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Energy Information Administration

# Short-Term Energy Outlook

**September 2005**

Hurricane Katrina (Figures 1 and 2)

The Gulf of Mexico coast region is a major oil and natural gas supply center for the United States with significant offshore oil and natural gas production, refining capacity, and petrochemical facilities, and serves as a major import hub and nexus for pipeline infrastructure. In the Gulf coast region, Federal offshore crude oil production accounts for 1.5 million barrels per day (29 percent of total U.S. production); crude oil refining capacity accounts for about 8.0 million barrels per day (47 percent of total U.S. production); and offshore natural gas production accounts for about 10 billion cubic feet per day (19 percent of total U.S. production). A significant portion of the Gulf coast's petroleum products—gasoline, diesel, and jet fuel—is shipped to Eastern U.S. markets through the Colonial and Plantation pipelines or transported to Midwest markets by pipeline or the Mississippi River.

Hurricane Katrina caused significant direct damage to offshore rigs, refineries, pipelines, and ports in the Gulf of Mexico, with wide-scale electricity outages and flooding exacerbating the already devastated infrastructure, compounded by the evacuation of thousands of employees. Katrina initially reduced oil supplies by an estimated 1.4 million barrels per day and natural gas supplies by an estimated 8.8 billion cubic feet per day (bcfd) due to shut-ins as well as direct damage. In addition, about 1.9 million barrels per day of crude oil refining capacity was shut down as Katrina approached. Following the storm a number of other refineries were forced to reduce operating rates because of disruptions to oil supply and product distribution systems and electricity outages.

Recovery has started and we are seeing daily improvements (see the Minerals Management Service (MMS) and the Department of Energy) with shut-in oil and natural gas production down to 58 and 42 percent, respectively, of pre-Katrina production levels as reported by the MMS on September 6, compared to initial losses of 95 and 88 percent. Electricity has been restored to most refineries, and major pipelines are resuming operations. Actions taken by the U.S. Government, including the loan of crude oil from the Strategic Petroleum Reserve (SPR), the offer of SPR oil for sale, the waiver of the Jones Act to facilitate shipments between U.S. ports, and the nationwide waiver on the requirements for summer gasoline and for low-sulfur diesel, should help alleviate pressure on markets and increase the flexibility of the distribution system. In addition, the International Energy Agency (IEA) directed its member nations to make an extra 2 million barrels of oil per day available to the market for the next 30 days, with half of this contribution to come from United States' SPR. A large portion of the oil from outside of the United States will be released in the form of refined products.

Because considerable uncertainty remains regarding the specific extent of Katrina's damage, it is difficult to provide a single forecast for the upcoming winter and subsequent months as we typically do in the monthly *Outlook*. More detailed damage assessments should be

forthcoming over the next several weeks, which should clarify our forecast. For this month's *Outlook*, EIA has established three basic scenarios to represent a range of plausible outcomes for oil and natural gas supply over the next several months and through 2006. The three scenarios are: Fast Recovery, which assumes a very favorable set of circumstances for getting supplies back to normal; Slow Recovery, which assumes that significant outages in oil and natural gas production and delivery from the Gulf area continue at least into November; and Medium Recovery, which assumes a path in between Slow and Fast Recovery. In all cases, return to normal operations, in terms of oil and natural gas production and distribution, is achieved or nearly achieved by December. By the end of September all but about 0.9 million barrels per day of crude oil refining capacity is expected to be back at full rates under the Medium Recovery case.

We assume the announcements regarding the waivers, and the loans and releases of crude oil and petroleum products have reduced concerns about the adequacy of oil supply in the near term. Consequently, in the Fast Recovery case, average monthly West Texas Intermediate (WTI) prices show no incremental impact due to Hurricane Katrina; the announcements counteract any upward price pressure. In the Medium and Slow Recovery cases, some incremental crude oil price pressure is assumed to remain for up to 3 months. Product prices for all three cases do reflect an impact from the hurricane. The table below provides a summary of the cases with selected outcomes for petroleum and natural gas prices. Unless otherwise noted, the price summary, table and figures in this edition of the *Outlook* reflect only the Medium Recovery case.

This *Outlook* focuses on the supply impacts associated with Hurricane Katrina. There are, of course, demand impacts such as reduced electricity and fuel demand related to destruction of or damage to residential and commercial buildings or industrial establishments in Louisiana, Mississippi, and Alabama. In addition, loss of electricity supply due to damaged or impeded electric generating facilities has reduced demand in fuel markets, particularly for natural gas. The hurricane also reduced demand by affected refineries, industrial plants, power generators, and residential/commercial customers. Estimates of the maximum reduction in natural gas demand are: 0.25 bcfd for the nine affected refineries, 0.7 bcfd by industrial plants, 0.3 to 0.4 bcfd by power generators, and perhaps 0.1 bcfd by residential/commercial consumers. Thus, Katrina-related natural gas demand reduction is, at most, estimated to be between 15 and 25 percent of the peak level of lost production, and, as service restoration proceeds, should become an increasingly minor factor.

**Recovery Scenarios Following Hurricane Katrina**

| Domestic Supply and Prices | Monthly 2005 | | | | | Annual | | |
|---|---|---|---|---|---|---|---|---|
| | Aug (Est) | Sep | Oct | Nov | Dec | 2004 | 2005 | 2006 |
| **Crude Oil Production (mmbd)** | | | | | | | | |
| Fast Recovery | 5.338 | 4.720 | 5.326 | 5.382 | 5.515 | 5.419 | 5.356 | 5.617 |
| Medium Recovery | 5.338 | 4.580 | 5.116 | 5.382 | 5.515 | 5.419 | 5.327 | 5.617 |
| Slow Recovery | 5.338 | 4.300 | 4.836 | 5.172 | 5.375 | 5.419 | 5.251 | 5.617 |
| **WTI Crude Oil Price ($/barrel)** | | | | | | | | |
| Fast Recovery | 64.90 | 66.80 | 66.45 | 68.00 | 66.50 | 41.44 | 58.33 | 63.46 |
| Medium Recovery | 64.90 | 69.60 | 68.55 | 68.35 | 66.50 | 41.44 | 58.77 | 63.46 |
| Slow Recovery | 64.90 | 72.05 | 70.48 | 69.58 | 67.20 | 41.44 | 59.30 | 63.46 |
| **Refinery Throughput (mmbd)** | | | | | | | | |
| Fast Recovery | 16.336 | 15.735 | 15.986 | 16.345 | 16.657 | 15.985 | 16.162 | 16.410 |
| Medium Recovery | 16.336 | 15.504 | 15.827 | 16.421 | 16.680 | 15.985 | 16.138 | 16.406 |
| Slow Recovery | 16.336 | 15.182 | 15.609 | 16.314 | 16.577 | 15.985 | 16.076 | 16.389 |
| **Regular Gasoline Retail Price (cents/gallon)** | | | | | | | | |
| Fast Recovery | 248.6 | 275.2 | 256.4 | 249.0 | 233.7 | 184.9 | 227.5 | 239.9 |
| Medium Recovery | 248.6 | 295.6 | 270.9 | 256.1 | 246.9 | 184.9 | 232.1 | 240.3 |
| Slow Recovery | 248.6 | 315.4 | 296.7 | 273.1 | 256.3 | 184.9 | 238.1 | 240.7 |
| **Dry Natural Gas Production (bcf/day)** | | | | | | | | |
| Fast Recovery | 51.78 | 46.14 | 50.82 | 52.22 | 52.98 | 51.71 | 51.20 | 52.82 |
| Medium Recovery | 51.78 | 45.31 | 49.60 | 52.32 | 53.10 | 51.71 | 51.05 | 52.82 |
| Slow Recovery | 51.78 | 43.65 | 48.06 | 51.35 | 52.70 | 51.71 | 50.67 | 52.81 |
| **Henry Hub Spot Price ($/mcf)** | | | | | | | | |
| Fast Recovery | 9.53 | 12.78 | 11.25 | 11.00 | 11.58 | 6.06 | 8.75 | 8.47 |
| Medium Recovery | 9.53 | 13.17 | 11.89 | 11.00 | 11.59 | 6.06 | 8.82 | 8.42 |
| Slow Recovery | 9.53 | 14.29 | 13.11 | 12.06 | 12.46 | 6.06 | 9.14 | 8.10 |

Notes: mmbd=million barrels per day; mcf=thousand cubic feet; bcf=billion cubic feet.

The reductions in average crude oil distillation feed rates for September (relative to what was expected prior to Katrina) range from 0.7 to 1.2 million barrels per day between the Fast Recovery and Slow Recovery cases. Recovery in the refining sector depends on how fast the affected refineries can return to normal operations and the capability of refineries outside the hurricane-stricken area to increase their rates to make up for the lost capacity. As the refining situation improves, the extraordinary increases in petroleum product price margins over crude oil are expected to subside, so that, in the Fast Recovery case, gasoline and distillate prices may be back to about normal (relative to crude oil prices) by the end of October.

Unfortunately, the hurricane season is not yet over and the severity and location of hurricanes over the next few months could continue to influence U.S. and world oil markets. September and October are typically the peak months for tropical storm activity. EIA continues to emphasize that with limited spare global crude oil production capacity and the U.S. oil production and refining industries only beginning to recover from Katrina, oil prices are likely to react sharply to any additional disruption of or damage to petroleum infrastructure. How much higher prices may go and how long additional spikes would remain due to a particular storm would ultimately be determined by the severity of the incremental damage to petroleum facilities.

## Crude Oil and Petroleum Products (Figures 3 to 6)

The WTI crude oil price averaged $65 per barrel in August. The September average is expected to be under $70 per barrel under the Medium Recovery case, about $67 in the Fast Recovery case and over $72 per barrel in the Slow Recovery case. The third-quarter average is approximately $20 per barrel above the year-ago level, and $5 per barrel higher than in the previous *Outlook*. Quarterly averages for the WTI price in all three cases are projected to remain above $62 per barrel for the rest of 2005 and 2006.

Continued high crude oil prices were expected prior to Hurricane Katrina. Worldwide petroleum demand growth is projected to remain strong during 2005 and 2006, although not as strong as in 2004. Annual average worldwide oil demand growth is expected to be about 1.7 million barrels per day in 2005 and 2006, a 2.1-percent annual average increase compared with 3.2 percent in 2004. Moreover, only tepid production growth in countries outside of the Organization of Petroleum Exporting Countries (OPEC) is expected. Non-OPEC supply is projected to increase by an annual average of 0.7 million barrels per day during 2005 and 2006, below the annual average growth rate in the period 2002 through 2004. In addition, worldwide spare production capacity is at its lowest level in three decades; in reality, only Saudi Arabia has any spare crude oil production capacity available. The Saudis would need to drastically reduce their heavy oil price in order to market it effectively. Lastly, the continued geo-political risks, such as the insurgency in Iraq and potential troubles in Nigeria and Venezuela, have boosted the level of uncertainty in world oil markets.

High levels of production from OPEC members contributed to inventory builds in the Organization for Economic Cooperation and Development (OECD) countries in the first half of 2005, with these stocks moving above the upper end of the 5-year historical range. However, OECD stocks have not grown as quickly in terms of days' supply (the number of days that inventories would satisfy demand) because demand has grown rapidly as well. EIA's forecast includes little additional growth in OECD commercial oil inventories over the next 2 years. In addition, some of these stocks may dissipate, depending upon the severity of damage from hurricane Katrina.

Average retail regular gasoline prices spiked sharply due to Katrina and are expected to average close to $3 per gallon for September in the Medium Recovery case. The average pump price for the third quarter 2005 is now expected to be about $2.57 per gallon, up $0.68 per gallon from the third quarter of last year. The average pump price for September 6 was $3.07 per gallon, up $0.46 per gallon from the previous week (a record weekly increase) and $1.22 per gallon compared to one year ago (also a record increase). However, improvements in the petroleum supply situation should result in substantial pump price decreases from current prices by the end of the year. In the Medium Recovery case, fourth quarter motor gasoline prices are expected to average $2.58 per gallon. Retail Gasoline prices are projected to average $2.32 in 2005 under the Medium Recovery case.

This month, retail diesel fuel prices are expected to hit their highest average monthly level ever, at over $2.71 per gallon. This price is also the highest diesel price in over 50 years, adjusted for inflation. Heating oil prices averaged $1.83 per gallon during the 2004-2005 heating season, which was a 34-percent increase from the winter of 2003-2004. Sharp increases are expected again for the 2005-2006 heating season. Average U.S. heating oil

prices rose by about 48 cents per gallon (34 percent) in the first half of 2005 over the same period in 2004, reflecting not only high crude oil prices, but also strong demand in the international market for distillate fuels. EIA projects that average heating oil prices will be about 31 percent higher this winter compared to the 2004-2005 winter under the Medium Recovery case. Under the Fast Recovery case, heating oil prices would be nearly 29 percent higher than last winter. However, under the Slow Recovery case, heating oil prices would be about 33 percent higher. Weather conditions also play an important role in heating oil prices and expenditures.

In the Medium Recovery case, total petroleum demand growth in the U.S. in 2005 is projected to average 100,000 barrels per day, or 0.5 percent. This growth is 60,000 barrels per day less than that projected in the previous *Outlook*, largely due to sharply higher prices. Average demand for the first half of 2005 was at about the same level as during the first half of 2004: rapidly rising prices constrained motor gasoline demand growth, weather factors depressed heating oil demand, and relative price factors lowered residual fuel oil and propane demand. Despite hurricane-related disruptions, fourth quarter demand is projected to increase by about 330,000 barrels per day, or 1.6 percent. A faster recovery would boost fourth-quarter demand by 15,000 barrels per day; a slower recovery would reduce demand growth by a similar amount.

Oil demand growth in 2006 is expected to average 330,000 barrels per day, or 1.6 percent. But 2006 average demand, at 21.16 million barrels per day, is 100,000 barrels per day (0.5 percent) less than that projected in the previous *Outlook* as a result of the substantial upward shift in energy price paths.

## Natural Gas (Figures 7 to 8)

The Henry Hub natural gas spot price is expected to average $8.82 per thousand cubic feet (mcf) in 2005 and $8.42 per mcf in 2006 in the Medium Recovery case. Depending on the speed of recovery from the supply losses in the Gulf of Mexico due to Katrina, the average price across the recovery cases for the fourth quarter of 2005 ranges from $11 to $13 per mcf. On an annual basis, the range is around $8.75 per mcf to $9.14 per mcf in 2005. In August, the Henry Hub natural gas spot price averaged over $9 per mcf, as hot weather in the East and Southwest increased natural gas-fired electricity generation for cooling demand and crude oil prices increased. The natural gas market is likely to stay tight over the next couple of months, particularly in light of the supply impacts from Katrina. Spot prices are expected to ease going into 2006 as the effects of Katrina fade. However, prices at the Henry Hub are likely to remain above $10 per mcf until peak winter demand is over.

Depending on the region of the country, increases for 2005 natural gas spot prices are expected to range between 37 and 50 percent above the 2004 averages under the Medium Recovery case. Citygate prices (prices that natural gas utilities pay at the point where they take delivery) and end-use prices (prices charged by utilities for natural gas delivered to end-use customers, including distribution or other charges not included in the utilities' natural gas costs) are expected to exhibit double-digit percent increases for the second year in a row in most regions. For the upcoming winter, pressure on delivered natural gas prices may be sharpest in regions where heating demands are likely to increase the most, such as in the central portion of the United States.

Working gas in storage was estimated at 2,633 billion cubic feet (bcf) as of August 26, a level 1.9 percent lower than 1 year ago but still 5.2 percent above the 5-year average. Natural gas demand is projected to fall slightly by 0.7 percent in 2005, but recover by 2.4 percent in 2006 due to an assumed return to normal weather and continued strength in consumption for electric power production. Natural gas storage remains above the 5-year average, but Katrina is likely to reduce the peak storage achievable over the remainder of the injection season from what was expected previously. As it is, end-August storage was about 120 bcf below last month's projection. Expected storage at the end of October is expected to be about 270 bcf below the year-ago level and about 50 bcf below the 5-year average.

Domestic natural gas production in 2005 is expected to drop by 1.5 percent due mainly to the major disruptions to infrastructure in the Gulf of Mexico from both Ivan and Katrina. Preliminary EIA data through June yield an apparent decrease in output of 1.5 percent for the first half of 2005 compared to the same period in 2004, as recovery from the disruption caused by Hurricane Ivan in 2004 was not yet complete. Meanwhile, imports of liquefied natural gas (LNG) into the United States appear to have exhibited minimal year-over-year increases (on average) through the first half of 2005. Currently, total LNG imports for 2005 are expected to be approximately 710 bcf compared to 650 bcf in 2004.

## Electricity and Coal Outlook (Figures 9 to 11)

Electricity demand is expected to increase by 2.5 percent in 2005 and 1.9 percent in 2006 due largely to weather conditions as well as continuing economic growth. Very hot weather conditions generated a large increase in demand in the third quarter of 2005. Thus, third and fourth quarter 2005 year-over-year electricity demand growth rates are expected to be particularly strong, as cooling and heating demands are likely to be higher than in the mild third and fourth quarters of 2004. Seven out of the ten regions are expected to show substantial increases in residential demand for electricity in 2005 compared with 2004. Hydroelectric power availability, which fell somewhat in 2004, is expected to increase by 3 percent in 2005 nationally, and by 10 percent in 2006.

The Department of Energy's Office of Energy Assurance reports that, as of September 6, less than 1 million customers remain without electric power due to Hurricane Katrina in Alabama, Louisiana, and Mississippi. This is down from a peak of 2.7 million. Inaccessibility, as well as extensive damage from flooding and saltwater, continues to be a major issue impacting electricity restoration.

Coal demand in the electric power sector is expected to increase by 3.1 percent in 2005 and 0.4 percent in 2006. Power sector demand for coal continues to increase, as oil and natural gas prices continue to rise. U.S. coal production is expected to grow by 1.9 percent in 2005 and by an additional 2.0 percent in 2006.

## Energy Expenditures: Summer Recap/Winter Preview (Figure 12)

Dramatic increases in domestic energy costs, assisted by everything from tight world oil markets, to blistering summer heat, to the ravages of Hurricane Katrina, have made for an exasperating summer for many consumers and have set the stage for a potentially expensive winter heating season beginning a month or two from now. Taking into account current data

and projections from this *Outlook*, aggregate domestic expenditures for key energy sources for the summer (April through September) are expected to show the following changes from 2004: petroleum: +35 percent; natural gas: +20 percent; coal: +21 percent. Summer expenditures by all consumers on electricity are expected to be up 5 percent for that period. The current outlook for the upcoming winter (October 2005 through March 2006) yields expectations for energy expenditures as follows: petroleum: +34 percent; natural gas: +52 percent; coal: +16 percent. Electricity expenditures for the winter are expected to be up 11 percent. For all of 2005, energy expenditures in the United States are expected to be $1.08 trillion, approximately 24 percent above the 2004 level. This level of expenditures represents approximately 8.7 percent of annual gross domestic product, compared to 6.2 percent as recently as 2002, and is the highest percentage since 1985 (10.4 percent).

With the full impact on near-term domestic oil and natural gas supply of Hurricane Katrina still being assessed, the fuel price outlook for the upcoming winter remains particularly uncertain for now. Assuming that the Medium Recovery case holds, the general expectation for increases in residential per-household expenditures for fuels this winter generally shapes up as follows: +71 percent for natural gas in the Midwest; + 17 percent for electricity in the South; + 31 percent for heating oil in the Northeast; and +40 percent for propane in the Midwest relative to last winter. Expenditure increases for natural gas are expected to be particularly strong in the East North Central region (Ohio, Indiana, Illinois, Michigan and Wisconsin) because of expected higher heating-related demand in comparison to the relatively mild conditions seen last year.

These estimates are somewhat sensitive to the speed of recovery from Katrina due to different expectations about consumer prices between the Fast Recovery case and the Slow Recovery case. The ranges for expected heating fuel expenditure increases this winter are 69 percent to 77 percent for natural gas in the Midwest; 17 percent to 18 percent for electricity in the South; 29 percent to 33 percent for heating oil in the Northeast; and 39 percent to 43 percent for propane in the Midwest. Weather conditions that differ from current expectations would have a further significant impact on projected expenditures.

Figure 1. Oil and Natural Gas Production Cases After Katrina

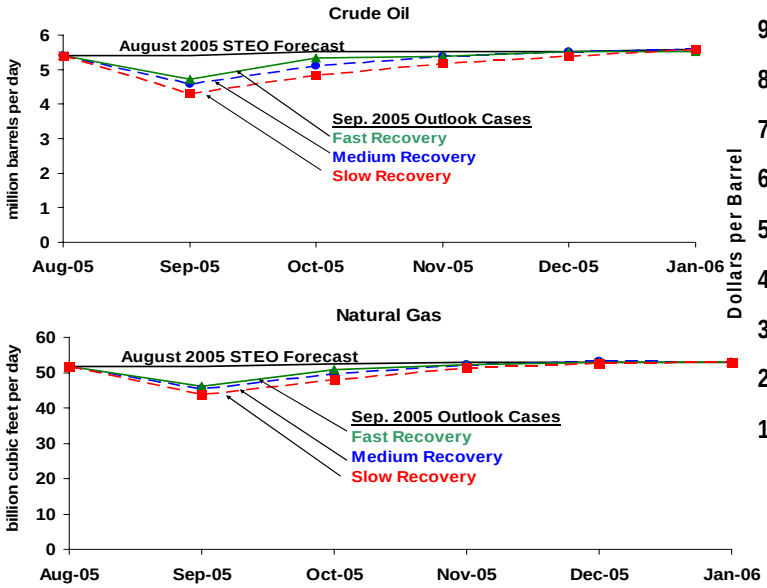



Figure 2. West Texas Intermediate Crude Oil Price (Medium Recovery and Side Cases)

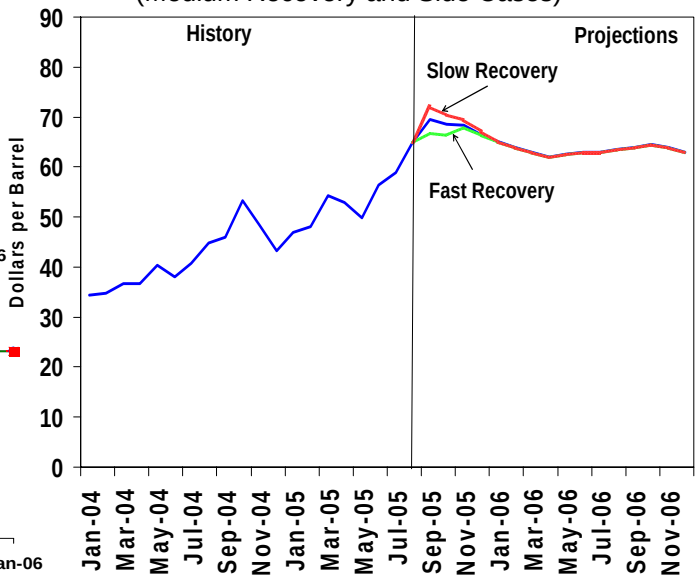
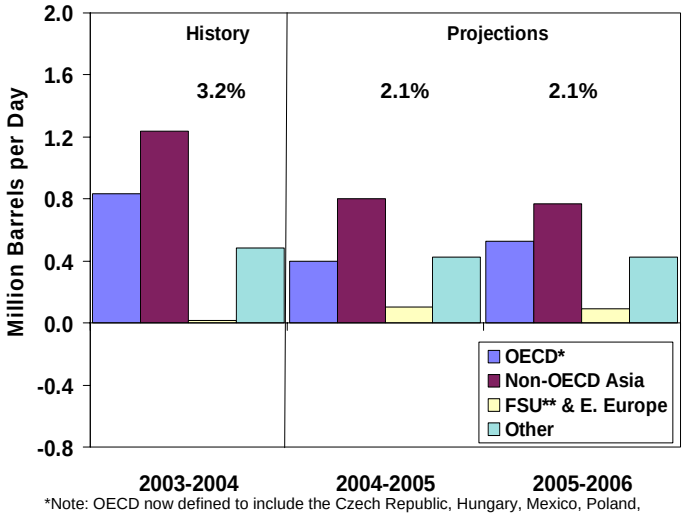



Figure 3. World Oil Demand Growth (Change from Year Ago)




*Note: OECD now defined to include the Czech Republic, Hungary, Mexico, Poland, Slovakia and South Korea in EIA's statistics.

** FSU = Former Soviet Union.

Figure 4. World Oil Spare Production Capacity

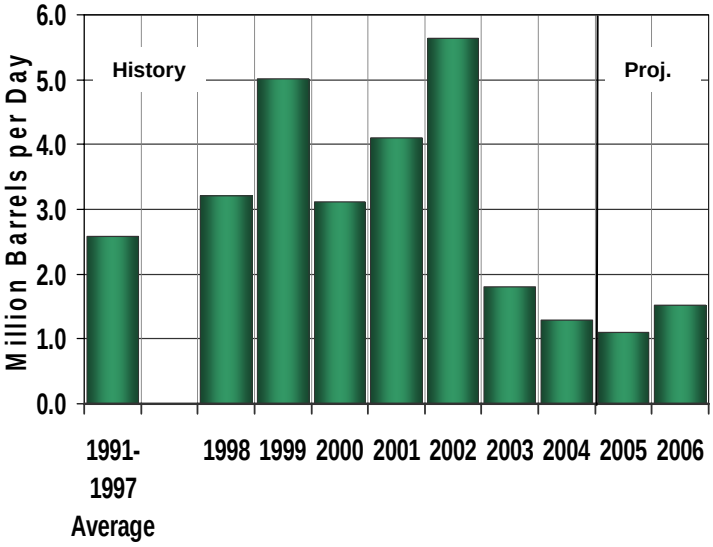



Figure 5. Days of Supply of OECD Commercial Oil Stocks

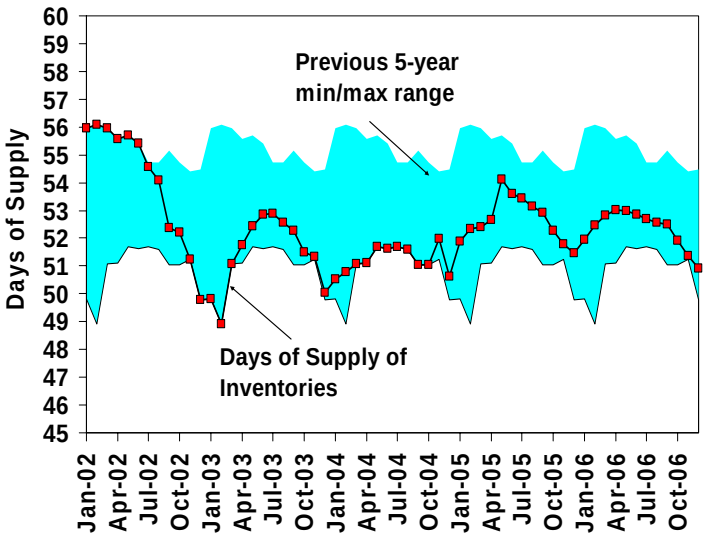



Figure 6. Gasoline Prices and Crude Oil Costs

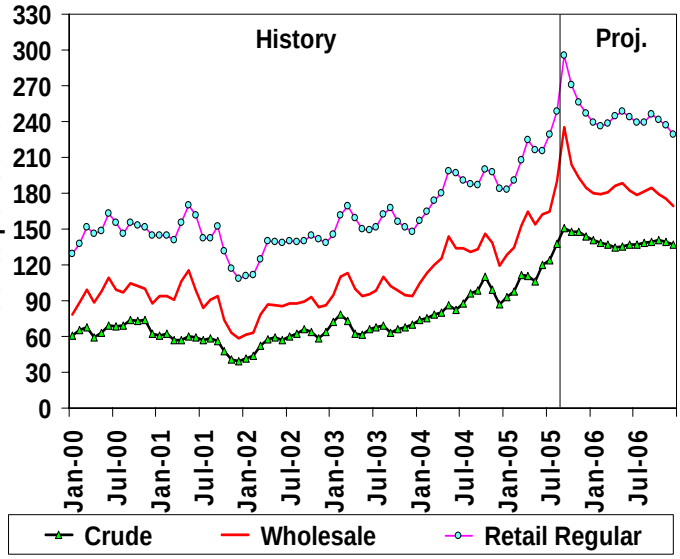


Figure 7. U.S. Distillate Fuel Prices

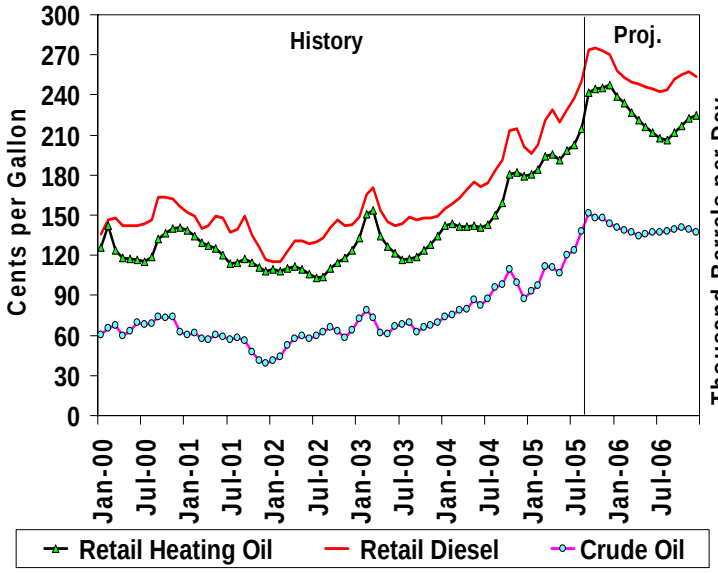



Figure 8. U.S. Petroleum Products Demand Growth
(Change from Year Ago)

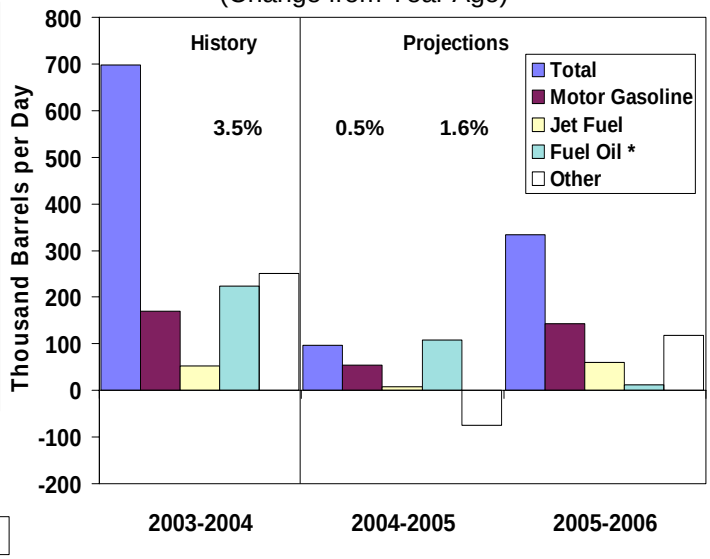



Figure 9. U.S. Natural Gas Spot Prices
(Medium Recovery and Side Cases)

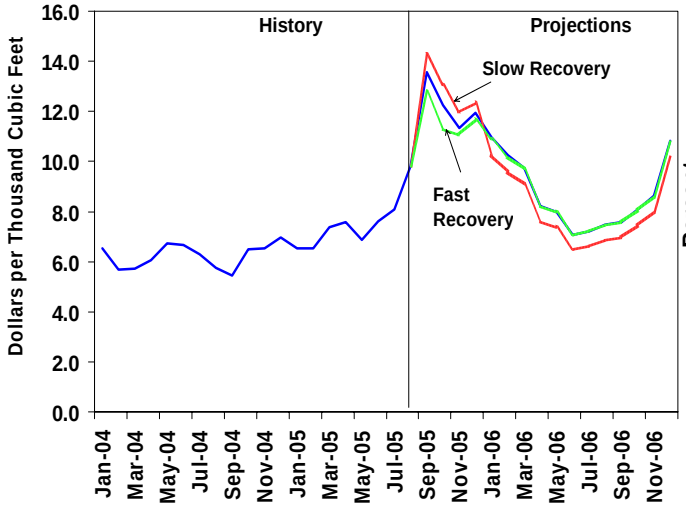



Figure 10. U.S. Working Natural Gas in Storage
(Percent Difference from Previous 5-Year Average)

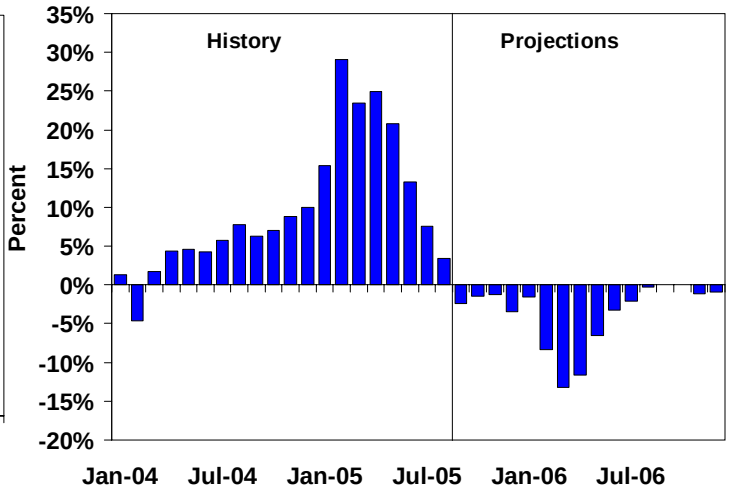



Figure 11 Total U.S. Electricity Demand Growth Patterns

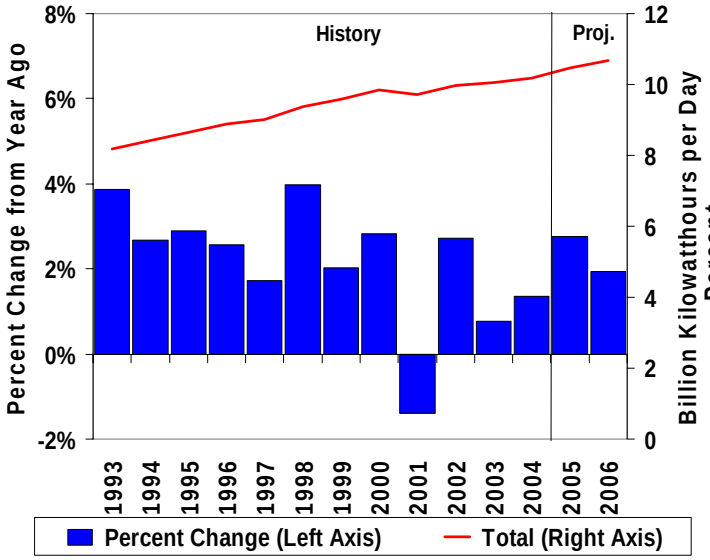



Figure 12. U.S. Coal Demand
(Percent Change from Year Ago)

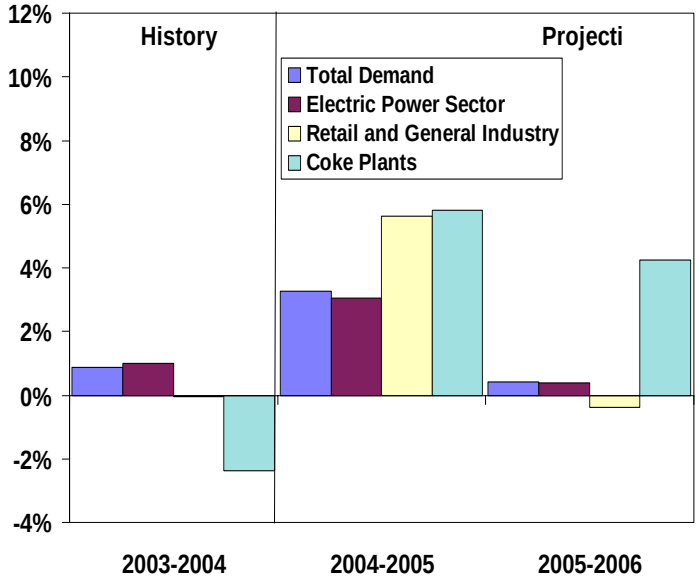


Figure 13. U.S. Coal Production

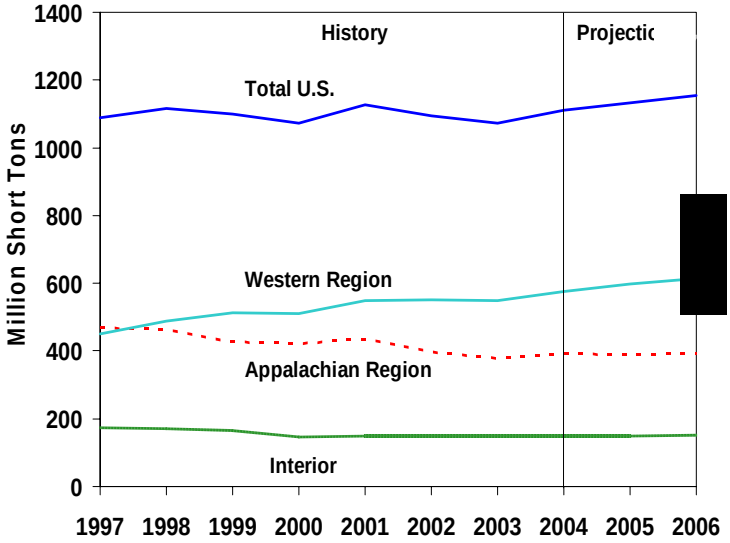
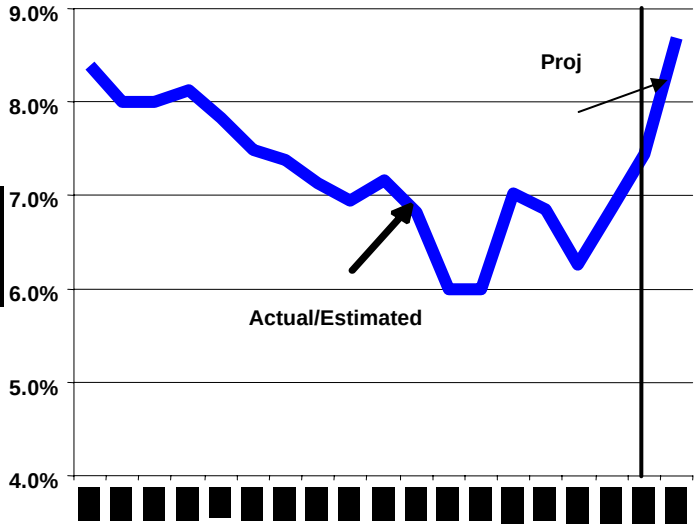



Figure 14. U.S. Annual Energy Expenditures as a Percent GDP*




* Gross domestic product.

Figure 15. U.S. Gasoline Inventories

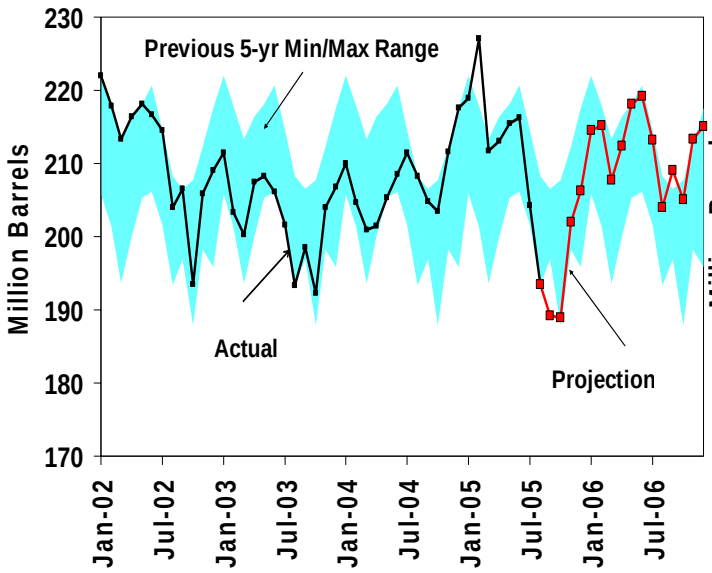



Figure 16. U.S. Crude Oil Stocks

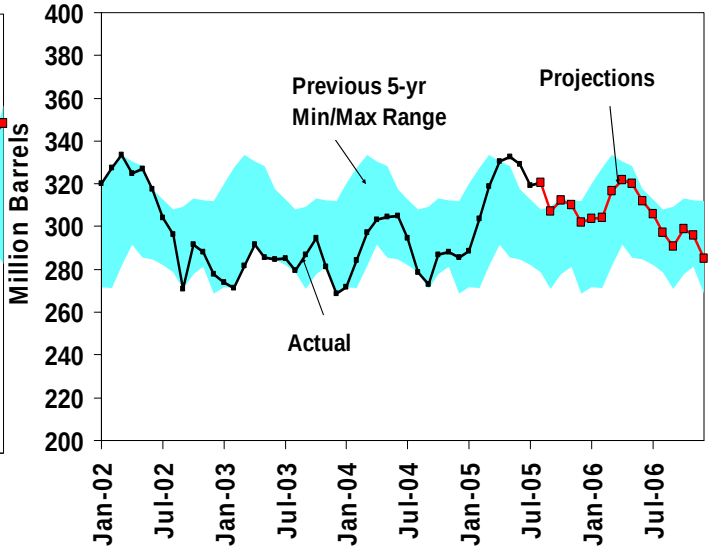



Figure 17. U.S. Distillate Stocks

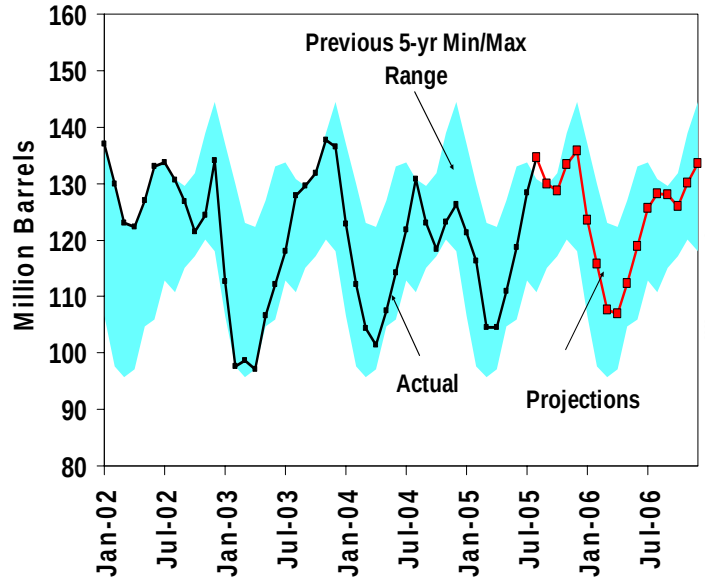



Figure 18. U.S. Crude Oil Production Trends

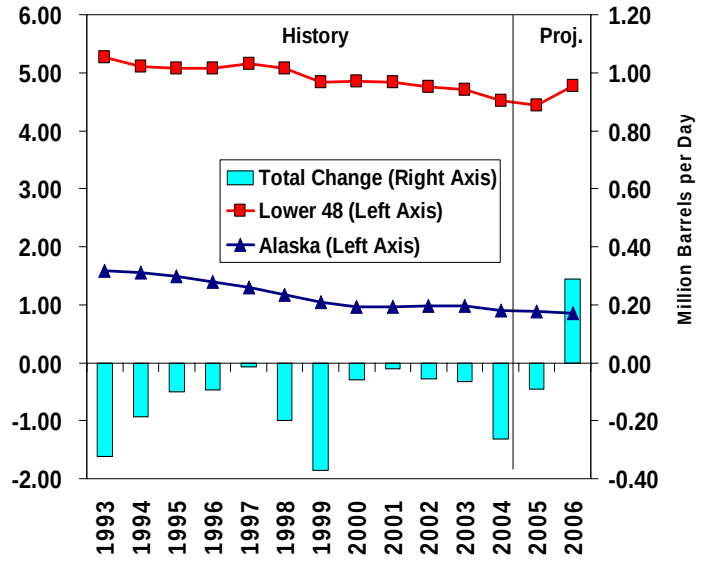


Figure 19. Total U.S. Natural Gas Demand Growth Patterns

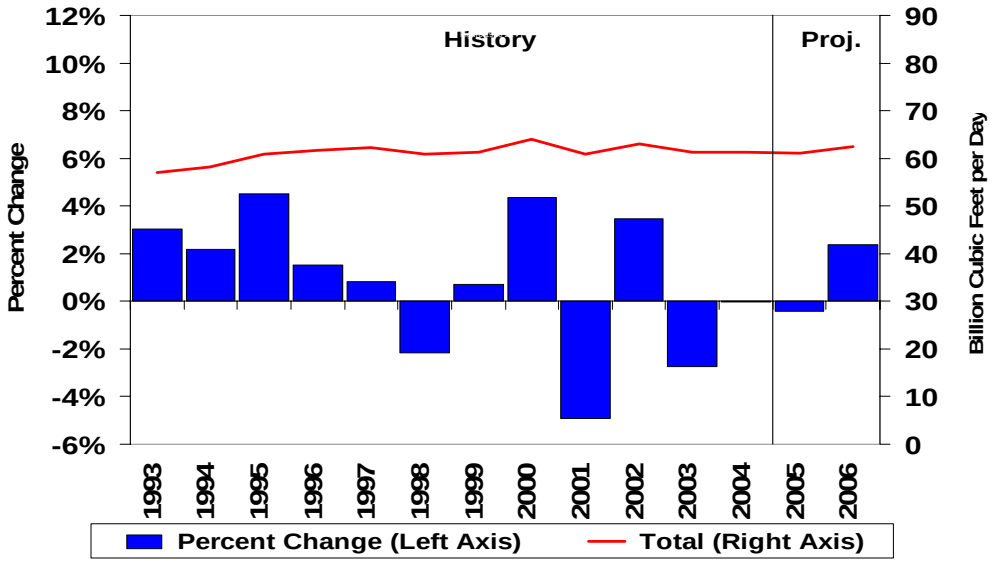



Figure 20. U.S. Natural Gas-Directed Drilling Activity

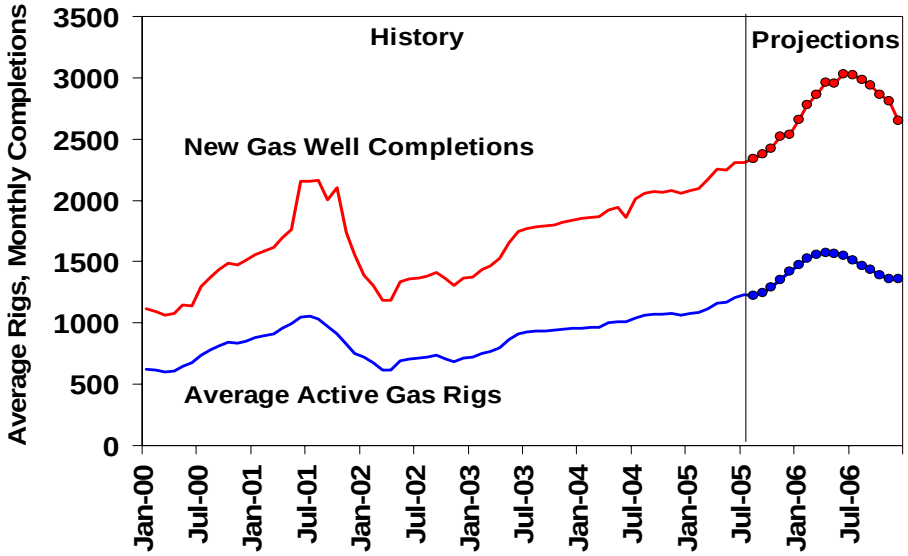
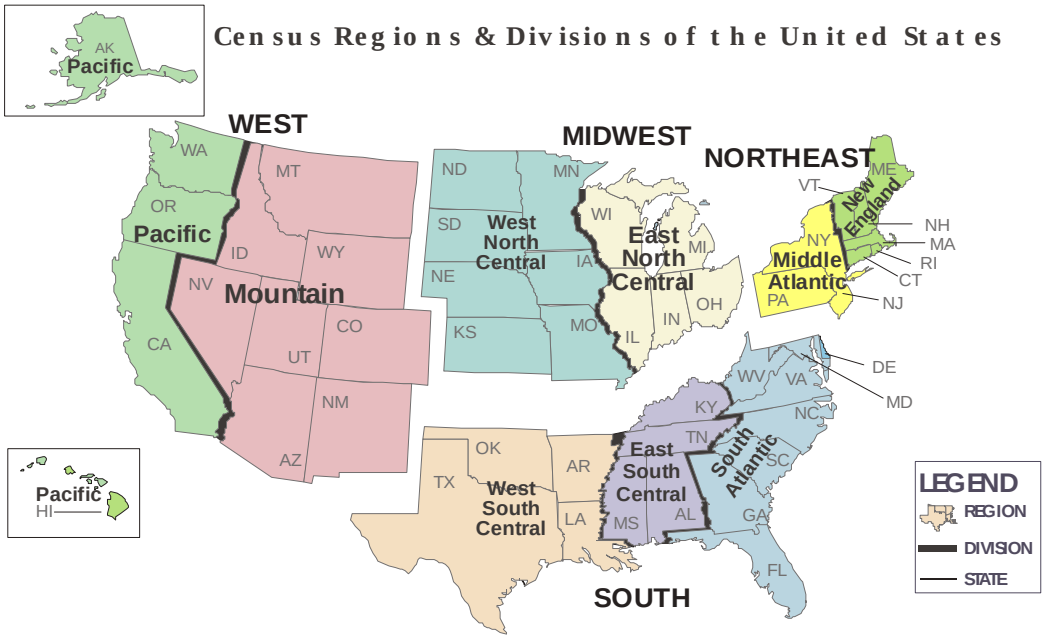



Figure 21. U.S. Census Region and Census Division Definition



# Table HL1. U.S. Energy Supply and Demand: Medium Recovery Case

| | Year | | | | Annual Percentage Change | | |
|---|---|---|---|---|---|---|---|
| | 2003 | 2004 | 2005 | 2006 | 2003-2004 | 2004-2005 | 2005-2006 |
| **Real Gross Domestic Product (GDP)** | | | | | | | |
| (billion chained 2000 dollars) | **10321** | **10756** | *11147* | *11494* | **4.2** | *3.6* | *3.1* |
| Imported Crude Oil Price [a] | | | | | | | |
| (nominal dollars per barrel) | **27.73** | **35.99** | *50.98* | *56.39* | **29.8** | *41.6* | *10.6* |
| Crude Oil Production [b] (million barrels per day) | **5.68** | **5.42** | *5.33* | *5.62* | **-4.6** | *-1.7* | *5.4* |
| Total Petroleum Net Imports (million barrels per day) | | | | | | | |
| (including SPR) | **11.24** | **12.10** | *12.16* | *12.12* | **7.6** | *0.5* | *-0.4* |
| **Energy Demand** | | | | | | | |
| World Petroleum | | | | | | | |
| (million barrels per day) | **79.9** | **82.5** | *84.2* | *86.0* | **3.2** | *2.1* | *2.1* |
| Petroleum | | | | | | | |
| (million barrels per day) | **20.03** | **20.73** | *20.83* | *21.16* | **3.5** | *0.5* | *1.6* |
| Natural Gas | | | | | | | |
| (trillion cubic feet) | **22.38** | **22.43** | *22.28* | *22.81* | **0.3** | *-0.7* | *2.4* |
| Coal [c] | | | | | | | |
| (million short tons) | **1095** | **1104** | *1140* | *1145* | **0.9** | *3.3* | *0.4* |
| Electricity (billion kilowatthours) | | | | | | | |
| Retail Sales [d] | **3488** | **3551** | *3641* | *3714* | **1.8** | *2.6* | *2.0* |
| Other Use/Sales [e] | **179** | **176** | *178* | *180* | **-1.4** | *1.2* | *0.6* |
| Total | **3667** | **3727** | *3820* | *3893* | **1.6** | *2.5* | *1.9* |
| Total Energy Demand [f] | | | | | | | |
| (quadrillion Btu) | **98.2** | **99.7** | *100.3* | *101.8* | **1.5** | *0.6* | *1.5* |
| Total Energy Demand per Dollar of GDP | | | | | | | |
| (thousand Btu per 2000 Dollar) | **9.51** | **9.27** | *9.00* | *8.86* | **-2.6** | *-2.9* | *-1.6* |
| Renewable Energy as Percent of Total [g] | **6.3%** | **6.3%** | *6.2%* | *6.2%* | | | |

[a] Refers to the refiner acquisition cost (RAC) of imported crude oil.
[b] Includes lease condensate.
[c] Total Demand includes estimated Independent Power Producer (IPP) coal consumption.
[d] Total of retail electricity sales by electric utilities and power marketers. Utility sales for historical periods are reported in Energy Information Administration (EIA) *Electric Power Monthly* and *Electric Power Annual*. Power marketers' sales for historical periods are reported in EIA's *Electric Sales and Revenue*, Appendix C. Data for 2003 are estimates.
[e] Defined as the sum of facility use of onsite net electricity generation plus direct sales of power by industrial- or commercial-sector generators to third parties, reported annually in Table 7.5 of the *Monthly Energy Review* (*MER*). Data for 2004 are estimates.
[f] The conversion from physical units to Btu is calculated by using a subset of conversion factors used in the calculations performed for gross energy consumption in EIA's *MER*. Consequently, the historical data may not precisely match those published in the *MER* or the *Annual Energy Review (AER*).
[g] Renewable energy includes minor components of non-marketed renewable energy, which is renewable energy that is neither bought nor sold, either directly or indirectly, as inputs to marketed energy. EIA does not estimate or project total consumption of non-marketed renewable energy.
SPR: Strategic Petroleum Reserve.
Notes: Minor discrepancies with other published EIA historical data are due to independent rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.
Sources: Historical data: Latest data available from Bureau of Economic Analysis and Energy Information Administration; latest data available from EIA databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109; *Petroleum Supply Annual*, DOE/EIA-0340/2; *Natural Gas Monthly*, DOE/EIA-0130; *Electric Power Monthly*, DOE/EIA-0226; and *Quarterly Coal Report*, DOE/EIA-0121; *International Petroleum Monthly* DOE/EIA-0520; *Weekly Petroleum Status Report*, DOE/EIA-0208. Macroeconomic projections are based on Global Insight Model of the US Economy, August 2005.

# Table 1. U.S. Macroeconomic and Weather Assumptions: Medium Recovery Case

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2004 | 2005 | 2006 |
| **Macroeconomic** [a] | | | | | | | | | | | | | | | |
| Real Gross Domestic Product (billion chained 2000 dollars - SAAR) | **10613** | **10704** | **10809** | *10897* | *10999* | *11092* | *11205* | *11290* | *11381* | *11459* | *11528* | *11608* | *10756* | *11147* | *11494* |
| Percentage Change from Prior Year | **4.7** | **4.6** | **3.8** | *3.8* | *3.6* | *3.6* | *3.7* | *3.6* | *3.5* | *3.3* | *2.9* | *2.8* | *4.2* | *3.6* | *3.1* |
| Annualized Percent Change from Prior Quarter | **4.3** | **3.5** | **4.0** | *3.3* | *3.8* | *3.4* | *4.1* | *3.1* | *3.2* | *2.8* | *2.4* | *2.8* | | | |
| GDP Implicit Price Deflator (Index, 2000=100) | **108.0** | **109.0** | **109.4** | *110.1* | *111.0* | *111.6* | *112.2* | *112.8* | *113.3* | *113.8* | *114.2* | *114.8* | *109.1* | *111.9* | *114.0* |
| Percentage Change from Prior Year | **2.1** | **2.8** | **2.7** | *2.9* | *2.8* | *2.4* | *2.6* | *2.4* | *2.1* | *2.0* | *1.8* | *1.8* | *2.6* | *2.6* | *1.9* |
| Real Disposable Personal Income (billion chained 2000 Dollars - SAAR) | **7915** | **7939** | **7993** | *8169* | *8110* | *8138* | *8192* | *8248* | *8378* | *8458* | *8527* | *8575* | *8004* | *8172* | *8485* |
| Percentage Change from Prior Year | **4.1** | **3.2** | **2.1** | *4.1* | *2.5* | *2.5* | *2.5* | *1.0* | *3.3* | *3.9* | *4.1* | *4.0* | *3.4* | *2.1* | *3.8* |
| Manufacturing Production (Index, 1997=100.0) | **115.9** | **117.6** | **118.8** | *120.2* | *121.2* | *121.6* | *123.0* | *124.4* | *125.3* | *126.0* | *126.4* | *127.0* | *118.1* | *122.5* | *126.2* |
| Percentage Change from Prior Year | **3.2** | **5.6** | **5.5** | *5.1* | *4.6* | *3.4* | *3.5* | *3.5* | *3.3* | *3.6* | *2.8* | *2.1* | *4.8* | *3.7* | *3.0* |
| OECD Economic Growth (percent) [b] | | | | | | | | | | | | | *3.1* | *2.4* | *1.9* |
| **Weather** [c] | | | | | | | | | | | | | | | |
| Heating Degree-Days | | | | | | | | | | | | | | | |
| U.S. | **2229** | **447** | **73** | *1540* | *2141* | *497* | *85* | *1624* | *2258* | *536* | *107* | *1620* | *4289* | *4347* | *4521* |
| New England | **3396** | **840** | **130** | *2244* | *3319* | *962* | *168* | *2275* | *3271* | *930* | *195* | *2265* | *6609* | *6724* | *6661* |
| Middle Atlantic | **3100** | **603** | **70** | *1976* | *3052* | *711* | *103* | *2044* | *3000* | *743* | *125* | *2042* | *5749* | *5910* | *5910* |
| U.S. Gas-Weighted | **2397** | **495** | **83** | *1668* | *2328* | *545* | *97* | *1745* | *2409* | *592* | *122* | *1739* | *4641* | *4715* | *4862* |
| Cooling Degree-Days (U.S.) | **40** | **373** | **723** | *89* | *30* | *380* | *871* | *77* | *33* | *350* | *779* | *79* | *1225* | *1358* | *1241* |

[a] Macroeconomic projections from Global Insight model forecasts are seasonally adjusted at annual rates and modified as appropriate to the base world oil price case.

[b] OECD: Organization for Economic Cooperation and Development: Australia, Austria, Belgium, Canada, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Poland, Portugal, South Korea, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States.

[c] Population-weighted degree-days. A degree-day indicates the temperature variation from 65 degrees Fahrenheit (calculated as the simple average of the daily minimum and maximum temperatures) weighted by 2000 population.

SAAR: Seasonally-adjusted annualized rate.

Note: Minor discrepancies with other published EIA historical data are due to independent rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: latest data available from: U.S. Department of Commerce, Bureau of Economic Analysis; U.S. Department of Commerce, National Oceanic and Atmospheric Administration; Federal Reserve System, Statistical Release G.17. Projections of OECD growth are based on Global Insight, "World Economic Outlook," Volume 1. Macroeconomic projections are based on Global Insight Model of US Economy, August 2005.

# Table 1a. U.S. Regional[a] Macroeconomic Data: Medium Recovery Case

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | 2004 | 2005 | 2006 |
| **Real Gross State Product (Billion $2000)** | | | | | | | | | | | | | | | |
| New England | 587.8 | 595.6 | 601.8 | 607.8 | 612.8 | 618.5 | 624.5 | 629.4 | 633.9 | 639.0 | 643.8 | 647.9 | 598.2 | 621.3 | 641.2 |
| Mid Atlantic | 1612.5 | 1631.5 | 1646.9 | 1660.3 | 1670.8 | 1683.6 | 1697.1 | 1707.8 | 1717.5 | 1728.6 | 1738.8 | 1747.3 | 1637.8 | 1689.9 | 1733.0 |
| E. N. Central | 1623.7 | 1643.6 | 1659.2 | 1672.3 | 1683.1 | 1696.9 | 1711.2 | 1722.6 | 1732.8 | 1744.2 | 1754.8 | 1763.9 | 1649.7 | 1703.5 | 1748.9 |
| W. N. Central | 692.6 | 701.1 | 708.8 | 716.1 | 721.7 | 728.4 | 735.4 | 741.2 | 746.3 | 751.9 | 757.2 | 761.7 | 704.6 | 731.7 | 754.3 |
| S. Atlantic | 1890.9 | 1915.1 | 1930.6 | 1949.3 | 1967.7 | 1988.0 | 2009.9 | 2028.3 | 2045.0 | 2062.9 | 2079.7 | 2094.5 | 1921.5 | 1998.5 | 2070.5 |
| E. S. Central | 515.5 | 521.5 | 525.4 | 529.6 | 532.9 | 536.6 | 541.3 | 545.2 | 548.5 | 552.5 | 556.0 | 558.7 | 523.0 | 539.0 | 553.9 |
| W. S. Central | 1111.7 | 1125.9 | 1137.6 | 1148.6 | 1158.2 | 1169.6 | 1181.6 | 1191.5 | 1200.6 | 1210.6 | 1220.0 | 1228.2 | 1130.9 | 1175.2 | 1214.8 |
| Mountain | 647.3 | 656.4 | 661.3 | 666.9 | 673.5 | 680.6 | 687.8 | 693.8 | 699.5 | 705.7 | 711.6 | 716.8 | 658.0 | 683.9 | 708.4 |
| Pacific | 1696.7 | 1721.3 | 1740.5 | 1757.2 | 1770.9 | 1787.0 | 1803.7 | 1817.6 | 1830.5 | 1844.8 | 1858.5 | 1870.7 | 1728.9 | 1794.8 | 1851.1 |
| Total | 10379 | 10512 | 10612 | 10708 | 10792 | 10889 | 10993 | 11077 | 11155 | 11240 | 11320 | 11390 | 10553 | 10938 | 11276 |
| **Industrial Output, Manufacturing (Index, Year 1997=100)** | | | | | | | | | | | | | | | |
| New England | 109.4 | 110.6 | 112.1 | 113.1 | 114.5 | 115.6 | 116.3 | 117.3 | 118.4 | 119.1 | 119.3 | 119.8 | 111.3 | 115.9 | 119.1 |
| Mid Atlantic | 110.3 | 111.0 | 111.5 | 112.0 | 113.1 | 114.0 | 114.8 | 115.9 | 117.0 | 117.8 | 118.1 | 118.5 | 111.2 | 114.5 | 117.8 |
| E. N. Central | 115.8 | 117.3 | 118.2 | 119.1 | 120.3 | 121.5 | 122.6 | 124.0 | 125.4 | 126.3 | 126.7 | 127.1 | 117.6 | 122.1 | 126.4 |
| W. N. Central | 123.1 | 125.4 | 127.0 | 128.2 | 129.9 | 131.3 | 132.5 | 133.9 | 135.4 | 136.5 | 137.0 | 137.6 | 125.9 | 131.9 | 136.6 |
| S. Atlantic | 111.5 | 112.8 | 113.4 | 113.8 | 114.9 | 115.7 | 116.3 | 117.1 | 118.0 | 118.6 | 118.7 | 118.9 | 112.9 | 116.0 | 118.6 |
| E. S. Central | 116.0 | 117.2 | 117.9 | 119.1 | 120.6 | 121.5 | 122.3 | 123.3 | 124.2 | 124.9 | 125.1 | 125.4 | 117.5 | 121.9 | 124.9 |
| W. S. Central | 119.0 | 120.4 | 121.2 | 121.6 | 122.8 | 123.8 | 124.7 | 125.8 | 127.0 | 127.8 | 128.0 | 128.4 | 120.5 | 124.3 | 127.8 |
| Mountain | 122.3 | 124.5 | 125.4 | 126.8 | 128.8 | 130.0 | 130.9 | 132.1 | 133.3 | 134.1 | 134.5 | 135.1 | 124.7 | 130.5 | 134.3 |
| Pacific | 116.4 | 117.9 | 119.2 | 120.3 | 122.1 | 123.5 | 124.5 | 125.7 | 127.1 | 127.9 | 128.4 | 129.0 | 118.5 | 123.9 | 128.1 |
| Total | 116.0 | 117.4 | 118.4 | 119.3 | 120.8 | 121.9 | 122.8 | 123.9 | 125.1 | 125.9 | 126.2 | 126.7 | 117.8 | 122.3 | 126.0 |
| **Real Personal Income (Billion $2000)** | | | | | | | | | | | | | | | |
| New England | 549.3 | 554.7 | 557.8 | 562.2 | 579.4 | 587.2 | 593.0 | 595.4 | 613.8 | 623.4 | 628.8 | 629.7 | 556.0 | 588.8 | 623.9 |
| Mid Atlantic | 1454.0 | 1483.6 | 1506.9 | 1525.9 | 1560.4 | 1584.5 | 1604.0 | 1619.2 | 1657.7 | 1686.5 | 1705.4 | 1716.9 | 1492.6 | 1592.0 | 1691.6 |
| E. N. Central | 1419.4 | 1439.4 | 1455.4 | 1477.5 | 1509.9 | 1533.4 | 1547.2 | 1562.5 | 1597.9 | 1626.0 | 1638.9 | 1650.6 | 1447.9 | 1538.3 | 1628.3 |
| W. N. Central | 601.5 | 612.8 | 623.6 | 634.0 | 641.4 | 653.5 | 663.6 | 671.9 | 680.5 | 694.5 | 704.5 | 711.3 | 618.0 | 657.6 | 697.7 |
| S. Atlantic | 1664.8 | 1692.7 | 1720.3 | 1752.9 | 1780.8 | 1807.5 | 1830.7 | 1856.8 | 1887.2 | 1919.4 | 1941.6 | 1963.7 | 1707.7 | 1818.9 | 1928.0 |
| E. S. Central | 454.8 | 465.4 | 473.2 | 483.2 | 486.9 | 494.0 | 500.6 | 509.9 | 514.1 | 522.7 | 529.1 | 537.4 | 469.1 | 497.8 | 525.8 |
| W. S. Central | 924.9 | 941.8 | 953.2 | 967.7 | 983.4 | 999.3 | 1012.3 | 1024.0 | 1041.0 | 1060.0 | 1072.7 | 1082.2 | 946.9 | 1004.7 | 1064.0 |
| Mountain | 549.7 | 556.0 | 562.6 | 576.4 | 577.9 | 585.4 | 596.5 | 610.2 | 611.8 | 621.1 | 632.2 | 645.0 | 561.2 | 592.5 | 627.5 |
| Pacific | 1557.5 | 1583.3 | 1613.4 | 1641.2 | 1654.5 | 1680.7 | 1712.9 | 1736.0 | 1751.8 | 1783.2 | 1815.4 | 1834.8 | 1598.8 | 1696.0 | 1796.3 |
| Total | 9176 | 9330 | 9466 | 9621 | 9775 | 9925 | 10061 | 10186 | 10356 | 10537 | 10668 | 10772 | 9398 | 9987 | 10583 |
| **Households, Millions** | | | | | | | | | | | | | | | |
| New England | 5.6 | 5.6 | 5.6 | 5.6 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.6 | 5.7 | 5.7 |
| Mid Atlantic | 15.3 | 15.4 | 15.4 | 15.4 | 15.4 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.6 | 15.6 | 15.4 | 15.5 | 15.6 |
| E. N. Central | 17.8 | 17.8 | 17.9 | 17.9 | 17.9 | 18.0 | 18.0 | 18.0 | 18.1 | 18.1 | 18.2 | 18.2 | 17.8 | 18.0 | 18.1 |
| W. N. Central | 7.8 | 7.8 | 7.8 | 7.8 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 8.0 | 8.0 | 8.0 | 7.8 | 7.9 | 8.0 |
| S. Atlantic | 21.4 | 21.5 | 21.6 | 21.7 | 21.8 | 21.8 | 21.9 | 22.0 | 22.1 | 22.2 | 22.3 | 22.4 | 21.5 | 21.9 | 22.2 |
| E. S. Central | 6.9 | 6.9 | 6.9 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.1 | 7.1 | 7.1 | 6.9 | 7.0 | 7.1 |
| W. S. Central | 12.1 | 12.2 | 12.2 | 12.3 | 12.3 | 12.4 | 12.4 | 12.5 | 12.5 | 12.6 | 12.6 | 12.7 | 12.2 | 12.4 | 12.6 |
| Mountain | 7.3 | 7.3 | 7.4 | 7.4 | 7.5 | 7.5 | 7.5 | 7.6 | 7.6 | 7.6 | 7.7 | 7.7 | 7.4 | 7.5 | 7.7 |
| Pacific | 16.7 | 16.8 | 16.8 | 16.9 | 17.0 | 17.0 | 17.1 | 17.1 | 17.2 | 17.2 | 17.3 | 17.3 | 16.8 | 17.0 | 17.3 |
| Total | 110.9 | 111.3 | 111.6 | 112.0 | 112.4 | 112.7 | 113.0 | 113.3 | 113.7 | 114.0 | 114.4 | 114.7 | 111.5 | 112.9 | 114.2 |
| **Total Non-farm Employment (Millions)** | | | | | | | | | | | | | | | |
| New England | 6.8 | 6.8 | 6.8 | 6.9 | 6.9 | 6.9 | 6.9 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 6.8 | 6.9 | 7.0 |
| Mid Atlantic | 18.0 | 18.1 | 18.1 | 18.2 | 18.3 | 18.3 | 18.4 | 18.4 | 18.5 | 18.5 | 18.6 | 18.6 | 18.1 | 18.4 | 18.6 |
| E. N. Central | 21.3 | 21.3 | 21.3 | 21.3 | 21.4 | 21.5 | 21.5 | 21.6 | 21.7 | 21.8 | 21.8 | 21.9 | 21.3 | 21.5 | 21.8 |
| W. N. Central | 9.7 | 9.8 | 9.8 | 9.8 | 9.9 | 9.9 | 9.9 | 10.0 | 10.0 | 10.0 | 10.1 | 10.1 | 9.8 | 9.9 | 10.0 |
| S. Atlantic | 24.7 | 24.9 | 25.0 | 25.1 | 25.2 | 25.4 | 25.5 | 25.6 | 25.7 | 25.8 | 25.9 | 26.0 | 24.9 | 25.4 | 25.9 |
| E. S. Central | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.6 | 7.6 | 7.6 | 7.6 | 7.7 | 7.7 | 7.7 | 7.5 | 7.6 | 7.7 |
| W. S. Central | 13.9 | 13.9 | 14.0 | 14.0 | 14.1 | 14.2 | 14.2 | 14.3 | 14.4 | 14.4 | 14.5 | 14.5 | 14.0 | 14.2 | 14.5 |
| Mountain | 8.7 | 8.7 | 8.8 | 8.9 | 8.9 | 9.0 | 9.0 | 9.1 | 9.1 | 9.2 | 9.2 | 9.3 | 8.8 | 9.0 | 9.2 |
| Pacific | 19.6 | 19.6 | 19.7 | 19.8 | 19.9 | 20.0 | 20.1 | 20.1 | 20.2 | 20.3 | 20.3 | 20.4 | 19.7 | 20.0 | 20.3 |
| Total | 130.1 | 130.6 | 131.0 | 131.4 | 132.1 | 132.7 | 133.2 | 133.8 | 134.3 | 134.8 | 135.1 | 135.5 | 130.8 | 132.9 | 134.9 |

[a] Regions refer to U.S. Census Divisions. A complete list of states comprising each Census Division is provided in EIA's Energy Glossary (http://www.eia.doe.gov/glossary_main_page.htm) under the letter "C".

[b] Gross state product, expressed in millions of year-2000 dollars, seasonally adjusted, annualized rates.

Sources: Historical data: latest data available from: U.S. Department of Commerce, Bureau of Economic Analysis; Federal Reserve System, Statistical Release G.17. Macroeconomic projections are based on Global Insight Quarterly Model of the U.S. Economy and Regional Economic Information Service.

# Table 2. U.S. Energy Indicators: Medium Recovery Case

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2004 | 2005 | 2006 |
| **Macroeconomic** [a] | | | | | | | | | | | | | | | |
| Real Fixed Investment (billion chained 2000 dollars-SAAR) | **1684** | **1745** | **1780** | **1811** | *1842* | *1884* | *1919* | *1934* | *1966* | *1976* | *1974* | *1976* | **1755** | *1895* | *1973* |
| Business Inventory Change (billion chained 2000 dollars-SAAR) | **9.0** | **7.5** | **6.5** | **1.5** | *25.1* | *-7.5* | *2.3* | *5.2* | *5.2* | *4.1* | *3.3* | *3.5* | **6.1** | *6.3* | *4.0* |
| Producer Price Index (index, 1982=1.000) | **1.421** | **1.456** | **1.477** | **1.514** | *1.519* | *1.537* | *1.568* | *1.592* | *1.567* | *1.559* | *1.561* | *1.563* | **1.467** | *1.554* | *1.563* |
| Consumer Price Index (index, 1982-1984=1.000) | **1.866** | **1.886** | **1.894** | **1.910** | *1.922* | *1.941* | *1.961* | *1.975* | *1.980* | *1.987* | *1.996* | *2.006* | **1.889** | *1.950* | *1.992* |
| Petroleum Product Price Index (index, 1982=1.000) | **1.051** | **1.178** | **1.234** | **1.328** | *1.352* | *1.493* | *1.850* | *1.890* | *1.750* | *1.736* | *1.714* | *1.695* | **1.198** | *1.646* | *1.724* |
| Non-Farm Employment (millions) | **130.5** | **131.3** | **131.7** | **132.3** | *132.8* | *133.4* | *134.0* | *134.5* | *135.0* | *135.5* | *135.8* | *136.3* | **131.5** | *133.7* | *135.7* |
| Commercial Employment (millions) | **92.5** | **93.2** | **93.5** | **94.0** | *94.5* | *95.1* | *95.6* | *96.1* | *96.5* | *97.0* | *97.3* | *97.7* | **93.3** | *95.3* | *97.1* |
| Total Industrial Production (index, 1997=100.0) | **113.9** | **115.1** | **115.9** | **117.2** | *118.2* | *118.8* | *120.4* | *121.5* | *122.2* | *122.8* | *123.2* | *123.6* | **115.5** | *119.7* | *122.9* |
| Housing Stock (millions) | **117.8** | **118.1** | **118.6** | **119.0** | *119.6* | *120.0* | *120.2* | *120.6* | *121.0* | *121.3* | *121.7* | *122.0* | **118.4** | *120.1* | *121.5* |
| **Miscellaneous** | | | | | | | | | | | | | | | |
| Gas Weighted Industrial Production (index, 1997=100.0) | **103.5** | **105.1** | **106.4** | **107.4** | *107.5* | *106.9* | *108.0* | *109.5* | *110.2* | *111.3* | *112.2* | *112.8* | **105.6** | *108.0* | *111.6* |
| Vehicle Miles Traveled [b] (million miles/day) | **7437** | **8279** | **8253** | **7975** | *7539* | *8321* | *8299* | *7971* | *7596* | *8401* | *8446* | *8114* | **7987** | *8035* | *8141* |
| Vehicle Fuel Efficiency (index, 1999=1.000) | **0.977** | **1.046** | **1.040** | **1.017** | *0.990* | *1.046* | *1.037* | *1.007* | *0.987* | *1.043* | *1.031* | *1.010* | **1.021** | *1.021* | *1.018* |
| Real Vehicle Fuel Cost (cents per mile) | **4.55** | **4.86** | **4.79** | **4.99** | *5.10* | *5.36* | *6.12* | *6.44* | *6.05* | *5.90* | *5.84* | *5.79* | **4.80** | *5.77* | *5.89* |
| Air Travel Capacity (mill. available ton-miles/day) | **503.4** | **517.4** | **525.2** | **521.0** | *534.5* | *543.8* | *532.8* | *530.5* | *532.1* | *547.9* | *550.9* | *546.1* | **516.8** | *535.4* | *544.3* |
| Aircraft Utilization (mill. revenue ton-miles/day) | **283.6** | **313.0** | **316.3** | **305.2** | *307.9* | *325.6* | *327.8* | *310.8* | *305.7* | *332.7* | *338.5* | *322.7* | **304.6** | *318.1* | *325.0* |
| Airline Ticket Price Index (index, 1982-1984=1.000) | **2.275** | **2.317** | **2.263** | **2.233** | *2.218* | *2.402* | *2.461* | *2.369* | *2.388* | *2.420* | *2.425* | *2.369* | **2.272** | *2.363* | *2.400* |
| Raw Steel Production (million tons) | **26.32** | **27.07** | **27.71** | **27.50** | *26.57* | *25.59* | *26.60* | *26.25* | *27.38* | *27.67* | *27.48* | *26.63* | **108.60** | *105.01* | *109.15* |

[a] Macroeconomic projections from Global Insight model forecasts are seasonally adjusted at annual rates and modified as appropriate to the base world oil price case.

[b] Includes all highway travel.

SAAR: Seasonally-adjusted annualized rate.

Note: Minor discrepancies with other published EIA historical data are due to independent rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: latest data available from: U.S. Department of Commerce, Bureau of Economic Analysis; U.S. Department of Commerce, National Oceanic and Atmospheric Administration; Federal Reserve System, Statistical Release G.17. Macroeconomic projections are based on Global Insight Model of US Economy, August 2005.

# Table 3. International Petroleum Supply and Demand: Medium Recovery Case

(Million Barrels per Day, Except OECD Commercial Stocks)

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2004 | 2005 | 2006 |
| **Demand** [a] | | | | | | | | | | | | | | | |
| OECD | | | | | | | | | | | | | | | |
| U.S. (50 States) | **20.6** | **20.5** | **20.8** | **21.0** | *20.6* | *20.5* | *20.9* | *21.3* | *21.1* | *20.9* | *21.3* | *21.3* | **20.7** | *20.8* | *21.2* |
| U.S. Territories | **0.4** | **0.4** | **0.3** | **0.4** | *0.3* | *0.4* | *0.4* | *0.4* | *0.4* | *0.4* | *0.4* | *0.4* | **0.4** | *0.4* | *0.4* |
| Canada | **2.3** | **2.3** | **2.3** | **2.4** | *2.3* | *2.2* | *2.4* | *2.4* | *2.3* | *2.3* | *2.4* | *2.4* | **2.3** | *2.3* | *2.3* |
| Europe | **15.6** | **15.2** | **15.6** | **16.0** | *15.5* | *15.3* | *15.6* | *15.8* | *15.7* | *15.5* | *15.7* | *15.9* | **15.6** | *15.6* | *15.7* |
| Japan | **6.0** | **4.9** | **5.1** | **5.5** | *6.0* | *5.0* | *5.2* | *5.6* | *6.0* | *4.9* | *5.2* | *5.6* | **5.4** | *5.4* | *5.4* |
| Other OECD | **5.3** | **5.0** | **5.0** | **5.3** | *5.5* | *5.2* | *5.2* | *5.4* | *5.4* | *5.3* | *5.4* | *5.5* | **5.1** | *5.3* | *5.4* |
| Total OECD | **50.2** | **48.2** | **49.1** | **50.5** | *50.4* | *48.6* | *49.7* | *50.9* | *51.0* | *49.2* | *50.4* | *51.1* | **49.5** | *49.9* | *50.4* |
| Non-OECD | | | | | | | | | | | | | | | |
| Former Soviet Union | **4.2** | **3.9** | **4.0** | **4.6** | *4.4* | *3.9* | *4.1* | *4.7* | *4.5* | *4.0* | *4.2* | *4.8* | **4.2** | *4.3* | *4.4* |
| Europe | **0.7** | **0.7** | **0.6** | **0.7** | *0.8* | *0.7* | *0.7* | *0.7* | *0.8* | *0.7* | *0.7* | *0.7* | **0.7** | *0.7* | *0.7* |
| China | **6.3** | **6.8** | **6.4** | **6.5** | *6.8* | *7.0* | *7.0* | *7.3* | *7.3* | *7.5* | *7.5* | *7.8* | **6.5** | *7.0* | *7.5* |
| Other Asia | **7.9** | **8.2** | **8.0** | **8.6** | *8.2* | *8.5* | *8.3* | *8.9* | *8.4* | *8.8* | *8.6* | *9.2* | **8.2** | *8.5* | *8.7* |
| Other Non-OECD | **13.2** | **13.3** | **13.5** | **13.5** | *13.7* | *13.7* | *14.0* | *14.0* | *14.1* | *14.2* | *14.4* | *14.4* | **13.4** | *13.8* | *14.3* |
| Total Non-OECD | **32.4** | **32.9** | **32.6** | **33.9** | *33.8* | *33.9* | *34.0* | *35.5* | *35.1* | *35.1* | *35.4* | *36.8* | **33.0** | *34.3* | *35.6* |
| Total World Demand | **82.6** | **81.1** | **81.7** | **84.4** | *84.2* | *82.4* | *83.7* | *86.4* | *86.0* | *84.3* | *85.7* | *87.9* | **82.5** | *84.2* | *86.0* |
| **Supply** [b] | | | | | | | | | | | | | | | |
| OECD | | | | | | | | | | | | | | | |
| U.S. (50 States) | **8.8** | **8.7** | **8.6** | **8.7** | *8.7* | *8.8* | *8.2* | *8.6* | *8.8* | *8.9* | *8.9* | *9.1* | **8.7** | *8.6* | *8.9* |
| Canada | **3.2** | **3.1** | **3.1** | **3.1** | *3.2* | *3.1* | *3.2* | *3.2* | *3.2* | *3.1* | *3.2* | *3.3* | **3.1** | *3.2* | *3.2* |
| Mexico | **3.8** | **3.9** | **3.8** | **3.8** | *3.8* | *3.9* | *3.7* | *3.8* | *3.8* | *3.8* | *3.9* | *3.8* | **3.8** | *3.8* | *3.8* |
| North Sea [c] | **5.9** | **5.7** | **5.2** | **5.5** | *5.5* | *5.2* | *4.8* | *5.2* | *5.3* | *5.1* | *4.8* | *5.0* | **5.6** | *5.2* | *5.1* |
| Other OECD | **1.5** | **1.5** | **1.5** | **1.4** | *1.5* | *1.5* | *1.5* | *1.5* | *1.5* | *1.5* | *1.5* | *1.5* | **1.5** | *1.5* | *1.5* |
| Total OECD | **23.2** | **22.9** | **22.2** | **22.6** | *22.6* | *22.5* | *21.5* | *22.3* | *22.6* | *22.4* | *22.3* | *22.6* | **22.8** | *22.2* | *22.5* |
| Non-OECD | | | | | | | | | | | | | | | |
| OPEC | **32.2** | **32.2** | **33.6** | **33.6** | *33.7* | *34.0* | *34.3* | *34.3* | *34.3* | *34.4* | *34.7* | *34.7* | **32.9** | *34.1* | *34.5* |
| Crude Oil Portion | **28.4** | **28.6** | **29.7** | **29.7** | *29.8* | *30.0* | *30.2* | *30.2* | *30.2* | *30.2* | *30.5* | *30.5* | **29.1** | *30.0* | *30.3* |
| Former Soviet Union | **11.0** | **11.2** | **11.5** | **11.6** | *11.5* | *11.6* | *11.7* | *11.9* | *12.1* | *12.1* | *12.3* | *12.4* | **11.3** | *11.7* | *12.2* |
| China | **3.6** | **3.6** | **3.7** | **3.7** | *3.7* | *3.8* | *3.8* | *3.7* | *3.7* | *3.7* | *3.7* | *3.7* | **3.6** | *3.7* | *3.7* |
| Other Non-OECD | **12.2** | **12.4** | **12.5** | **12.5** | *12.5* | *12.7* | *12.9* | *12.9* | *12.9* | *12.9* | *13.2* | *13.3* | **12.4** | *12.8* | *13.1* |
| Total Non-OECD | **59.0** | **59.4** | **61.2** | **61.4** | *61.5* | *62.0* | *62.7* | *62.8* | *63.0* | *63.1* | *63.8* | *64.0* | **60.3** | *62.3* | *63.5* |
| Total World Supply | **82.3** | **82.3** | **83.5** | **84.0** | *84.1* | *84.6* | *84.1* | *85.1* | *85.5* | *85.5* | *86.1* | *86.7* | **83.0** | *84.5* | *86.0* |
| **Stock Changes [d] (incl. strategic) and Balance** | | | | | | | | | | | | | | | |
| U.S. (50 States) Stk. Chg. | **0.0** | **-0.7** | **-0.1** | **0.0** | *-0.1* | *-0.9* | *0.5* | *0.3* | *0.3* | *-0.6* | *0.1* | *0.4* | **-0.2** | *-0.1* | *0.0* |
| Other OECD Stock Chg. | **0.5** | **-0.2** | **-0.4** | **0.2** | *0.0* | *-0.5* | *-0.7* | *0.5* | *0.0* | *-0.1* | *-0.4* | *0.4* | **0.0** | *-0.2* | *0.0* |
| Other Stk. Chgs. and Bal. | **-0.2** | **-0.3** | **-1.2** | **0.2** | *0.1* | *-0.7* | *-0.1* | *0.4* | *0.2* | *-0.5* | *-0.2* | *0.5* | **-0.4** | *-0.1* | *0.0* |
| Total | **0.3** | **-1.2** | **-1.7** | **0.4** | *0.0* | *-2.1* | *-0.4* | *1.3* | *0.5* | *-1.2* | *-0.4* | *1.3* | **-0.6** | *-0.3* | *0.0* |
| OECD Comm. Stks., End | **2.46** | **2.54** | **2.58** | **2.55** | *2.54* | *2.66* | *2.69* | *2.62* | *2.60* | *2.66* | *2.68* | *2.62* | **2.55** | *2.62* | *2.62* |
| Non-OPEC Supply | **50.0** | **50.1** | **49.9** | **50.4** | *50.4* | *50.6* | *49.9* | *50.8* | *51.3* | *51.1* | *51.5* | *52.0* | **50.1** | *50.4* | *51.5* |

[a] Demand for petroleum by the OECD countries is synonymous with "petroleum product supplied," which is defined in the glossary of the EIA *Petroleum Supply Monthly,* DOE/EIA-0109. Demand for petroleum by the non-OECD countries is "apparent consumption," which includes internal consumption, refinery fuel and loss, and bunkering.

[b] Includes production of crude oil (including lease condensates), natural gas plant liquids, other hydrogen and hydrocarbons for refinery feedstocks, refinery gains, alcohol, and liquids produced from coal and other sources.

[c] Includes offshore supply from Denmark, Germany, the Netherlands, Norway, and the United Kingdom.

[d] Stock draw shown as positive number; withdrawal shown as negative.

OECD: Organization for Economic Cooperation and Development: Australia, Austria, Belgium, Canada, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Poland, Portugal, Slovakia, South Korea, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States.

OPEC: Organization of Petroleum Exporting Countries: Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

SPR: Strategic Petroleum Reserve

Former Soviet Union: Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine and Uzbekistan.

Notes: Minor discrepancies with other published EIA historical data are due to rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: EIA: latest data available from EIA databases supporting the *International Petroleum Monthly*; International Energy Agency, Monthly Oil Data Service, Latest monthly release.

## Table 3a. OPEC Oil Production

(Thousand Barrels Per Day)

| | 07/01/2005 | July 2005 | August 2005 | | |
|---|---|---|---|---|---|
| | OPEC 10 Quota | Production | Production | Capacity | Surplus Capacity |
| Algeria | 894 | 1,380 | 1,380 | 1,380 | 0 |
| Indonesia | 1,451 | 940 | 940 | 940 | 0 |
| Iran | 4,110 | 4,000 | 4,000 | 4,000 | 0 |
| Kuwait | 2,247 | 2,500 | 2,500 | 2,500 | 0 |
| Libya | 1,500 | 1,635 | 1,635 | 1,635 | 0 |
| Nigeria | 2,306 | 2,500 | 2,450 | 2,450 | 0 |
| Qatar | 726 | 800 | 800 | 800 | 0 |
| Saudi Arabia | 9,099 | 9,600 | 9,600 | 10,500 - 11,000 | 900 - 1,400 |
| United Arab Emirates | 2,444 | 2,400 | 2,400 | 2,400 | 0 |
| Venezuela | 3,223 | 2,500 | 2,500 | 2,500 | 0 |
| OPEC 10 | 28,000 | 28,255 | 28,205 | 29,105 - 29,605 | 900 - 1,400 |
| Iraq | | 2,000 | 1,900 | 1,900 | 0 |
| Crude Oil Total | | 30,255 | 30,105 | 31,005 - 31,505 | 900 - 1,400 |
| Other Liquids | | 3,950 | 3,965 | | |
| Total OPEC Supply | | 34,205 | 34,070 | | |

Notes: Crude oil does not include lease condensate or natural gas liquids. OPEC Quotas are based on crude oil production only. “Capacity” refers to maximum sustainable production capacity, defined as the maximum amount of production that: 1) could be brought online within a period of 30 days; and 2) sustained for at least 90 days. Kuwaiti and Saudi Arabian figures each include half of the production from the Neutral Zone between the two countries. Saudi Arabian production also includes oil produced from its offshore Abu Safa field produced on behalf of Bahrain. The amount of Saudi Arabian spare capacity that can be brought online is shown as a range, because a short delay may be needed to achieve the higher level. The United Arab Emirates (UAE) is a federation of seven emirates. The UAE ’s OPEC quota applies only to the emirate of Abu Dhabi, which controls the vast majority of the UAE's economic and resource wealth. Venezuelan capacity and production numbers exclude extra heavy crude oil used to make Orimulsion. OPEC: Organization of Petroleum Exporting Countries: Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela. OPEC 10 refers to all OPEC less Iraq. Iraqi production and exports have not been a part of any recent OPEC agreements. Iraq’s current production number in this table is net of re-injection and water cut. Latest estimated gross production is about 2.3 million barrels per day. Other liquids include lease condensate, natural gas liquids, and other liquids including volume gains from refinery processing.

## Table 4. U.S. Energy Prices: Medium Recovery Case

(Nominal Dollars)

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2004 | 2005 | 2006 |
| **Crude Oil Prices** (dollars per barrel) | | | | | | | | | | | | | | | |
| Imported Average [a] | **31.12** | **33.97** | **38.64** | **39.91** | *41.21* | *45.94* | *56.40* | *60.00* | *56.79* | *55.50* | *56.49* | *56.84* | **35.99** | *50.98* | *56.39* |
| WTI [b] Spot Average | **35.24** | **38.35** | **43.87** | **48.31** | *49.73* | *53.05* | *64.50* | *67.80* | *64.00* | *62.50* | *63.50* | *63.83* | **41.44** | *58.77* | *63.46* |
| **Natural Gas** (dollars per thousand cubic feet) | | | | | | | | | | | | | | | |
| Average Wellhead | **5.22** | **5.56** | **5.28** | **5.92** | *5.70* | *6.20* | *8.22* | *11.05* | *9.23* | *7.12* | *6.46* | *7.73* | **5.50** | *7.81* | *7.64* |
| Henry Hub Spot | **5.81** | **6.29** | **5.66** | **6.48** | *6.62* | *7.14* | *10.03* | *11.49* | *10.02* | *7.53* | *7.20* | *8.92* | **6.06** | *8.82* | *8.42* |
| **Petroleum Products** (dollars per gallon) | | | | | | | | | | | | | | | |
| Gasoline Retail [c] | | | | | | | | | | | | | | | |
| All Grades | **1.70** | **1.96** | **1.93** | **1.98** | *1.98* | *2.23* | *2.61* | *2.62* | *2.42* | *2.50* | *2.46* | *2.40* | **1.89** | *2.37* | *2.45* |
| Regular | **1.65** | **1.92** | **1.89** | **1.94** | *1.94* | *2.19* | *2.58* | *2.58* | *2.38* | *2.46* | *2.42* | *2.36* | **1.85** | *2.32* | *2.40* |
| Distillate Fuel | | | | | | | | | | | | | | | |
| Retail Diesel | **1.59** | **1.72** | **1.83** | **2.10** | *2.07* | *2.26* | *2.53* | *2.73* | *2.54* | *2.46* | *2.46* | *2.55* | **1.81** | *2.41* | *2.50* |
| Wholesale Heating Oil | **0.95** | **1.00** | **1.18** | **1.37** | *1.39* | *1.53* | *1.87* | *2.00* | *1.83* | *1.71* | *1.71* | *1.77* | **1.13** | *1.70* | *1.76* |
| Retail Heating Oil | **1.42** | **1.41** | **1.52** | **1.80** | *1.85* | *1.95* | *2.24* | *2.46* | *2.34* | *2.18* | *2.09* | *2.22* | **1.54** | *2.09* | *2.26* |
| No. 6 Residual Fuel Oil, Retail [d] | **0.70** | **0.72** | **0.74** | **0.80** | *0.82* | *1.00* | *1.15* | *1.26* | *1.17* | *1.07* | *1.07* | *1.12* | **0.74** | *1.06* | *1.11* |
| **Electric Power Sector** (dollars per million Btu) | | | | | | | | | | | | | | | |
| Coal | **1.30** | **1.32** | **1.37** | **1.41** | *1.48* | *1.55* | *1.57* | *1.61* | *1.64* | *1.63* | *1.61* | *1.61* | **1.35** | *1.55* | *1.62* |
| Heavy Fuel Oil [e] | **4.51** | **4.90** | **4.91** | **5.26** | *5.38* | *7.71* | *8.44* | *8.03* | *7.00* | *6.89* | *7.28* | *7.44* | **4.86** | *7.53* | *7.15* |
| Natural Gas | **5.69** | **6.04** | **5.73** | **6.36** | *6.42* | *7.00* | *8.44* | *11.42* | *9.89* | *7.61* | *6.88* | *8.20* | **5.94** | *8.33* | *7.96* |
| **Other Residential** | | | | | | | | | | | | | | | |
| Natural Gas (dollars per thous.cubic feet) | **9.82** | **11.33** | **13.49** | **11.30** | *10.96* | *12.51* | *15.13* | *16.08* | *16.37* | *16.15* | *15.86* | *13.09* | **10.74** | *13.03* | *15.33* |
| Electricity (cents per kilowatthour) | **8.37** | **9.09** | **9.39** | **8.78** | *8.67* | *9.46* | *9.60* | *9.07* | *8.83* | *9.59* | *9.81* | *9.20* | **8.92** | *9.22* | *9.37* |

[a] Refiner acquisition cost (RAC) of imported crude oil.
[b] West Texas Intermediate.
[c] Average self-service cash prices.
[d] Average for all sulfur contents.
[e] Includes fuel oils No. 4, No. 5, and No. 6 and topped crude fuel oil prices.

Notes: Prices exclude taxes, except prices for gasoline, residential natural gas, and diesel. Minor discrepancies with other published EIA historical data are due to rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Petroleum Marketing Monthly*, DOE/EIA-0380; *Natural Gas Monthly*, DOE/EIA-0130; *Monthly Energy Review*, DOE/EIA-0035; *Electric Power Monthly*, DOE/EIA-0226.

# Table 5a. U.S. Petroleum Supply and Demand: Medium Recovery Case

(Million Barrels per Day, Except Closing Stocks)

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2004 | 2005 | 2006 |
| **Supply** | | | | | | | | | | | | | | | |
| Crude Oil Supply | | | | | | | | | | | | | | | |
| Domestic Production [a] | **5.58** | **5.49** | **5.29** | **5.32** | *5.45* | *5.47* | *5.05* | *5.34* | *5.54* | *5.64* | *5.56* | *5.72* | **5.42** | *5.33* | *5.62* |
| Alaska | **0.96** | **0.94** | **0.79** | **0.94** | *0.92* | *0.87* | *0.83* | *0.91* | *0.89* | *0.85* | *0.78* | *0.89* | **0.91** | *0.88* | *0.85* |
| Lower 48 | **4.61** | **4.55** | **4.49** | **4.38** | *4.53* | *4.60* | *4.22* | *4.42* | *4.65* | *4.79* | *4.78* | *4.84* | **4.51** | *4.44* | *4.77* |
| Net Commercial Imports [b] | **9.58** | **10.33** | **10.13** | **10.20** | *10.01* | *10.34* | *10.21* | *10.27* | *9.89* | *10.50* | *10.34* | *10.01* | **10.06** | *10.21* | *10.19* |
| Net SPR Withdrawals | **-0.15** | **-0.11** | **-0.09** | **-0.06** | *-0.13* | *-0.09* | *0.06* | *0.11* | *0.00* | *0.00* | *0.00* | *0.00* | **-0.10** | *-0.01* | *0.00* |
| Net Commercial Withdrawals | **-0.31** | **-0.08** | **0.35** | **-0.14** | *-0.37* | *-0.11* | *0.24* | *0.06* | *-0.16* | *0.05* | *0.23* | *0.06* | **-0.05** | *-0.04* | *0.05* |
| Product Supplied and Losses | **0.00** | **0.00** | **0.00** | **0.00** | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | **0.00** | *0.00* | *0.00* |
| Unaccounted-for Crude Oil | **0.07** | **0.30** | **0.08** | **0.12** | *0.19* | *0.32* | *0.03* | *0.03* | *0.09* | *0.12* | *0.08* | *0.03* | **0.14** | *0.14* | *0.08* |
| Total Crude Oil Supply | **14.76** | **15.93** | **15.76** | **15.45** | *15.15* | *15.93* | *15.58* | *15.79* | *15.36* | *16.32* | *16.21* | *15.82* | **15.48** | *15.62* | *15.93* |
| Other Supply | | | | | | | | | | | | | | | |
| NGL Production | **1.81** | **1.77** | **1.82** | **1.83** | *1.84* | *1.82* | *1.70* | *1.76* | *1.79* | *1.81* | *1.87* | *1.87* | **1.81** | *1.78* | *1.83* |
| Other Inputs [c] | **0.41** | **0.42** | **0.44** | **0.42** | *0.43* | *0.45* | *0.47* | *0.46* | *0.45* | *0.45* | *0.47* | *0.45* | **0.42** | *0.45* | *0.46* |
| Crude Oil Product Supplied | **0.00** | **0.00** | **0.00** | **0.00** | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | **0.00** | *0.00* | *0.00* |
| Processing Gain | **1.02** | **1.04** | **1.03** | **1.11** | *0.99* | *1.06* | *1.01* | *1.06* | *1.00* | *1.02* | *1.02* | *1.05* | **1.05** | *1.03* | *1.02* |
| Net Product Imports [d] | **2.16** | **1.86** | **2.14** | **1.99** | *1.85* | *1.94* | *1.94* | *2.06* | *2.11* | *1.93* | *1.86* | *1.82* | **2.04** | *1.95* | *1.93* |
| Product Stock Withdrawn or Added (-) | **0.44** | **-0.47** | **-0.38** | **0.16** | *0.37* | *-0.70* | *0.17* | *0.16* | *0.44* | *-0.65* | *-0.11* | *0.30* | **-0.06** | *0.00* | *-0.01* |
| Total Supply | **20.60** | **20.54** | **20.82** | **20.97** | *20.64* | *20.51* | *20.87* | *21.30* | *21.15* | *20.88* | *21.31* | *21.31* | **20.73** | *20.83* | *21.16* |
| **Demand** | | | | | | | | | | | | | | | |
| Motor Gasoline | **8.86** | **9.21** | **9.24** | **9.12** | *8.86* | *9.26* | *9.31* | *9.21* | *8.96* | *9.37* | *9.53* | *9.35* | **9.11** | *9.16* | *9.30* |
| Jet Fuel | **1.58** | **1.61** | **1.67** | **1.66** | *1.60* | *1.61* | *1.63* | *1.71* | *1.66* | *1.69* | *1.72* | *1.72* | **1.63** | *1.64* | *1.70* |
| Distillate Fuel Oil | **4.24** | **3.96** | **3.92** | **4.11** | *4.25* | *4.06* | *4.04* | *4.29* | *4.48* | *4.14* | *4.09* | *4.24* | **4.06** | *4.16* | *4.24* |
| Residual Fuel Oil | **0.95** | **0.81** | **0.82** | **0.88** | *0.90* | *0.79* | *0.85* | *0.94* | *0.94* | *0.74* | *0.75* | *0.79* | **0.86** | *0.87* | *0.80* |
| Other Oils [e] | **4.97** | **4.96** | **5.17** | **5.19** | *5.03* | *4.80* | *5.03* | *5.14* | *5.11* | *4.95* | *5.21* | *5.20* | **5.07** | *5.00* | *5.12* |
| Total Demand | **20.60** | **20.54** | **20.82** | **20.97** | *20.63* | *20.51* | *20.86* | *21.29* | *21.14* | *20.88* | *21.31* | *21.31* | **20.73** | *20.83* | *21.16* |
| **Total Petroleum Net Imports** | **11.74** | **12.18** | **12.27** | **12.19** | *11.86* | *12.29* | *12.15* | *12.33* | *11.99* | *12.44* | *12.20* | *11.83* | **12.10** | *12.16* | *12.12* |
| **Closing Stocks (million barrels)** | | | | | | | | | | | | | | | |
| Crude Oil (excluding SPR) | **297** | **305** | **273** | **286** | *319* | *329* | *307* | *302* | *317* | *312* | *291* | *285* | **286** | *302* | *285* |
| Total Motor Gasoline | **201** | **208** | **205** | **218** | *212* | *216* | *189* | *206* | *208* | *219* | *209* | *215* | **218** | *206* | *215* |
| Finished Motor Gasoline | **132** | **140** | **136** | **143** | *138* | *142* | *123* | *136* | *132* | *146* | *138* | *144* | **143** | *136* | *144* |
| Blending Components | **69** | **68** | **69** | **74** | *74* | *74* | *66* | *70* | *76* | *73* | *71* | *71* | **74** | *70* | *71* |
| Jet Fuel | **36** | **39** | **41** | **40** | *38* | *41* | *40* | *40* | *38* | *40* | *41* | *40* | **40** | *40* | *40* |
| Distillate Fuel Oil | **104** | **114** | **123** | **126** | *104* | *119* | *130* | *136* | *108* | *119* | *128* | *134* | **126** | *136* | *134* |
| Residual Fuel Oil | **39** | **38** | **34** | **42** | *39* | *37* | *34* | *37* | *36* | *37* | *35* | *37* | **42** | *37* | *37* |
| Other Oils [f] | **242** | **265** | **295** | **257** | *256* | *300* | *305* | *264* | *254* | *288* | *300* | *259* | **257** | *264* | *259* |
| Total Stocks (excluding SPR) | **919** | **968** | **971** | **969** | *969* | *1043* | *1005* | *985* | *960* | *1015* | *1004* | *971* | **969** | *985* | *971* |
| Crude Oil in SPR | **652** | **662** | **670** | **676** | *688* | *696* | *691* | *681* | *681* | *681* | *681* | *681* | **676** | *681* | *681* |
| Heating Oil Reserve | **2** | **2** | **2** | **2** | *2* | *2* | *2* | *2* | *2* | *2* | *2* | *2* | **2** | *2* | *2* |
| Total Stocks (incl SPR and HOR) | **1573** | **1633** | **1643** | **1647** | *1659* | *1741* | *1698* | *1668* | *1643* | *1698* | *1687* | *1654* | **1647** | *1668* | *1654* |

[a] Includes lease condensate.
[b] Net imports equals gross imports minus exports.
[c] Includes finished petroleum products, unfinished oils, gasoline blending components, and natural gas plant liquids for processing.
[d] Includes crude oil product supplied, natural gas liquids, liquefied refinery gas, other liquids, and all finished petroleum products except motor gasoline, jet fuel, distillate, and residual fuel oil.
[e] Includes stocks of all other oils, such as aviation gasoline, kerosene, natural gas liquids (including ethane), aviation gasoline blending components, naphtha and other oils for petrochemical feedstock use, special naphthas, lube oils, wax, coke, asphalt, road oil, and miscellaneous oils.

SPR: Strategic Petroleum Reserve
HOR: Heating Oil Reserve
NGL: Natural Gas Liquids

Notes: Minor discrepancies with other EIA published historical data are due to rounding, with the following exception: recent petroleum demand and supply data displayed here reflect the incorporation of resubmissions of the data as reported in EIA's *Petroleum Supply Monthly*, Table C1. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System model.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109, and *Weekly Petroleum Status Report*, DOE/EIA-0208.

## Table 5b. U.S. Regional[a] Motor Gasoline Inventories and Prices: Medium Recovery Case

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sector** | **Q1** | **Q2** | **Q3** | **Q4** | **Q1** | **Q2** | **Q3** | **Q4** | **Q1** | **Q2** | **Q3** | **Q4** | **2004** | **2005** | **2006** |
| **Total End-of-period Gasoline Inventories** (million barrels) | | | | | | | | | | | | | | | |
| PADD 1 ..... | **54.6** | **56.7** | **55.4** | **59.8** | **56.7** | *60.2* | *51.1* | *58.4* | *57.2* | *63.3* | *56.7* | *59.4* | **59.8** | *58.4* | *59.4* |
| PADD 2 ..... | **51.7** | **52.7** | **50.6** | **53.6** | **52.5** | *50.9* | *44.3* | *47.8* | *49.8* | *53.0* | *51.8* | *51.9* | **53.6** | *47.8* | *51.9* |
| PADD 3 ..... | **59.1** | **63.0** | **61.1** | **66.0** | **66.0** | *67.5* | *57.5* | *61.3* | *62.4* | *65.1* | *63.7* | *64.1* | **66.0** | *61.3* | *64.1* |
| PADD 4 ..... | **6.4** | **6.5** | **5.8** | **6.7** | **6.4** | *6.2* | *5.0* | *6.6* | *6.9* | *6.0* | *5.9* | *6.7* | **6.7** | *6.6* | *6.7* |
| PADD 5 ..... | **29.1** | **29.6** | **31.8** | **31.5** | **30.2** | *31.4* | *31.3* | *32.1* | *31.5* | *31.8* | *31.0* | *33.0* | **31.5** | *32.1* | *33.0* |
| U.S. Total .... | **200.9** | **208.5** | **204.7** | **217.6** | **211.7** | *216.2* | *189.2* | *206.3* | *207.8* | *219.2* | *209.0* | *215.1* | **217.6** | *206.3* | *215.1* |
| **Total End-of-period Finished Gasoline Inventories** (million barrels) | | | | | | | | | | | | | | | |
| PADD 1 ..... | **39.3** | **42.5** | **42.4** | **45.1** | **42.2** | *45.4* | *37.4* | *42.8* | *40.7* | *48.1* | *42.6* | *44.6* | **45.1** | *42.8* | *44.6* |
| PADD 2 ..... | **37.9** | **37.9** | **37.5** | **39.7** | **37.5** | *36.4* | *31.3* | *34.5* | *35.1* | *37.8* | *36.9* | *38.0* | **39.7** | *34.5* | *38.0* |
| PADD 3 ..... | **40.7** | **44.3** | **42.1** | **44.9** | **43.5** | *45.6* | *40.5* | *43.9* | *42.5* | *45.4* | *44.1* | *45.3* | **44.9** | *43.9* | *45.3* |
| PADD 4 ..... | **4.6** | **4.9** | **4.5** | **4.7** | **4.7** | *4.5* | *3.7* | *4.7* | *5.0* | *4.4* | *4.5* | *4.8* | **4.7** | *4.7* | *4.8* |
| PADD 5 ..... | **9.6** | **10.6** | **9.1** | **8.9** | **9.9** | *10.0* | *9.9* | *10.0* | *9.0* | *10.7* | *10.1* | *10.9* | **8.9** | *10.0* | *10.9* |
| U.S. Total ... | **132.1** | **140.2** | **135.7** | **143.2** | **137.8** | *141.9* | *122.9* | *135.9* | *132.3* | *146.4* | *138.2* | *143.7* | **143.2** | *135.9* | *143.7* |
| **Total End-of-period Gasoline Blending Components Inventories** (million barrels) | | | | | | | | | | | | | | | |
| PADD 1 ..... | **15.3** | **14.2** | **12.9** | **14.7** | **14.5** | *14.8* | *13.7* | *15.6* | *16.5* | *15.2* | *14.0* | *14.8* | **14.7** | *15.6* | *14.8* |
| PADD 2 ..... | **13.8** | **14.8** | **13.1** | **13.9** | **15.0** | *14.6* | *12.9* | *13.3* | *14.7* | *15.2* | *14.9* | *13.9* | **13.9** | *13.3* | *13.9* |
| PADD 3 ..... | **18.5** | **18.6** | **19.0** | **21.1** | **22.5** | *21.9* | *17.0* | *17.4* | *19.9* | *19.7* | *19.6* | *18.7* | **21.1** | *17.4* | *18.7* |
| PADD 4 ..... | **1.7** | **1.6** | **1.3** | **2.0** | **1.7** | *1.7* | *1.3* | *1.9* | *1.9* | *1.6* | *1.4* | *1.9* | **2.0** | *1.9* | *1.9* |
| PADD 5 ..... | **19.5** | **19.0** | **22.7** | **22.6** | **20.3** | *21.3* | *21.4* | *22.2* | *22.5* | *21.0* | *20.9* | *22.1* | **22.6** | *22.2* | *22.1* |
| U.S. Total ... | **68.8** | **68.3** | **69.0** | **74.4** | **74.0** | *74.3* | *66.3* | *70.4* | *75.5* | *72.8* | *70.9* | *71.4* | **74.4** | *70.4* | *71.4* |
| **Motor Gasoline Retail Prices Excluding Taxes** (cents/gallon) | | | | | | | | | | | | | | | |
| PADD 1 ..... | **119.5** | **143.0** | **141.2** | **146.8** | **146.0** | *168.4* | *210.3* | *209.6* | *189.3* | *194.7* | *191.5* | *186.6* | **137.6** | *183.6* | *190.5* |
| PADD 2 ..... | **120.5** | **143.7** | **140.6** | **143.1** | **148.2** | *167.5* | *210.9* | *205.9* | *189.4* | *196.6* | *193.9* | *185.5* | **137.0** | *183.1* | *191.3* |
| PADD 3 ..... | **114.5** | **137.7** | **136.4** | **140.3** | **142.9** | *165.4* | *206.4* | *204.1* | *186.3* | *191.7* | *186.2* | *180.6* | **132.2** | *179.7* | *186.2* |
| PADD 4 ..... | **117.7** | **147.5** | **146.3** | **147.6** | **145.0** | *173.3* | *204.9* | *213.7* | *190.9* | *199.6* | *197.0* | *191.0* | **139.8** | *184.2* | *194.6* |
| PADD 5 ..... | **136.5** | **167.6** | **157.0** | **165.7** | **158.5** | *189.9* | *217.8* | *224.9* | *206.5* | *215.8* | *206.3* | *200.7* | **156.7** | *197.8* | *207.3* |
| U.S. Total ... | **121.3** | **145.8** | **142.5** | **147.3** | **148.1** | *170.8* | *210.6* | *210.4* | *191.9* | *198.6* | *194.1* | *187.9* | **139.2** | *185.0* | *193.1* |
| **Motor Gasoline Retail Prices Including Taxes** (cents/gallon) | | | | | | | | | | | | | | | |
| PADD 1 ..... | **164.2** | **189.4** | **188.0** | **194.1** | **192.6** | *216.8* | *258.2* | *258.0* | *235.5* | *242.6* | *240.2* | *235.8* | **183.9** | *231.4* | *238.5* |
| PADD 2 ..... | **161.9** | **186.1** | **184.5** | **186.9** | **192.6** | *212.3* | *255.8* | *251.2* | *233.6* | *241.6* | *239.3* | *230.8* | **179.8** | *228.0* | *236.3* |
| PADD 3 ..... | **155.6** | **180.0** | **178.7** | **183.7** | **185.4** | *209.5* | *250.2* | *249.2* | *230.0* | *236.0* | *230.1* | *225.2* | **174.5** | *223.5* | *230.3* |
| PADD 4 ..... | **161.1** | **192.4** | **189.9** | **193.5** | **190.8** | *220.5* | *249.2* | *259.2* | *235.4* | *245.2* | *242.7* | *237.2* | **184.2** | *230.0* | *240.1* |
| PADD 5 ..... | **182.8** | **217.3** | **206.5** | **216.5** | **207.8** | *242.1* | *268.7* | *276.4* | *256.4* | *268.4* | *258.3* | *253.1* | **205.8** | *248.7* | *259.1* |
| U.S. Total ... | **165.2** | **191.7** | **188.6** | **194.0** | **194.0** | *218.6* | *257.7* | *258.0* | *237.8* | *245.9* | *241.7* | *235.9* | **184.9** | *232.1* | *240.3* |

[a] Regions refer to Petroleum Administration for Defense Districts (PADD). A complete list of states comprising each PADD is provided in EIA's Energy Glossary (http://www.eia.doe.gov/glossary_main_page.htm) under the letter "P."

Notes: Minor discrepancies with other EIA published historical data are due to rounding, with the following exception: recent petroleum demand and supply data displayed here reflect the incorporation of resubmissions of the data as reported in EIA's *Petroleum Supply Monthly*, Table C1. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Regional Short-Term Energy Model.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109, and *Weekly Petroleum Status Report*, DOE/EIA-0208, *Petroleum Marketing Monthly*, DOE/EIA-0380.

## Table 5c. U.S. Regional[a] Distillate Inventories and prices: Medium Recovery Case

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sector** | **Q1** | **Q2** | **Q3** | **Q4** | **Q1** | **Q2** | **Q3** | **Q4** | **Q1** | **Q2** | **Q3** | **Q4** | **2004** | **2005** | **2006** |
| **Total End-of-period Distillate Inventories** (million barrels) | | | | | | | | | | | | | | | |
| PADD 1 ..... | **38.4** | **40.4** | **50.7** | **50.3** | **34.1** | *45.2* | *55.8* | *56.9* | *36.6* | *44.8* | *54.7* | *55.1* | **50.3** | *56.9* | *55.1* |
| PADD 2 ..... | **25.5** | **29.8** | **32.1** | **29.7** | **27.6** | *29.6* | *30.1* | *31.7* | *27.6* | *29.6* | *29.5* | *31.4* | **29.7** | *31.7* | *31.4* |
| PADD 3 ..... | **27.4** | **29.8** | **27.5** | **29.8** | **28.6** | *30.0* | *30.1* | *31.3* | *29.1* | *29.9* | *30.3* | *31.4* | **29.8** | *31.3* | *31.4* |
| PADD 4 ..... | **2.7** | **3.2** | **2.4** | **3.3** | **3.1** | *2.4* | *2.6* | *3.5* | *3.1* | *3.1* | *2.8* | *3.5* | **3.3** | *3.5* | *3.5* |
| PADD 5 ..... | **10.3** | **11.1** | **10.4** | **13.2** | **11.1** | *11.5* | *11.2* | *12.5* | *11.3* | *11.4* | *10.8* | *12.1* | **13.2** | *12.5* | *12.1* |
| U.S. Total ... | **104.4** | **114.3** | **123.1** | **126.3** | **104.5** | *118.8* | *129.9* | *135.9* | *107.7* | *118.9* | *128.1* | *133.6* | **126.3** | *135.9* | *133.6* |
| **Residential Price excluding Taxes** (cents/gallon) | | | | | | | | | | | | | | | |
| Northeast..... | **143.7** | **142.3** | **153.6** | **181.0** | **185.7** | *195.5* | *225.3* | *247.8* | *235.5* | *219.3* | *210.0* | *223.4* | **155.2** | *208.5* | *227.2* |
| South..... | **143.6** | **140.5** | **150.4** | **184.0** | **188.0** | *194.6* | *222.6* | *244.7* | *233.5* | *214.6* | *206.8* | *222.2* | **153.8** | *211.9* | *224.8* |
| Midwest..... | **131.4** | **134.8** | **148.1** | **172.3** | **174.7** | *185.2* | *222.0* | *235.8* | *220.6* | *206.4* | *203.2* | *213.8* | **144.2** | *204.7* | *214.2* |
| West..... | **144.7** | **167.6** | **172.5** | **186.1** | **192.9** | *214.1* | *228.3* | *247.9* | *233.1* | *229.5* | *219.8* | *224.1* | **165.5** | *217.9* | *228.1* |
| U.S. Total ... | **142.2** | **141.3** | **152.0** | **180.3** | **185.2** | *195.1* | *224.1* | *246.3* | *233.9* | *217.9* | *208.9* | *222.3* | **153.8** | *208.7* | *225.6* |
| **Residential Prices including State Taxes** (cents/gallon) | | | | | | | | | | | | | | | |
| Northeast..... | **150.8** | **149.3** | **161.2** | **188.8** | **194.8** | *205.1* | *236.5* | *258.5* | *247.1* | *230.0* | *220.3* | *233.1* | **162.5** | *218.4* | *237.9* |
| South..... | **149.7** | **146.3** | **156.8** | **191.6** | **196.1** | *202.7* | *232.2* | *254.9* | *243.6* | *223.5* | *215.7* | *231.4* | **160.4** | *220.8* | *234.3* |
| Midwest..... | **139.2** | **142.3** | **155.2** | **183.1** | **186.6** | *195.8* | *227.0* | *249.3* | *232.7* | *216.9* | *213.8* | *225.9* | **154.9** | *214.7* | *222.3* |
| West..... | **150.4** | **173.4** | **177.6** | **193.7** | **200.6** | *221.5* | *235.0* | *258.0* | *242.4* | *237.5* | *226.2* | *233.3* | **171.8** | *226.2* | *236.8* |
| U.S. Total ... | **149.5** | **148.7** | **160.3** | **188.7** | **194.4** | *204.8* | *235.7* | *257.1* | *245.4* | *228.5* | *219.2* | *232.1* | **161.5** | *218.7* | *236.4* |

[a] Regions refer to Petroleum Administration for Defense Districts (PADD) and to U.S. Census Regions. A complete list of states comprising each PADD and Region are provided in EIA's Energy Glossary (http://www.eia.doe.gov/glossary_main_page.htm) under the letters "P" and "C."

Notes: Minor discrepancies with other EIA published historical data are due to rounding, with the following exception: recent petroleum demand and supply data displayed here reflect the incorporation of resubmissions of the data as reported in EIA's *Petroleum Supply Monthly*, Table C1. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Regional Short-Term Energy Model.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109, and *Weekly Petroleum Status Report*, DOE/EIA-0208, *Petroleum Marketing Monthly*, DOE/EIA-0380.

## Table 5d. U.S. Regional[a] Propane Inventories and Prices: Medium Recovery Case

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sector** | **Q1** | **Q2** | **Q3** | **Q4** | **Q1** | **Q2** | **Q3** | **Q4** | **Q1** | **Q2** | **Q3** | **Q4** | **2004** | **2005** | **2006** |
| **Total End-of-period Inventories** (million barrels) | | | | | | | | | | | | | | | |
| PADD 1 | **3.3** | **4.2** | **5.5** | **5.6** | **2.1** | *3.4* | *4.6* | *5.0* | *2.8* | *4.3* | *5.1* | *5.1* | **5.6** | *5.0* | *5.1* |
| PADD 2 | **10.1** | **18.2** | **24.1** | **18.5** | **8.5** | *17.8* | *24.2* | *20.4* | *9.2* | *17.9* | *23.7* | *19.8* | **18.5** | *20.4* | *19.8* |
| PADD 3 | **14.2** | **20.5** | **34.9** | **29.0** | **15.9** | *30.4* | *36.1* | *27.3* | *18.0* | *30.2* | *36.0* | *27.6* | **29.0** | *27.3* | *27.6* |
| PADD 4 | **0.5** | **0.5** | **0.7** | **0.7** | **0.3** | *0.5* | *0.6* | *0.6* | *0.4* | *0.6* | *0.7* | *0.7* | **0.7** | *0.6* | *0.7* |
| PADD 5 | **0.4** | **1.3** | **2.5** | **1.3** | **0.4** | *1.0* | *2.5* | *1.7* | *0.7* | *1.5* | *2.8* | *2.0* | **1.3** | *1.7* | *2.0* |
| U.S. Total | **28.5** | **44.7** | **67.8** | **55.0** | **27.2** | *53.0* | *68.1* | *55.0* | *31.2* | *54.4* | *68.3* | *55.2* | **55.0** | *55.0* | *55.2* |
| **Residential Price excluding Taxes** (cents/gallon) | | | | | | | | | | | | | | | |
| Northeast | **163.8** | **162.5** | **169.5** | **180.3** | **178.6** | *189.6* | *201.4* | *215.5* | *217.7* | *208.8* | *204.7* | *210.1* | **169.1** | *194.0* | *211.9* |
| South | **156.1** | **149.0** | **148.2** | **167.4** | **171.3** | *172.6* | *181.6* | *206.2* | *212.0* | *193.8* | *181.4* | *198.1* | **157.8** | *185.3* | *201.2* |
| Midwest | **116.7** | **112.1** | **115.7** | **130.8** | **136.0** | *137.7* | *149.2* | *173.9* | *175.6* | *161.5* | *153.1* | *167.3* | **120.7** | *151.2* | *167.9* |
| West | **151.4** | **139.1** | **141.5** | **168.8** | **168.8** | *167.7* | *169.4* | *200.6* | *204.0* | *186.1* | *174.7* | *195.9* | **154.0** | *178.3* | *193.4* |
| U.S. Total | **136.6** | **136.7** | **136.6** | **153.9** | **157.4** | *163.9* | *169.1* | *193.0* | *196.4* | *184.3* | *172.3* | *186.4* | **142.1** | *171.7* | *188.0* |
| **Residential Prices including State Taxes** (cents/gallon) | | | | | | | | | | | | | | | |
| Northeast | **171.1** | **169.8** | **177.4** | **188.4** | **186.5** | *198.2* | *210.8* | *225.2* | *227.4* | *218.2* | *214.3* | *219.6* | **176.7** | *202.7* | *221.4* |
| South | **163.9** | **156.5** | **155.9** | **175.9** | **179.8** | *181.2* | *191.0* | *216.6* | *222.6* | *203.5* | *190.8* | *208.1* | **165.8** | *194.7* | *211.3* |
| Midwest | **123.3** | **118.5** | **122.1** | **138.2** | **143.6** | *145.5* | *157.5* | *183.7* | *185.5* | *170.7* | *161.6* | *176.8* | **127.5** | *159.8* | *177.4* |
| West | **160.0** | **146.9** | **149.0** | **178.2** | **178.4** | *177.2* | *178.5* | *211.8* | *215.6* | *196.6* | *184.0* | *206.8* | **162.6** | *188.3* | *204.2* |
| U.S. Total | **147.3** | **144.8** | **143.8** | **162.1** | **165.7** | *172.5* | *178.0* | *203.2* | *206.7* | *193.9* | *181.3* | *196.2* | **151.2** | *180.7* | *197.9* |

[a] Regions refer to Petroleum Administration for Defense Districts (PADD) and U.S. Census Regions. A complete list of states comprising each PADD and Region are provided in EIA's Energy Glossary (http://www.eia.doe.gov/glossary_main_page.htm) under the letters "P" and "C."

Notes: Minor discrepancies with other EIA published historical data are due to rounding, with the following exception: recent petroleum demand and supply data displayed here reflect the incorporation of resubmissions of the data as reported in EIA's *Petroleum Supply Monthly*, Table C1. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System model.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109, and *Weekly Petroleum Status Report*, DOE/EIA-0208, *Petroleum Marketing Monthly*, DOE/EIA-0380.

## Table 6. Approximate Energy Demand Sensitivities[a] for the RSTEM[b]

(Percent Deviation Medium Recovery Case)

| Demand Sector | +1% GDP | + 10% Prices | | + 10% Weather [e] | |
|---|---|---|---|---|---|
| | | Crude Oil [c] | N.Gas Wellhead [d] | Fall/Winter [f] | Spring/Summer [f] |
| **Petroleum** | | | | | |
| Total | | | | | |
| Motor Gasoline | | | | | |
| Distillate Fuel | | | | | |
| Residual Fuel | | | | | |
| **Natural Gas** | | | | | |
| Total | | | | | |
| Residential | | | | | |
| Commercial | | | | | |
| Industrial | | REVISIONS TO THIS TABLE PENDING – PLEASE CHECK BACK LATER | | | |
| Electric Power | | | | | |
| **Coal** | | | | | |
| Total | | | | | |
| Electric Power | | | | | |
| **Electricity** | | | | | |
| Total | | | | | |
| Residential | | | | | |
| Commercial | | | | | |
| Industrial | | | | | |

[a] Percent change in demand quantity resulting from specified percent changes in model inputs.
[b] Regional Short-Term Energy Model.
[c] Refiner acquisitions cost of imported crude oil.
[d] Average unit value of marketed natural gas production reported by States.
[e] Refers to percent changes in degree-days.
[f] Response during fall/winter period(first and fourth calendar quarters) refers to change in heating degree-days. Response during the spring/summer period (second and third calendar quarters) refers to change in cooling degree-days.

## Table 7. Forecast Components for U.S. Crude Oil Production

(Million Barrels per Day)

| | High Price Case | Low Price Case | Difference | | |
|---|---|---|---|---|---|
| | | | Total | Uncertainty | Price Impact |
| United States | *6.297* | *5.146* | *1.150* | *0.046* | *1.105* |
| Lower 48 States | *5.406* | *4.267* | *1.139* | *0.040* | *1.099* |
| Alaska | *0.891* | *0.880* | *0.011* | *0.006* | *0.006* |

Note: Components provided are for the fourth quarter 2006.
Source: EIA, Office of Oil and Gas, Reserves and Production Division.

# Table 8a. U.S. Natural Gas Supply and Demand: Medium Recovery Case

(Trillion Cubic Feet)

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2004 | 2005 | 2006 |
| **Supply** | | | | | | | | | | | | | | | |
| Total Dry Gas Production | **4.79** | **4.73** | **4.71** | **4.69** | *4.68* | *4.65* | *4.56* | *4.75* | *4.81* | *4.84* | *4.80* | *4.83* | **18.92** | *18.63* | *19.28* |
| Gross Imports | **1.07** | **1.00** | **1.08** | **1.12** | *1.13* | *1.00* | *1.00* | *1.10* | *1.16* | *1.11* | *1.15* | *1.19* | **4.28** | *4.24* | *4.62* |
| Pipeline | **0.92** | **0.84** | **0.89** | **0.97** | *0.98* | *0.84* | *0.83* | *0.88* | *0.90* | *0.84* | *0.87* | *0.92* | **3.62** | *3.53* | *3.54* |
| LNG | **0.15** | **0.16** | **0.19** | **0.15** | *0.16* | *0.16* | *0.18* | *0.22* | *0.26* | *0.27* | *0.28* | *0.27* | **0.65** | *0.71* | *1.08* |
| Gross Exports | **0.23** | **0.19** | **0.21** | **0.23** | *0.27* | *0.17* | *0.22* | *0.27* | *0.27* | *0.25* | *0.25* | *0.29* | **0.85** | *0.93* | *1.05* |
| Net Imports | **0.85** | **0.81** | **0.88** | **0.89** | *0.86* | *0.83* | *0.78* | *0.83* | *0.89* | *0.87* | *0.90* | *0.90* | **3.42** | *3.31* | *3.57* |
| Supplemental Gaseous Fuels | **0.02** | **0.01** | **0.01** | **0.02** | *0.02* | *0.01* | *0.02* | *0.02* | *0.02* | *0.01* | *0.02* | *0.02* | **0.06** | *0.07* | *0.07* |
| Total New Supply | **5.66** | **5.55** | **5.60** | **5.60** | *5.55* | *5.49* | *5.36* | *5.61* | *5.72* | *5.72* | *5.72* | *5.75* | **22.40** | *22.01* | *22.91* |
| Working Gas in Storage | | | | | | | | | | | | | | | |
| Opening | **2.56** | **1.06** | **2.02** | **3.06** | *2.70* | *1.28* | *2.20* | *2.81* | *2.37* | *0.90* | *1.88* | *2.88* | **2.56** | *2.70* | *2.37* |
| Closing | **1.06** | **2.02** | **3.06** | **2.70** | *1.28* | *2.20* | *2.81* | *2.37* | *0.90* | *1.88* | *2.88* | *2.43* | **2.70** | *2.37* | *2.43* |
| Net Withdrawals | **1.50** | **-0.96** | **-1.03** | **0.36** | *1.41* | *-0.91* | *-0.61* | *0.44* | *1.47* | *-0.97* | *-1.00* | *0.45* | **-0.13** | *0.33* | *-0.06* |
| Total Supply | **7.16** | **4.59** | **4.56** | **5.96** | *6.96* | *4.58* | *4.75* | *6.04* | *7.19* | *4.75* | *4.72* | *6.20* | **22.27** | *22.34* | *22.85* |
| Balancing Item [a] | **0.13** | **0.23** | **0.09** | **-0.29** | *0.12* | *0.17* | *-0.03* | *-0.31* | *-0.02* | *0.11* | *0.12* | *-0.26* | **0.16** | *-0.05* | *-0.04* |
| Total Primary Supply | **7.29** | **4.82** | **4.65** | **5.67** | *7.08* | *4.74* | *4.72* | *5.74* | *7.16* | *4.86* | *4.84* | *5.94* | **22.43** | *22.28* | *22.81* |
| **Demand** | | | | | | | | | | | | | | | |
| Residential | **2.42** | **0.74** | **0.37** | **1.35** | *2.32* | *0.78* | *0.38* | *1.45* | *2.38* | *0.80* | *0.38* | *1.48* | **4.88** | *4.93* | *5.05* |
| Commercial | **1.29** | **0.54** | **0.37** | **0.80** | *1.26* | *0.56* | *0.38* | *0.86* | *1.27* | *0.53* | *0.37* | *0.86* | **2.99** | *3.06* | *3.03* |
| Industrial | **2.27** | **2.04** | **2.04** | **2.18** | *2.17* | *1.94* | *1.96* | *2.06* | *2.15* | *2.04* | *2.08* | *2.18* | **8.52** | *8.13* | *8.45* |
| Lease and Plant Fuel | **0.28** | **0.28** | **0.28** | **0.28** | *0.28* | *0.27* | *0.27* | *0.28* | *0.28* | *0.28* | *0.28* | *0.28* | **1.12** | *1.10* | *1.12* |
| Other Industrial | **1.99** | **1.76** | **1.76** | **1.90** | *1.90* | *1.66* | *1.69* | *1.78* | *1.87* | *1.76* | *1.80* | *1.89* | **7.41** | *7.03* | *7.33* |
| CHP [b] | **0.29** | **0.28** | **0.31** | **0.28** | *0.27* | *0.27* | *0.31* | *0.27* | *0.27* | *0.28* | *0.31* | *0.27* | **1.16** | *1.12* | *1.13* |
| Non-CHP | **1.70** | **1.47** | **1.45** | **1.62** | *1.63* | *1.39* | *1.39* | *1.51* | *1.60* | *1.48* | *1.49* | *1.62* | **6.25** | *5.91* | *6.19* |
| Transportation [c] | **0.22** | **0.15** | **0.14** | **0.17** | *0.22* | *0.15* | *0.17* | *0.19* | *0.22* | *0.15* | *0.15* | *0.18* | **0.69** | *0.72* | *0.71* |
| Electric Power [d] | **1.09** | **1.36** | **1.73** | **1.18** | *1.11* | *1.31* | *1.83* | *1.19* | *1.13* | *1.34* | *1.86* | *1.24* | **5.35** | *5.44* | *5.58* |
| Total Demand | **7.29** | **4.82** | **4.65** | **5.67** | *7.08* | *4.74* | *4.72* | *5.74* | *7.16* | *4.86* | *4.84* | *5.94* | **22.43** | *22.28* | *22.81* |

[a] The balancing item represents the difference between the sum of the components of natural gas supply and the sum of components of natural gas demand.

[b] Natural gas used for electricity generation and production of useful thermal output by combined heat and power (CHP) plants at industrial facilities. Includes a small amount of natural gas consumption at electricity-only plants in the industrial sector.

[c] Pipeline fuel use plus natural gas used as vehicle fuel.

[d] Natural gas used for electricity generation and (a limited amount of) useful thermal output by electric utilities and independent power producers.

LNG = Liquefied natural gas

Notes: Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Natural Gas Monthly*, DOE/EIA-0130; *Electric Power Monthly*, DOE/EIA-0226. Projections: EIA, Short-Term Integrated Forecasting System database, and Office of Oil and Gas, Reserves and Production Division.

# Table 8b. U.S. Regional[a] Natural Gas Demand: Medium Recovery Case

(Billion Cubic Feet per Day)

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | 2004 | 2005 | 2006 |
| **Delivered to Consumers** | | | | | | | | | | | | | | | |
| **Residential** | | | | | | | | | | | | | | | |
| New England | 1.107 | 0.362 | 0.141 | 0.516 | 1.040 | 0.386 | 0.144 | 0.549 | 1.023 | 0.362 | 0.142 | 0.561 | 0.530 | 0.527 | 0.520 |
| Mid Atlantic | 4.937 | 1.619 | 0.657 | 2.392 | 4.899 | 1.579 | 0.632 | 2.559 | 4.854 | 1.689 | 0.633 | 2.580 | 2.396 | 2.406 | 2.428 |
| E. N. Central | 7.793 | 2.241 | 0.952 | 4.521 | 7.624 | 2.149 | 0.947 | 4.848 | 7.647 | 2.331 | 0.973 | 4.971 | 3.871 | 3.876 | 3.965 |
| W. N. Central | 2.537 | 0.666 | 0.307 | 1.276 | 2.406 | 0.673 | 0.311 | 1.452 | 2.530 | 0.723 | 0.329 | 1.506 | 1.194 | 1.205 | 1.266 |
| S. Atlantic | 2.642 | 0.671 | 0.344 | 1.345 | 2.422 | 0.674 | 0.380 | 1.434 | 2.426 | 0.650 | 0.349 | 1.489 | 1.248 | 1.223 | 1.224 |
| E. S. Central | 1.192 | 0.264 | 0.135 | 0.496 | 1.115 | 0.292 | 0.136 | 0.614 | 1.196 | 0.278 | 0.139 | 0.643 | 0.521 | 0.537 | 0.561 |
| W. S. Central | 1.904 | 0.510 | 0.312 | 0.886 | 1.830 | 0.563 | 0.312 | 1.005 | 1.977 | 0.550 | 0.328 | 1.041 | 0.901 | 0.924 | 0.970 |
| Mountain | 1.707 | 0.556 | 0.312 | 1.185 | 1.694 | 0.681 | 0.317 | 1.257 | 1.903 | 0.672 | 0.321 | 1.284 | 0.939 | 0.984 | 1.041 |
| Pacific | 2.793 | 1.242 | 0.856 | 2.033 | 2.781 | 1.572 | 0.921 | 2.011 | 2.921 | 1.490 | 0.954 | 2.047 | 1.730 | 1.817 | 1.848 |
| Total | 26.613 | 8.131 | 4.016 | 14.650 | 25.810 | 8.568 | 4.101 | 15.731 | 26.477 | 8.745 | 4.168 | 16.122 | 13.330 | 13.499 | 13.823 |
| **Commercial** | | | | | | | | | | | | | | | |
| New England | 0.630 | 0.257 | 0.135 | 0.335 | 0.641 | 0.277 | 0.136 | 0.350 | 0.621 | 0.270 | 0.137 | 0.350 | 0.339 | 0.350 | 0.343 |
| Mid Atlantic | 2.711 | 1.197 | 0.877 | 1.643 | 2.758 | 1.330 | 0.904 | 1.767 | 2.634 | 1.187 | 0.947 | 1.816 | 1.605 | 1.685 | 1.642 |
| E. N. Central | 3.613 | 1.184 | 0.631 | 2.146 | 3.621 | 1.176 | 0.659 | 2.350 | 3.654 | 1.136 | 0.643 | 2.369 | 1.891 | 1.944 | 1.943 |
| W. N. Central | 1.488 | 0.487 | 0.289 | 0.840 | 1.433 | 0.470 | 0.301 | 0.933 | 1.514 | 0.475 | 0.272 | 0.938 | 0.775 | 0.781 | 0.797 |
| S. Atlantic | 1.647 | 0.756 | 0.545 | 1.039 | 1.590 | 0.825 | 0.545 | 1.099 | 1.644 | 0.812 | 0.615 | 1.139 | 0.996 | 1.012 | 1.050 |
| E. S. Central | 0.699 | 0.241 | 0.162 | 0.347 | 0.655 | 0.260 | 0.169 | 0.407 | 0.716 | 0.249 | 0.162 | 0.399 | 0.362 | 0.372 | 0.380 |
| W. S. Central | 1.186 | 0.585 | 0.470 | 0.698 | 1.158 | 0.591 | 0.496 | 0.735 | 1.173 | 0.470 | 0.329 | 0.672 | 0.734 | 0.743 | 0.658 |
| Mountain | 0.937 | 0.412 | 0.252 | 0.646 | 0.920 | 0.444 | 0.257 | 0.672 | 0.968 | 0.413 | 0.223 | 0.660 | 0.561 | 0.572 | 0.564 |
| Pacific | 1.247 | 0.785 | 0.631 | 0.974 | 1.246 | 0.823 | 0.655 | 0.993 | 1.242 | 0.785 | 0.646 | 0.993 | 0.909 | 0.928 | 0.915 |
| Total | 14.158 | 5.905 | 3.993 | 8.670 | 14.021 | 6.197 | 4.123 | 9.306 | 14.165 | 5.798 | 3.974 | 9.337 | 8.172 | 8.387 | 8.293 |
| **Industrial** | | | | | | | | | | | | | | | |
| New England | 0.446 | 0.338 | 0.213 | 0.367 | 0.436 | 0.308 | 0.247 | 0.327 | 0.376 | 0.309 | 0.253 | 0.336 | 0.341 | 0.329 | 0.318 |
| Mid Atlantic | 1.172 | 0.941 | 0.840 | 1.004 | 1.197 | 0.934 | 0.850 | 0.949 | 1.116 | 0.940 | 0.885 | 0.990 | 0.989 | 0.982 | 0.982 |
| E. N. Central | 4.052 | 2.850 | 2.581 | 3.278 | 3.933 | 2.899 | 2.528 | 3.193 | 3.917 | 2.976 | 2.645 | 3.338 | 3.189 | 3.134 | 3.216 |
| W. N. Central | 1.259 | 1.038 | 1.045 | 1.250 | 1.293 | 0.995 | 1.013 | 1.155 | 1.251 | 1.078 | 1.057 | 1.180 | 1.148 | 1.113 | 1.141 |
| S. Atlantic | 1.660 | 1.471 | 1.403 | 1.520 | 1.685 | 1.453 | 1.314 | 1.205 | 1.385 | 1.409 | 1.423 | 1.438 | 1.513 | 1.412 | 1.414 |
| E. S. Central | 1.420 | 1.271 | 1.208 | 1.329 | 1.422 | 1.219 | 1.195 | 1.225 | 1.271 | 1.212 | 1.185 | 1.293 | 1.307 | 1.265 | 1.240 |
| W. S. Central | 8.105 | 7.742 | 8.078 | 7.987 | 7.218 | 6.778 | 7.363 | 7.381 | 7.498 | 7.559 | 7.893 | 7.758 | 7.978 | 7.186 | 7.678 |
| Mountain | 0.818 | 0.694 | 0.651 | 0.803 | 0.862 | 0.747 | 0.720 | 0.807 | 0.859 | 0.760 | 0.746 | 0.828 | 0.741 | 0.784 | 0.798 |
| Pacific | 2.952 | 2.981 | 3.102 | 3.104 | 3.040 | 2.924 | 3.179 | 3.118 | 3.109 | 3.143 | 3.451 | 3.419 | 3.035 | 3.066 | 3.282 |
| Total | 21.884 | 19.325 | 19.121 | 20.642 | 21.085 | 18.257 | 18.408 | 19.359 | 20.782 | 19.385 | 19.538 | 20.579 | 20.241 | 19.270 | 20.069 |
| **Total to Consumers** | | | | | | | | | | | | | | | |
| New England | 2.183 | 0.957 | 0.489 | 1.218 | 2.117 | 0.972 | 0.527 | 1.227 | 2.020 | 0.941 | 0.533 | 1.247 | 1.210 | 1.206 | 1.181 |
| Mid Atlantic | 8.820 | 3.756 | 2.374 | 5.039 | 8.854 | 3.844 | 2.386 | 5.276 | 8.604 | 3.817 | 2.465 | 5.386 | 4.990 | 5.073 | 5.052 |
| E. N. Central | 15.458 | 6.274 | 4.165 | 9.944 | 15.177 | 6.223 | 4.134 | 10.390 | 15.217 | 6.442 | 4.260 | 10.678 | 8.950 | 8.955 | 9.124 |
| W. N. Central | 5.285 | 2.191 | 1.641 | 3.366 | 5.132 | 2.137 | 1.625 | 3.540 | 5.294 | 2.276 | 1.658 | 3.624 | 3.117 | 3.100 | 3.204 |
| S. Atlantic | 5.949 | 2.899 | 2.293 | 3.904 | 5.697 | 2.952 | 2.238 | 3.738 | 5.456 | 2.871 | 2.388 | 4.066 | 3.758 | 3.647 | 3.688 |
| E. S. Central | 3.311 | 1.776 | 1.505 | 2.173 | 3.191 | 1.771 | 1.501 | 2.246 | 3.183 | 1.739 | 1.486 | 2.335 | 2.189 | 2.173 | 2.182 |
| W. S. Central | 11.196 | 8.837 | 8.860 | 9.571 | 10.205 | 7.932 | 8.172 | 9.121 | 10.648 | 8.578 | 8.550 | 9.471 | 9.614 | 8.852 | 9.306 |
| Mountain | 3.461 | 1.661 | 1.216 | 2.635 | 3.476 | 1.873 | 1.295 | 2.736 | 3.730 | 1.846 | 1.289 | 2.772 | 2.242 | 2.340 | 2.404 |
| Pacific | 6.993 | 5.009 | 4.589 | 6.111 | 7.068 | 5.319 | 4.755 | 6.122 | 7.271 | 5.418 | 5.051 | 6.459 | 5.674 | 5.810 | 6.045 |
| Total | 62.656 | 33.360 | 27.131 | 43.962 | 60.917 | 33.022 | #### | 44.396 | 61.423 | 33.928 | 27.680 | 46.039 | 41.743 | 41.157 | 42.185 |

[a] Regions refer to U.S. Census Divisions. A complete list of states comprising each Census Division is provided in EIA's Energy Glossary (http://www.eia.doe.gov/glossary_main_page.htm) under the letter "C."

Notes: Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; estimates and forecasts are in italics

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Natural Gas Monthly*, DOE/EIA-0130; *Electric Power Monthly*, DOE/EIA-0226. The forecasts were generated by simulation of the Regional Short-Term Energy Model.

# Table 8c. U.S. Regional[a] Natural Gas Prices: Medium Recovery Case

(Dollars per Thousand Cubic Feet, Except Where noted)

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | 2004 | 2005 | 2006 |
| **Delivered to Consumers** | | | | | | | | | | | | | | | |
| **Residential** | | | | | | | | | | | | | | | |
| New England | **12.95** | **14.06** | **16.74** | **14.50** | **14.21** | *14.71* | *18.60* | *19.70* | *21.57* | *20.78* | *19.27* | *15.68* | **13.77** | *16.04* | *19.67* |
| Mid Atlantic | **11.21** | **12.48** | **15.88** | **12.90** | **12.33** | *13.66* | *17.28* | *15.98* | *17.30* | *19.28* | *20.01* | *14.90* | **12.17** | *13.85* | *17.18* |
| E. N. Central | **8.70** | **10.13** | **12.60** | **10.06** | **9.76** | *11.88* | *14.22* | *15.94* | *16.17* | *14.90* | *14.17* | *11.65* | **9.55** | *12.28* | *14.43* |
| W. N. Central | **9.08** | **10.93** | **13.14** | **10.83** | **10.07** | *11.93* | *14.95* | *16.55* | *15.43* | *14.58* | *14.56* | *12.31* | **10.07** | *12.61* | *14.32* |
| S. Atlantic | **11.63** | **14.98** | **18.77** | **13.83** | **13.02** | *15.77* | *20.49* | *19.48* | *18.84* | *19.50* | *20.39* | *15.64* | **13.17** | *15.89* | *18.06* |
| E. S. Central | **10.12** | **12.27** | **15.10** | **12.47** | **11.94** | *13.50* | *16.93* | *19.35* | *18.03* | *17.12* | *16.41* | *14.41* | **11.28** | *14.61* | *16.77* |
| W. S. Central | **9.07** | **12.33** | **14.69** | **11.70** | **10.37** | *12.98* | *16.52* | *17.26* | *16.27* | *16.14* | *16.15* | *13.19* | **10.67** | *13.18* | *15.41* |
| Mountain | **8.20** | **9.85** | **11.61** | **9.39** | **9.55** | *10.73* | *12.93* | *11.33* | *12.47* | *14.51* | *15.99* | *12.43* | **9.10** | *10.60* | *13.06* |
| Pacific | **9.50** | **9.28** | **10.22** | **10.55** | **10.69** | *10.97* | *11.07* | *14.08* | *14.48* | *13.32* | *12.04* | *12.18* | **9.86** | *11.74* | *13.28* |
| Total | **9.81** | **11.30** | **13.51** | **11.29** | **10.99** | *12.52* | *14.94* | *16.07* | *16.40* | *16.16* | *15.67* | *13.08* | **10.73** | *13.02* | *15.33* |
| **Commercial** | | | | | | | | | | | | | | | |
| New England | **11.59** | **11.26** | **10.95** | **12.24** | **12.56** | *12.64* | *12.26* | *15.13* | *17.16* | *16.31* | *13.39* | *13.22* | **11.63** | *13.20* | *15.60* |
| Mid Atlantic | **10.18** | **9.73** | **10.07** | **11.05** | **11.15** | *11.16* | *12.14* | *14.41* | *17.06* | *17.49* | *15.05* | *13.42* | **10.30** | *12.15* | *15.83* |
| E. N. Central | **8.21** | **9.02** | **10.01** | **9.40** | **8.92** | *10.17* | *11.28* | *14.24* | *14.14* | *12.86* | *11.17* | *10.53* | **8.82** | *10.93* | *12.60* |
| W. N. Central | **8.47** | **9.15** | **9.65** | **9.44** | **9.39** | *9.98* | *11.46* | *15.91* | *14.73* | *12.86* | *10.70* | *10.93* | **8.95** | *11.64* | *12.98* |
| S. Atlantic | **9.92** | **10.50** | **10.88** | **11.17** | **11.00** | *11.53* | *12.18* | *15.44* | *15.74* | *14.24* | *12.27* | *12.18* | **10.49** | *12.48* | *13.96* |
| E. S. Central | **9.20** | **9.55** | **10.25** | **10.87** | **10.05** | *10.57* | *11.72* | *16.29* | *16.84* | *14.53* | *11.78* | *11.87* | **9.78** | *12.05* | *14.60* |
| W. S. Central | **8.13** | **8.67** | **8.82** | **9.79** | **9.19** | *9.62* | *10.49* | *14.35* | *14.19* | *12.20* | *10.31* | *10.62* | **8.75** | *10.78* | *12.43* |
| Mountain | **7.23** | **7.81** | **8.49** | **8.25** | **8.53** | *8.99* | *9.86* | *10.89* | *11.69* | *12.50* | *12.29* | *11.09* | **7.77** | *9.47* | *11.72* |
| Pacific | **8.51** | **7.79** | **8.16** | **9.21** | **9.62** | *9.38* | *8.93* | *12.27* | *13.60* | *11.85* | *9.97* | *10.55* | **8.48** | *10.16* | *11.75* |
| Total | **8.97** | **9.20** | **9.63** | **10.02** | **9.92** | *10.43* | *11.09* | *14.26* | *14.99* | *14.02* | *12.13* | *11.54* | **9.37** | *11.37* | *13.50* |
| **Industrial** | | | | | | | | | | | | | | | |
| New England | **10.75** | **10.70** | **10.27** | **11.71** | **11.60** | *11.35* | *12.33* | *16.63* | *16.64* | *13.97* | *11.99* | *13.50* | **10.92** | *12.94* | *14.23* |
| Mid Atlantic | **9.20** | **8.26** | **8.27** | **9.73** | **10.37** | *9.75* | *10.88* | *15.00* | *14.17* | *11.04* | *9.42* | *11.31* | **8.91** | *11.46* | *11.62* |
| E. N. Central | **8.32** | **8.40** | **7.89** | **8.31** | **8.66** | *9.71* | *10.11* | *13.16* | *12.18* | *10.40* | *9.16* | *9.80* | **8.25** | *10.35* | *10.52* |
| W. N. Central | **7.05** | **6.94** | **7.03** | **7.66** | **8.00** | *7.81* | *9.14* | *13.50* | *12.44* | *9.79* | *8.05* | *9.31* | **7.19** | *9.66* | *9.97* |
| S. Atlantic | **7.73** | **7.69** | **7.86** | **8.45** | **8.73** | *8.69* | *10.07* | *13.99* | *12.62* | *10.14* | *8.91* | *10.13* | **7.93** | *10.17* | *10.42* |
| E. S. Central | **7.13** | **6.73** | **6.71** | **7.40** | **7.69** | *7.79* | *9.23* | *12.93* | *11.37* | *8.85* | *7.68* | *9.01* | **7.00** | *9.36* | *9.25* |
| W. S. Central | **5.87** | **6.38** | **6.03** | **6.92** | **6.65** | *7.00* | *9.02* | *12.53* | *10.68* | *8.15* | *7.09* | *8.54* | **6.30** | *8.87* | *8.58* |
| Mountain | **7.50** | **6.76** | **6.82** | **8.06** | **8.31** | *7.94* | *7.96* | *10.02* | *12.01* | *10.92* | *9.83* | *9.94* | **7.33** | *8.58* | *10.70* |
| Pacific | **7.58** | **6.72** | **7.10** | **8.08** | **8.66** | *8.03* | *7.91* | *10.69* | *11.78* | *10.24* | *8.88* | *9.52* | **7.37** | *8.84* | *10.05* |
| Total | **7.19** | **7.06** | **6.86** | **7.77** | **8.01** | *8.08* | *9.16* | *12.60* | *11.75* | *9.45* | *8.18* | *9.36* | **7.23** | *9.47* | *9.70* |
| **Citygate** | | | | | | | | | | | | | | | |
| New England | **7.21** | **8.16** | **8.03** | **8.59** | **7.97** | *9.20* | *11.40* | *13.23* | *11.84* | *10.48* | *9.69* | *10.33* | **7.78** | *9.84* | *11.01* |
| Mid Atlantic | **6.83** | **6.85** | **6.87** | **7.75** | **7.66** | *8.07* | *9.06* | *11.89* | *12.16* | *9.48* | *8.24* | *9.49* | **7.07** | *8.99* | *10.58* |
| E. N. Central | **6.43** | **7.10** | **6.61** | **7.13** | **7.20** | *7.12* | *9.12* | *12.16* | *11.42* | *9.46* | *7.88* | *8.99* | **6.74** | *8.87* | *10.13* |
| W. N. Central | **6.37** | **6.80** | **7.17** | **7.61** | **7.36** | *8.24* | *10.02* | *12.21* | *10.97* | *9.33* | *8.35* | *9.20* | **6.83** | *9.16* | *10.01* |
| S. Atlantic | **6.49** | **6.64** | **6.51** | **7.58** | **7.37** | *7.79* | *9.44* | *12.49* | *11.55* | *9.57* | *8.25* | *9.55* | **6.81** | *9.12* | *10.29* |
| E. S. Central | **6.54** | **6.72** | **6.68** | **7.48** | **7.10** | *7.59* | *9.02* | *12.23* | *11.29* | *9.11* | *7.75* | *9.15* | **6.80** | *8.79* | *10.10* |
| W. S. Central | **6.05** | **6.19** | **6.12** | **7.20** | **6.74** | *6.96* | *8.61* | *11.55* | *10.73* | *8.48* | *7.34* | *8.53* | **6.36** | *8.27* | *9.45* |
| Mountain | **5.53** | **5.38** | **4.92** | **6.13** | **5.91** | *6.32* | *6.99* | *9.04* | *8.88* | *7.76* | *6.81* | *7.82* | **5.63** | *7.06* | *8.19* |
| Pacific | **5.45** | **5.72** | **5.97** | **6.61** | **6.21** | *6.93* | *7.16* | *10.11* | *10.44* | *8.77* | *7.65* | *7.99* | **5.91** | *7.58* | *9.01* |
| Total | **6.32** | **6.62** | **6.54** | **7.34** | **7.06** | *7.58* | *8.98* | *11.65* | *11.03* | *9.16* | *7.99* | *9.01* | **6.66** | *8.63* | *9.86* |
| **Selected Spot ($/mmBtu)** | | | | | | | | | | | | | | | |
| Henry Hub | **5.64** | **6.11** | **5.50** | **6.35** | **6.43** | *6.93* | *9.80* | *11.16* | *9.73* | *7.31* | *6.99* | *8.66* | **5.90** | *8.60* | *8.17* |
| Transco Z6 New York | **8.58** | **6.61** | **5.90** | **7.03** | **9.10** | *7.46* | *10.33* | *11.85* | *12.44* | *7.70* | *7.58* | *10.01* | **7.03** | *9.69* | *9.42* |
| El Paso San Juan(Arizona) | **5.03** | **5.34** | **4.93** | **5.66** | **5.73** | *5.90* | *8.22* | *9.68* | *8.55* | *6.43* | *6.06* | *7.55* | **5.24** | *7.40* | *7.14* |
| Southern California Border | **5.24** | **5.73** | **5.28** | **6.03** | **6.01** | *6.25* | *8.94* | *10.61* | *9.14* | *6.73* | *6.44* | *8.24* | **5.57** | *7.97* | *7.63* |
| Northern California Border | **5.15** | **5.47** | **5.12** | **5.87** | **5.95** | *6.18* | *9.03* | *11.03* | *9.70* | *6.75* | *6.37* | *8.34* | **5.40** | *8.06* | *7.78* |
| AECO Storage Hub(Alberta) | **5.80** | **6.32** | **5.61** | **6.02** | **6.19** | *6.63* | *9.15* | *10.61* | *9.24* | *7.12* | *6.93* | *8.39* | **5.94** | *8.16* | *7.91* |

[a] Regions refer to U.S. Census Divisions. A complete list of states comprising each Census Division is provided in EIA's Energy Glossary (http:/www.eia.doe.gov/glossary_main_page.htm) under the letter "C".

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Natural Gas Monthly*, DOE/EIA-0130. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

# Table 9. U.S. Coal Supply and Demand: Medium Recovery Case

(Million Short Tons)

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2004 | 2005 | 2006 |
| **Supply** | | | | | | | | | | | | | | | |
| Production | **275.5** | **274.2** | **281.4** | **280.4** | *283.4* | *273.7* | *284.6* | *290.6* | *296.0* | *268.0* | *291.9* | *298.5* | **1111.5** | *1132.2* | *1154.4* |
| Appalachia | **98.9** | **97.8** | **95.7** | **97.7** | *98.7* | *96.7* | *94.7* | *97.6* | *103.0* | *91.9* | *93.9* | *101.0* | **390.1** | *387.6* | *389.9* |
| Interior | **36.4** | **36.1** | **38.1** | **35.6** | *37.0* | *35.6* | *37.5* | *37.2* | *37.2* | *35.2* | *37.9* | *39.0* | **146.2** | *147.3* | *149.4* |
| Western | **140.2** | **140.2** | **147.7** | **147.1** | *147.7* | *141.5* | *152.4* | *155.8* | *155.8* | *140.8* | *160.0* | *158.5* | **575.2** | *597.3* | *615.1* |
| Primary Stock Levels [a] | | | | | | | | | | | | | | | |
| Opening | **38.3** | **36.6** | **35.3** | **31.9** | *34.4* | *34.9* | *35.9* | *33.6* | *34.6* | *35.1* | *35.3* | *33.2* | **38.3** | *34.4* | *34.6* |
| Closing | **36.6** | **35.3** | **31.9** | **34.4** | *34.9* | *35.9* | *33.6* | *34.6* | *35.1* | *35.3* | *33.2* | *35.1* | **34.4** | *34.6* | *35.1* |
| Net Withdrawals | **1.7** | **1.3** | **3.4** | **-2.4** | *-0.5* | *-1.1* | *2.3* | *-0.9* | *-0.5* | *-0.2* | *2.1* | *-1.9* | **3.9** | *-0.2* | *-0.5* |
| Imports | **5.3** | **6.9** | **7.8** | **7.3** | *7.6* | *7.2* | *8.8* | *9.0* | *7.0* | *9.0* | *10.3* | *9.8* | **27.3** | *32.6* | *36.1* |
| Exports | **9.7** | **15.3** | **12.2** | **10.9** | *10.1* | *14.8* | *13.0* | *11.9* | *10.9* | *14.0* | *15.1* | *11.4* | **48.0** | *49.9* | *51.3* |
| Total Net Supply | **272.8** | **267.1** | **280.4** | **274.4** | *280.3* | *265.0* | *282.7* | *286.7* | *291.5* | *262.9* | *289.3* | *295.0* | **1094.7** | *1114.8* | *1138.7* |
| Secondary Stock Levels [b] | | | | | | | | | | | | | | | |
| Opening | **127.2** | **118.4** | **126.3** | **113.0** | *112.9* | *111.9* | *119.2* | *102.2* | *105.0* | *114.4* | *118.9* | *104.2* | **127.2** | *112.9* | *105.0* |
| Closing | **118.4** | **126.3** | **113.0** | **112.9** | *111.9* | *119.2* | *102.2* | *105.0* | *114.4* | *118.9* | *104.2* | *113.6* | **112.9** | *105.0* | *113.6* |
| Net Withdrawals | **8.8** | **-7.9** | **13.4** | **0.1** | *0.9* | *-7.3* | *17.0* | *-2.8* | *-9.4* | *-4.6* | *14.7* | *-9.4* | **14.3** | *7.9* | *-8.6* |
| Waste Coal to IPPs [c] | **2.9** | **2.9** | **2.9** | **3.8** | *3.8* | *3.8* | *3.7* | *3.8* | *3.8* | *3.8* | *3.7* | *3.8* | **12.5** | *15.1* | *15.1* |
| Total Supply | **284.5** | **262.1** | **296.6** | **278.3** | *285.1* | *261.5* | *303.4* | *287.7* | *286.0* | *262.1* | *307.8* | *289.4* | **1121.5** | *1137.8* | *1145.2* |
| **Demand** | | | | | | | | | | | | | | | |
| Coke Plants | **5.9** | **5.9** | **5.9** | **5.9** | *5.6* | *6.5* | *6.7* | *6.2* | *6.5* | *6.5* | *6.8* | *6.3* | **23.7** | *25.0* | *26.1* |
| Electric Power Sector [d] | **252.0** | **238.9** | **270.9** | **253.4** | *255.9* | *238.9* | *288.8* | *262.6* | *261.0* | *239.8* | *284.7* | *264.8* | **1015.1** | *1046.2* | *1050.2* |
| Retail and Oth. Industry | **17.4** | **15.5** | **15.5** | **17.1** | *16.7* | *16.5* | *17.1* | *18.9* | *18.4* | *15.8* | *16.3* | *18.3* | **65.5** | *69.2* | *68.9* |
| Total Demand [e] | **275.3** | **260.3** | **292.2** | **276.4** | *278.2* | *262.0* | *312.5* | *287.7* | *286.0* | *262.1* | *307.8* | *289.4* | **1104.3** | *1140.4* | *1145.2* |
| Discrepancy [f] | **9.1** | **1.8** | **4.4** | **1.8** | *6.9* | *-0.4* | *-9.1* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | **17.2** | *-2.7* | *0.0* |

[a] Primary stocks are held at the mines, preparation plants, and distribution points.

[b] Secondary stocks are held by users. It includes an estimate of stocks held at utility plants sold to nonutility generators.

[c] Estimated independent power producers' (IPPs) consumption of waste coal. This item includes waste coal and coal slurry reprocessed into briquettes.

[d] Coal used for electricity generation and (a limited amount of) useful thermal output by electric utilities and independent power producers.

[e] Total Demand includes estimated IPP consumption.

[f] The discrepancy reflects an unaccounted-for shipper and receiver reporting difference, assumed to be zero in the forecast period.

Notes: Totals may not add due to independent rounding. Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Quarterly Coal Report*, DOE/EIA-0121, and *Electric Power Monthly*, DOE/EIA-0226. Projections: EIA, Short-Term Integrated Forecasting System database, and Office of Coal, Nuclear, Electric and Alternate Fuels (coal production).

## Table 10a. U.S. Electricity Supply and Demand: Medium Recovery Case

(Billion Kilowatthours)

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2004 | 2005 | 2006 |
| Net Electricity Generation | | | | | | | | | | | | | | | |
| Electric Power Sector [a] | | | | | | | | | | | | | | | |
| Coal | **490.0** | **461.4** | **518.1** | **484.5** | *491.6* | *459.2* | *553.6* | *502.1* | *501.1* | *461.1* | *545.9* | *506.2* | **1954.0** | *2006.4* | *2014.2* |
| Petroleum | **31.8** | **28.1** | **29.9** | **22.7** | *25.6* | *21.5* | *33.5* | *28.0* | *30.9* | *19.7* | *29.6* | *22.1* | **112.5** | *108.6* | *102.3* |
| Natural Gas | **125.8** | **156.4** | **200.4** | **136.0** | *129.5* | *152.1* | *216.6* | *139.9* | *135.2* | *159.4* | *224.4* | *149.4* | **618.6** | *638.1* | *668.3* |
| Nuclear | **198.2** | **191.3** | **209.0** | **190.1** | *192.3* | *185.3* | *207.0* | *192.5* | *197.4* | *193.4* | *208.1* | *193.2* | **788.5** | *777.1* | *792.1* |
| Hydroelectric | **63.9** | **67.3** | **62.1** | **63.3** | *65.9* | *73.5* | *69.6* | *55.3* | *69.7* | *83.1* | *69.8* | *67.7* | **256.6** | *264.3* | *290.3* |
| Other [b] | **15.1** | **16.6** | **16.2** | **15.5** | *15.1* | *18.3* | *21.0* | *19.7* | *19.9* | *21.9* | *22.0* | *20.8* | **63.5** | *74.1* | *84.6* |
| Subtotal | **924.9** | **921.0** | **1035.8** | **912.0** | *920.0* | *909.9* | *1101.3* | *937.5* | *954.2* | *938.6* | *1099.8* | *959.4* | **3793.6** | *3868.7* | *3951.9* |
| Other Sectors [c] | **40.0** | **39.4** | **41.7** | **38.7** | *39.4* | *39.3* | *43.0* | *39.9* | *39.4* | *39.8* | *42.6* | *40.9* | **159.8** | *161.7* | *162.6* |
| Total Generation | **964.9** | **960.5** | **1077.4** | **950.6** | *959.4* | *949.2* | *1144.3* | *977.4* | *993.5* | *978.3* | *1142.4* | *1000.3* | **3953.4** | *4030.4* | *4114.6* |
| Net Imports | **-0.9** | **0.8** | **7.3** | **4.1** | *5.5* | *4.8* | *6.1* | *5.5* | *4.5* | *2.8* | *5.3* | *3.4* | **11.3** | *22.0* | *15.9* |
| Total Supply | **964.0** | **961.3** | **1084.7** | **954.8** | *964.9* | *954.0* | *1150.4* | *983.0* | *998.0* | *981.1* | *1147.7* | *1003.7* | **3964.7** | *4052.3* | *4130.5* |
| Losses and Unaccounted for [d] | **47.1** | **67.4** | **63.3** | **59.9** | *41.1* | *62.4* | *67.5* | *61.7* | *42.5* | *64.3* | *67.3* | *63.0* | **237.8** | *232.7* | *237.2* |
| Demand | | | | | | | | | | | | | | | |
| Retail Sales [e] | | | | | | | | | | | | | | | |
| Residential | **339.1** | **288.5** | **369.2** | **296.7** | *337.1* | *286.7* | *412.4* | *306.4* | *356.8* | *298.1* | *405.2* | *314.3* | **1293.4** | *1342.6* | *1374.5* |
| Commercial [f] | **288.3** | **301.5** | **339.7** | **299.0** | *293.6* | *303.5* | *357.5* | *307.9* | *300.0* | *311.7* | *358.7* | *314.6* | **1228.5** | *1262.4* | *1285.0* |
| Industrial | **243.4** | **258.5** | **264.5** | **254.5** | *247.4* | *256.1* | *263.4* | *260.7* | *252.8* | *260.9* | *267.0* | *264.2* | **1020.9** | *1027.6* | *1044.9* |
| Transportation [g] | **1.9** | **1.8** | **2.0** | **1.9** | *2.2* | *1.9* | *2.2* | *2.1* | *2.4* | *2.2* | *2.4* | *2.4* | **7.7** | *8.5* | *9.3* |
| Subtotal | **872.7** | **850.3** | **975.4** | **852.1** | *880.3* | *848.2* | *1035.5* | *877.1* | *912.0* | *873.0* | *1033.4* | *895.5* | **3550.5** | *3641.1* | *3713.8* |
| Other Use/Sales [h] | **44.2** | **43.5** | **46.0** | **42.7** | *43.5* | *43.4* | *47.5* | *44.1* | *43.5* | *43.9* | *47.0* | *45.2* | **176.4** | *178.5* | *179.5* |
| Total Demand | **916.9** | **893.9** | **1021.3** | **894.8** | *923.8* | *891.6* | *1083.0* | *921.2* | *955.5* | *916.9* | *1080.4* | *940.6* | **3726.9** | *3819.6* | *3893.3* |

[a] Electric utilities and independent power producers.

[b] "Other" includes generation from other gaseous fuels, geothermal, wind, wood, waste, and solar sources.

[c] Electricity generation from combined heat and power (CHP) facilities and electricity-only plants in the industrial and commercial sectors.

[d] Balancing item, mainly transmission and distribution losses.

[e] Total of retail electricity sales by electric utilities and power marketers.

[f] Commercial sector, including public street and highway lighting, interdepartmental sales and other sales to public authorities. These items, along with transportation sector; electricity were formerly included in an "other" category, which is no longer provided. (See EIA 's *Monthly Energy Review,* Table 7.5, for a comparison of "Old Basis" and "New Basis" electricity retail sales.) Through 2003, data are estimated as the sum of "Old Basis Commercial" and approximately 95 percent of "Old Basis Other"; beginning in 2004, data are actual survey data.

[g] Transportation sector, including sales to railroads and railways. Through 2003, data are estimated as approximately 5 percent of "Old Basis Other"; beginning in 2004, data are actual survey data.

[h] Defined as the sum of facility use of onsite net electricity generation plus direct sales of power by industrial- or commercial-sector generators to third parties, reported annually in Table 7.5 of the *Monthly Energy Review (MER*). Data for 2003 are estimates.

Notes: Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Electric Power Annual,* DOE/EIA-0226 and *Electric Power Monthly*, DOE/EIA-0226. Projections: EIA, Short-Term Integrated Forecasting System database, and Office of Coal, Nuclear, Electric and Alternate Fuels (hydroelectric and nuclear).

# Table 10b. U.S. Regional[a] Electricity Retail Sales: Medium Recovery Case

(Megawatthours per Day)

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | 2004 | 2005 | 2006 |
| **Retail Sales [b]** | | | | | | | | | | | | | | | |
| **Residential** | | | | | | | | | | | | | | | |
| New England | 142.0 | 113.4 | 131.0 | 125.3 | 141.3 | 116.7 | 144.9 | 128.8 | 144.3 | 117.1 | 141.7 | 131.6 | 127.9 | 132.9 | 133.7 |
| Mid Atlantic | 373.8 | 305.5 | 378.6 | 315.0 | 375.6 | 305.3 | 448.4 | 345.0 | 417.3 | 336.1 | 430.7 | 356.4 | 343.2 | 368.7 | 385.1 |
| E. N. Central | 533.5 | 419.9 | 512.8 | 449.5 | 538.2 | 421.9 | 581.4 | 439.4 | 534.4 | 417.9 | 527.1 | 438.3 | 478.9 | 495.2 | 479.3 |
| W. N. Central | 278.2 | 220.4 | 278.9 | 236.0 | 277.1 | 229.2 | 330.0 | 238.9 | 288.3 | 232.2 | 318.7 | 243.5 | 253.4 | 268.8 | 270.7 |
| S. Atlantic | 958.7 | 820.3 | 1033.7 | 800.6 | 962.2 | 792.6 | 1132.4 | 844.5 | 1031.7 | 841.8 | 1157.1 | 873.5 | 903.4 | 933.2 | 976.1 |
| E. S. Central | 338.8 | 274.9 | 354.5 | 263.0 | 334.1 | 262.7 | 388.9 | 273.1 | 360.1 | 281.4 | 380.8 | 281.7 | 307.8 | 314.7 | 326.0 |
| W. S. Central | 457.5 | 467.7 | 656.2 | 446.5 | 461.6 | 468.0 | 754.5 | 454.5 | 500.2 | 478.9 | 733.3 | 466.4 | 507.2 | 535.2 | 545.1 |
| Mountain | 215.1 | 202.4 | 273.3 | 204.8 | 215.4 | 207.2 | 303.9 | 221.9 | 240.0 | 215.7 | 305.3 | 232.2 | 224.0 | 237.3 | 248.4 |
| Pacific Contig | 413.4 | 332.1 | 379.8 | 369.8 | 424.7 | 333.2 | 384.5 | 370.0 | 433.1 | 341.3 | 396.1 | 378.5 | 373.8 | 378.0 | 387.1 |
| AK and HI | 15.1 | 13.5 | 13.8 | 14.9 | 15.2 | 13.5 | 13.9 | 14.8 | 15.4 | 13.8 | 13.9 | 14.7 | 14.3 | 14.3 | 14.4 |
| Total | 3726.2 | 3170.0 | 4012.7 | 3225.3 | 3745.5 | 3150.3 | 4482.7 | 3330.9 | 3964.7 | 3276.2 | 4404.7 | 3416.6 | 3534.0 | 3678.4 | 3765.8 |
| **Commercial [c]** | | | | | | | | | | | | | | | |
| New England | 144.9 | 139.4 | 152.4 | 140.4 | 145.8 | 141.2 | 160.0 | 141.8 | 147.6 | 141.7 | 157.2 | 142.8 | 144.2 | 147.2 | 147.4 |
| Mid Atlantic | 426.8 | 420.0 | 459.6 | 404.3 | 436.3 | 415.1 | 483.3 | 414.9 | 442.5 | 419.5 | 474.9 | 422.1 | 427.7 | 437.5 | 439.8 |
| E. N. Central | 463.7 | 462.2 | 507.7 | 458.3 | 471.1 | 474.1 | 561.5 | 485.2 | 485.9 | 502.1 | 536.3 | 478.3 | 473.0 | 498.2 | 500.7 |
| W. N. Central | 230.5 | 231.8 | 257.6 | 231.9 | 239.3 | 245.8 | 285.9 | 234.6 | 232.9 | 239.0 | 284.0 | 241.0 | 238.0 | 251.5 | 249.3 |
| S. Atlantic | 692.4 | 744.0 | 826.0 | 716.1 | 710.0 | 726.8 | 855.3 | 742.7 | 742.8 | 769.8 | 884.2 | 771.1 | 744.8 | 759.0 | 792.3 |
| E. S. Central | 204.5 | 220.1 | 248.7 | 211.4 | 206.8 | 214.2 | 256.8 | 222.6 | 220.6 | 228.5 | 263.7 | 235.0 | 221.2 | 225.2 | 237.1 |
| W. S. Central | 369.2 | 420.5 | 499.7 | 408.8 | 393.7 | 440.7 | 518.9 | 426.8 | 407.5 | 444.2 | 533.0 | 447.3 | 424.7 | 445.3 | 458.3 |
| Mountain | 209.9 | 232.2 | 251.1 | 217.6 | 219.0 | 236.1 | 269.8 | 220.4 | 218.5 | 234.6 | 271.0 | 226.4 | 227.7 | 236.4 | 237.8 |
| Pacific Contig | 410.1 | 427.6 | 473.1 | 444.4 | 423.5 | 425.4 | 477.9 | 441.7 | 419.1 | 430.2 | 479.5 | 440.2 | 438.9 | 442.3 | 442.4 |
| AK and HI | 15.8 | 15.9 | 16.7 | 16.5 | 16.5 | 16.1 | 16.0 | 15.9 | 15.9 | 15.6 | 15.5 | 15.5 | 16.2 | 16.1 | 15.6 |
| Total | 3167.9 | 3313.5 | 3692.6 | 3249.7 | 3262.0 | 3335.2 | 3885.4 | 3346.7 | 3333.2 | 3425.3 | 3899.3 | 3419.7 | 3356.6 | 3458.7 | 3520.7 |
| **Industrial** | | | | | | | | | | | | | | | |
| New England | 62.5 | 63.8 | 67.9 | 62.9 | 61.4 | 61.8 | 64.3 | 62.0 | 60.6 | 61.0 | 61.6 | 59.4 | 64.3 | 62.4 | 60.6 |
| Mid Atlantic | 207.4 | 218.0 | 221.5 | 211.2 | 209.4 | 209.6 | 218.6 | 211.7 | 209.7 | 211.5 | 217.9 | 213.4 | 214.5 | 212.4 | 213.2 |
| E. N. Central | 558.1 | 586.1 | 584.8 | 574.9 | 567.1 | 572.7 | 571.8 | 564.0 | 562.0 | 569.0 | 568.7 | 555.8 | 576.0 | 568.9 | 563.9 |
| W. N. Central | 211.0 | 222.3 | 228.8 | 219.0 | 211.1 | 222.0 | 231.7 | 221.4 | 221.8 | 231.6 | 241.0 | 227.7 | 220.3 | 221.6 | 230.6 |
| S. Atlantic | 453.9 | 485.0 | 493.2 | 466.9 | 456.6 | 470.5 | 483.7 | 474.8 | 458.6 | 471.4 | 479.4 | 466.1 | 474.8 | 471.5 | 468.9 |
| E. S. Central | 341.0 | 355.0 | 339.9 | 351.1 | 352.5 | 352.0 | 342.7 | 361.7 | 361.9 | 360.1 | 348.6 | 364.1 | 346.7 | 352.2 | 358.6 |
| W. S. Central | 436.0 | 459.6 | 465.6 | 449.0 | 459.0 | 480.1 | 478.1 | 459.9 | 458.6 | 478.5 | 485.5 | 482.9 | 452.6 | 469.3 | 476.5 |
| Mountain | 179.3 | 200.0 | 209.9 | 189.1 | 186.6 | 192.6 | 209.4 | 217.3 | 212.8 | 215.0 | 223.7 | 231.9 | 194.6 | 201.6 | 220.9 |
| Pacific Contig | 212.1 | 237.3 | 248.9 | 229.0 | 232.1 | 238.9 | 249.1 | 246.7 | 249.8 | 255.6 | 261.9 | 256.1 | 231.9 | 241.7 | 255.9 |
| AK and HI | 13.1 | 13.6 | 14.4 | 13.5 | 13.1 | 13.7 | 14.1 | 13.9 | 13.4 | 13.5 | 13.9 | 13.9 | 13.7 | 13.7 | 13.7 |
| Total | 2674.3 | 2840.7 | 2875.0 | 2766.5 | 2749.0 | 2813.8 | 2863.5 | 2833.3 | 2809.1 | 2867.2 | 2902.3 | 2871.3 | 2789.3 | 2815.2 | 2862.7 |
| **Transportation [d]** | | | | | | | | | | | | | | | |
| New England | 1.8 | 1.6 | 1.6 | 1.6 | 1.8 | 1.6 | 1.7 | 1.7 | 1.9 | 1.8 | 1.9 | 1.8 | 1.6 | 1.7 | 1.8 |
| Mid Atlantic | 11.6 | 11.4 | 12.2 | 12.0 | 13.5 | 12.6 | 13.8 | 13.7 | 15.1 | 14.2 | 15.5 | 15.4 | 11.8 | 13.4 | 15.0 |
| E. N. Central | 1.9 | 1.3 | 1.4 | 1.4 | 1.9 | 1.5 | 1.5 | 1.4 | 1.9 | 1.6 | 1.6 | 1.5 | 1.5 | 1.6 | 1.7 |
| W. N. Central | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.1 | 0.2 | 0.2 |
| S. Atlantic | 3.5 | 3.3 | 3.5 | 3.1 | 3.8 | 3.5 | 3.8 | 3.4 | 4.0 | 3.7 | 4.0 | 3.6 | 3.3 | 3.6 | 3.8 |
| E. S. Central | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| W. S. Central | 0.1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 |
| Mountain | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Pacific Contig | 2.2 | 2.1 | 2.2 | 2.2 | 2.6 | 2.3 | 2.3 | 2.4 | 2.8 | 2.4 | 2.4 | 2.5 | 2.2 | 2.4 | 2.6 |
| AK and HI | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total | 21.4 | 20.2 | 21.5 | 20.8 | 24.2 | 22.0 | 23.7 | 23.3 | 26.5 | 24.3 | 26.1 | 25.6 | 21.0 | 23.3 | 25.6 |
| **Total** | | | | | | | | | | | | | | | |
| New England | 351.2 | 318.0 | 352.8 | 330.1 | 350.3 | 321.3 | 371.0 | 334.3 | 354.4 | 321.5 | 362.4 | 335.6 | 338.0 | 344.3 | 343.5 |
| Mid Atlantic | 1019.5 | 954.9 | 1071.9 | 942.5 | 1034.9 | 942.5 | 1164.2 | 985.4 | 1084.7 | 981.3 | 1139.0 | 1007.2 | 997.3 | 1032.0 | 1053.1 |
| E. N. Central | 1557.3 | 1469.5 | 1606.7 | 1484.0 | 1578.3 | 1470.1 | 1716.3 | 1490.1 | 1584.1 | 1490.6 | 1633.7 | 1473.9 | 1529.4 | 1563.8 | 1545.5 |
| W. N. Central | 719.8 | 674.5 | 765.4 | 687.0 | 727.6 | 697.0 | 847.8 | 695.0 | 743.2 | 703.0 | 844.0 | 712.5 | 711.8 | 742.0 | 750.8 |
| S. Atlantic | 2108.5 | 2052.6 | 2356.5 | 1986.7 | 2132.6 | 1993.4 | 2475.0 | 2065.5 | 2237.0 | 2086.8 | 2524.6 | 2114.3 | 2126.3 | 2167.3 | 2241.1 |
| E. S. Central | 884.4 | 849.9 | 943.1 | 825.5 | 893.4 | 828.9 | 988.3 | 857.4 | 942.7 | 870.0 | 993.1 | 880.7 | 875.8 | 892.2 | 921.7 |
| W. S. Central | 1262.8 | 1348.1 | 1621.9 | 1304.5 | 1314.6 | 1389.0 | 1751.8 | 1341.6 | 1366.6 | 1401.8 | 1752.1 | 1396.9 | 1384.8 | 1450.2 | 1480.2 |
| Mountain | 604.4 | 634.7 | 734.4 | 611.7 | 621.2 | 636.0 | 783.2 | 659.7 | 671.5 | 665.5 | 800.2 | 690.6 | 646.5 | 675.4 | 707.2 |
| Pacific Contig | 1037.8 | 999.2 | 1104.0 | 1045.5 | 1083.0 | 999.8 | 1113.8 | 1060.7 | 1104.7 | 1029.5 | 1139.9 | 1077.4 | 1046.8 | 1064.4 | 1087.9 |
| AK and HI | 44.1 | 43.0 | 45.0 | 44.9 | 44.9 | 43.2 | 43.9 | 44.6 | 44.6 | 42.9 | 43.3 | 44.1 | 44.3 | 44.1 | 43.7 |
| Total | 9589.8 | 9344.4 | 10601.8 | 9262.3 | 9780.7 | 9321.3 | 11255.3 | 9534.1 | 10133.6 | 9593.0 | 11232.3 | 9733.2 | 9700.9 | 9975.7 | 10174.8 |

[a] Regions refer to U.S. Census Divisions. A complete list of states comprising each Census Division is provided in EIA's Energy Glossary (http:/www.eia.doe.gov/glossary_main_page.htm) under the letter "C."

Note: In this case, the Pacific division is subdivided into the Pacific Contiguous area (California, Oregon, and Washington) and the Pacific Noncontiguous area (Alaska and Hawaii).

[b] Total of retail electricity sales by electric utilities and power marketers.

[c] Commercial sector, including public street and highway lighting, interdepartmental sales and other sales to public authorities. These items, along with transportation sector; electricity were formerly included in an "other" category, which is no longer provided. (See EIA 's *Monthly Energy Review,* Table 7.5, for a comparison of "Old Basis" and "New Basis" electricity retail sales.) Through 2003, data are estimated as the sum of "Old Basis Commercial" and approximately 95 percent of "Old Basis Other"; beginning in 2004, data are actual survey data.

[d] Transportation sector, including sales to railroads and railways.

Notes: Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; estimates and forecasts are in italics.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Electric Power Annual,* DOE/EIA-0226 and *Electric Power Monthly*, DOE/EIA-0226. The forecasts were generated by simulation of the Regional Short-Term Energy Model.

## Table 10c. U.S. Regional[a] Electricity Prices: Medium Recovery Case (Cents per Kilowatthour)

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | 2004 | 2005 | 2006 |
| **Residential** | | | | | | | | | | | | | | | |
| New England | **11.8** | **12.1** | **12.2** | **11.9** | **12.9** | *13.1* | *12.5* | *12.9* | *13.0* | *13.5* | *13.3* | *13.4* | **12.0** | *12.9* | *13.3* |
| Mid Atlantic | **11.1** | **11.9** | **12.7** | **11.6** | **11.4** | *12.3* | *12.6* | *11.7* | *11.4* | *12.4* | *12.9* | *11.8* | **11.9** | *12.0* | *12.1* |
| E. N. Central | **7.8** | **8.6** | **8.8** | **8.3** | **7.9** | *8.8* | *8.7* | *8.2* | *7.9* | *8.6* | *8.8* | *8.3* | **8.4** | *8.4* | *8.4* |
| W. N. Central | **6.9** | **7.9** | **8.5** | **7.3** | **7.0** | *8.2* | *8.5* | *7.5* | *7.1* | *8.2* | *8.5* | *7.4* | **7.7** | *7.8* | *7.8* |
| S. Atlantic | **7.9** | **8.5** | **8.7** | **8.3** | **8.3** | *8.8* | *8.8* | *8.7* | *8.7* | *9.5* | *9.7* | *9.1* | **8.3** | *8.6* | *9.3* |
| E. S. Central | **6.7** | **7.3** | **7.3** | **7.1** | **6.9** | *7.5* | *7.5* | *7.4* | *7.0* | *7.5* | *7.4* | *7.2* | **7.1** | *7.3* | *7.3* |
| W. S. Central | **8.1** | **9.2** | **9.6** | **8.8** | **8.6** | *9.6* | *9.9* | *9.9* | *9.3* | *10.0* | *10.0* | *9.3* | **9.0** | *9.5* | *9.7* |
| Mountain | **7.5** | **8.5** | **8.7** | **8.1** | **8.1** | *8.8* | *8.8* | *8.3* | *8.2* | *9.0* | *9.2* | *8.6* | **8.2** | *8.5* | *8.8* |
| Pacific | **9.7** | **9.8** | **10.4** | **9.8** | **9.4** | *10.0* | *10.1* | *9.3* | *9.2* | *9.7* | *10.6* | *9.8* | **9.9** | *9.7* | *9.8* |
| Total | **8.4** | **9.1** | **9.4** | **8.9** | **8.7** | *9.4* | *9.4* | *9.1* | *8.8* | *9.6* | *9.8* | *9.2* | **8.9** | *9.1* | *9.4* |
| **Commercial** | | | | | | | | | | | | | | | |
| New England | **10.5** | **10.7** | **11.3** | **10.4** | **11.4** | *11.6* | *12.0* | *11.9* | *12.2* | *12.8* | *13.5* | *12.6* | **10.8** | *11.8* | *12.8* |
| Mid Atlantic | **9.8** | **10.3** | **11.5** | **10.1** | **9.9** | *10.8* | *11.5* | *10.4* | *10.4* | *11.2* | *11.9* | *10.4* | **10.5** | *10.7* | *11.0* |
| E. N. Central | **7.1** | **7.5** | **7.7** | **7.3** | **7.3** | *7.7* | *7.7* | *7.5* | *7.2* | *7.6* | *7.6* | *7.4* | **7.4** | *7.5* | *7.5* |
| W. N. Central | **5.7** | **6.4** | **6.8** | **5.9** | **5.8** | *6.5* | *6.8* | *5.9* | *5.9* | *6.5* | *6.8* | *5.9* | **6.2** | *6.3* | *6.3* |
| S. Atlantic | **6.9** | **7.1** | **7.2** | **7.1** | **7.4** | *7.4* | *7.3* | *7.5* | *7.7* | *7.9* | *7.9* | *7.7* | **7.1** | *7.4* | *7.8* |
| E. S. Central | **6.8** | **6.9** | **6.9** | **6.9** | **6.9** | *7.1* | *7.3* | *7.1* | *7.0* | *7.2* | *7.2* | *7.1* | **6.9** | *7.1* | *7.1* |
| W. S. Central | **7.2** | **7.5** | **7.8** | **7.4** | **7.5** | *7.8* | *8.1* | *8.2* | *8.5* | *8.6* | *8.4* | *7.8* | **7.5** | *7.9* | *8.3* |
| Mountain | **6.8** | **7.1** | **7.4** | **7.2** | **7.0** | *7.5* | *7.5* | *7.4* | *7.2* | *7.5* | *7.7* | *7.6* | **7.1** | *7.3* | *7.5* |
| Pacific | **9.8** | **10.2** | **11.4** | **9.8** | **9.6** | *10.5* | *12.4* | *10.8* | *10.1* | *11.2* | *12.9* | *11.4* | **10.3** | *10.9* | *11.5* |
| Total | **7.8** | **8.2** | **8.6** | **8.0** | **8.1** | *8.4* | *8.8* | *8.4* | *8.4* | *8.8* | *9.1* | *8.5* | **8.2** | *8.4* | *8.7* |
| **Industrial** | | | | | | | | | | | | | | | |
| New England | **8.0** | **7.7** | **7.9** | **7.6** | **8.5** | *8.3* | *7.8* | *8.2* | *8.3* | *8.0* | *8.0* | *8.2* | **7.8** | *8.2* | *8.1* |
| Mid Atlantic | **6.3** | **6.4** | **6.5** | **6.2** | **6.4** | *6.8* | *6.8* | *6.5* | *6.4* | *6.5* | *6.7* | *6.4* | **6.3** | *6.6* | *6.5* |
| E. N. Central | **4.5** | **4.6** | **4.8** | **4.6** | **4.7** | *4.8* | *5.0* | *4.7* | *4.7* | *4.8* | *5.0* | *4.8* | **4.7** | *4.8* | *4.8* |
| W. N. Central | **4.2** | **4.5** | **4.9** | **4.3** | **4.4** | *4.7* | *5.0* | *4.4* | *4.4* | *4.7* | *5.0* | *4.3* | **4.5** | *4.7* | *4.6* |
| S. Atlantic | **4.4** | **4.5** | **4.9** | **4.6** | **4.7** | *4.8* | *4.9* | *4.7* | *4.7* | *4.8* | *5.1* | *4.8* | **4.6** | *4.8* | *4.9* |
| E. S. Central | **3.8** | **4.1** | **4.4** | **3.9** | **3.9** | *4.2* | *4.6* | *4.0* | *3.9* | *4.1* | *4.4* | *3.9* | **4.0** | *4.2* | *4.1* |
| W. S. Central | **5.1** | **5.4** | **5.6** | **5.4** | **5.6** | *5.8* | *6.0* | *6.3* | *6.5* | *6.4* | *6.3* | *5.9* | **5.4** | *6.0* | *6.3* |
| Mountain | **4.7** | **5.1** | **5.5** | **5.0** | **5.0** | *5.3* | *5.7* | *5.0* | *4.8* | *5.1* | *5.4* | *4.9* | **5.1** | *5.2* | *5.1* |
| Pacific | **6.6** | **6.4** | **7.1** | **6.5** | **6.2** | *6.4* | *7.2* | *6.4* | *6.0* | *6.3* | *7.4* | *6.4* | **6.7** | *6.6* | *6.5* |
| Total | **4.9** | **5.1** | **5.4** | **5.0** | **5.1** | *5.3* | *5.5* | *5.2* | *5.2* | *5.3* | *5.6* | *5.2* | **5.1** | *5.3* | *5.3* |
| **Total** | | | | | | | | | | | | | | | |
| New England | **10.6** | **10.6** | **11.0** | **10.4** | **11.5** | *11.5* | *11.5* | *11.6* | *11.9* | *12.1* | *12.5* | *12.2* | **10.7** | *11.5* | *12.2* |
| Mid Atlantic | **9.5** | **9.9** | **10.9** | **9.7** | **9.8** | *10.4* | *11.0* | *10.0* | *10.0* | *10.6* | *11.3* | *10.0* | **10.0** | *10.3* | *10.5* |
| E. N. Central | **6.4** | **6.7** | **7.0** | **6.6** | **6.6** | *6.9* | *7.1* | *6.6* | *6.5* | *6.8* | *7.1* | *6.7* | **6.7** | *6.8* | *6.8* |
| W. N. Central | **5.7** | **6.3** | **6.9** | **5.9** | **5.9** | *6.5* | *7.0* | *6.0* | *5.9* | *6.5* | *6.9* | *5.9* | **6.2** | *6.4* | *6.3* |
| S. Atlantic | **6.8** | **7.0** | **7.4** | **7.0** | **7.2** | *7.3* | *7.5* | *7.3* | *7.6* | *7.8* | *8.2* | *7.7* | **7.1** | *7.4* | *7.8* |
| E. S. Central | **5.6** | **5.9** | **6.1** | **5.7** | **5.7** | *6.0* | *6.4* | *5.9* | *5.8* | *6.0* | *6.3* | *5.8* | **5.8** | *6.0* | *6.0* |
| W. S. Central | **6.8** | **7.4** | **7.9** | **7.2** | **7.2** | *7.7* | *8.3* | *8.1* | *8.1* | *8.3* | *8.5* | *7.7* | **7.4** | *7.9* | *8.2* |
| Mountain | **6.4** | **6.9** | **7.3** | **6.8** | **6.7** | *7.3* | *7.5* | *6.9* | *6.8* | *7.2* | *7.6* | *7.0* | **6.9** | *7.1* | *7.2* |
| Pacific | **9.1** | **9.2** | **10.1** | **9.1** | **8.8** | *9.3* | *10.4* | *9.2* | *8.8* | *9.5* | *10.9* | *9.6* | **9.4** | *9.5* | *9.7* |
| Total | **7.2** | **7.5** | **8.0** | **7.4** | **7.4** | *7.8* | *8.2* | *7.7* | *7.7* | *8.0* | *8.5* | *7.8* | **7.5** | *7.8* | *8.0* |

[a] Regions refer to U.S. Census Divisions. A complete list of states comprising each Census Division is provided in EIA's Energy Glossary (http:/www.eia.doe.gov/glossary_main_page.htm) under the letter "C."

Sources: Historical data: EIA: latest data available from EIA databases supporting the following report: *Electric Power Monthly*, DOE/EIA-0226. The survey includes electric utilities and energy service providers. The forecasts were generated by simulation of the Regional Short-Term Energy Model.

## Table 10d. U.S. Electricity Generation by Sector: Medium Recovery Case

(Billion Kilowatthours)

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2004 | 2005 | 2006 |
| Electricity Generation by Sector | | | | | | | | | | | | | | | |
| Electric Power [a] | | | | | | | | | | | | | | | |
| Coal | **490.0** | **461.4** | **518.1** | *484.5* | *491.6* | *459.2* | *553.6* | *502.1* | *501.1* | *461.1* | *545.9* | *506.2* | *1954.0* | *2006.4* | *2014.2* |
| Petroleum | **31.8** | **28.1** | **29.9** | *22.7* | *25.6* | *21.5* | *33.5* | *28.0* | *30.9* | *19.7* | *29.6* | *22.1* | *112.5* | *108.6* | *102.3* |
| Natural Gas | **125.8** | **156.4** | **200.4** | *136.0* | *129.5* | *152.1* | *216.6* | *139.9* | *135.2* | *159.4* | *224.4* | *149.4* | *618.6* | *638.1* | *668.3* |
| Other [b] | **277.3** | **275.2** | **287.2** | *268.8* | *273.3* | *277.1* | *297.6* | *267.6* | *287.1* | *298.4* | *300.0* | *281.6* | *1108.6* | *1115.6* | *1167.0* |
| Subtotal | **924.9** | **921.0** | **1035.8** | *912.0* | *920.0* | *909.9* | *1101.3* | *937.5* | *954.2* | *938.6* | *1099.8* | *959.4* | *3793.6* | *3868.7* | *3951.9* |
| Commercial | | | | | | | | | | | | | | | |
| Coal | **0.3** | **0.3** | **0.3** | *0.3* | *0.4* | *0.3* | *0.3* | *0.3* | *0.4* | *0.3* | *0.3* | *0.3* | *1.1* | *1.3* | *1.2* |
| Petroleum | **0.1** | **0.1** | **0.1** | *0.1* | *0.1* | *0.3* | *0.9* | *0.8* | *1.1* | *0.8* | *0.9* | *0.8* | *0.4* | *2.2* | *3.6* |
| Natural Gas | **0.9** | **1.0** | **1.1** | *1.0* | *1.0* | *1.0* | *1.1* | *1.0* | *1.0* | *1.0* | *1.1* | *1.0* | *4.0* | *4.1* | *4.1* |
| Other [b] | **0.4** | **0.5** | **0.5** | *0.5* | *0.5* | *0.3* | *-0.1* | *-0.1* | *-0.7* | *-0.3* | *-0.2* | *-0.1* | *1.9* | *0.6* | *-1.3* |
| Subtotal | **1.8** | **1.8** | **2.0** | *1.8* | *2.0* | *2.0* | *2.2* | *1.9* | *1.8* | *1.8* | *2.2* | *1.9* | *7.4* | *8.1* | *7.7* |
| Industrial | | | | | | | | | | | | | | | |
| Coal | **5.4** | **5.2** | **5.4** | *5.2* | *4.9* | *4.9* | *5.4* | *5.2* | *4.9* | *5.1* | *5.4* | *5.2* | *21.2* | *20.3* | *20.6* |
| Petroleum | **1.4** | **1.1** | **1.2** | *1.0* | *1.5* | *1.2* | *1.2* | *1.0* | *1.5* | *1.2* | *1.2* | *1.0* | *4.7* | *4.9* | *4.9* |
| Natural Gas | **19.1** | **19.1** | **20.6** | *18.2* | *18.5* | *18.7* | *20.6* | *18.2* | *18.5* | *19.0* | *20.6* | *18.2* | *77.0* | *76.0* | *76.3* |
| Other [b] | **12.3** | **12.2** | **12.5** | *12.4* | *12.6* | *12.6* | *13.6* | *13.6* | *12.7* | *12.6* | *13.2* | *14.5* | *49.4* | *52.3* | *53.1* |
| Subtotal | **38.2** | **37.6** | **39.7** | *36.9* | *37.4* | *37.3* | *40.8* | *38.0* | *37.5* | *37.9* | *40.4* | *39.0* | *152.4* | *153.5* | *154.9* |
| Total | **964.9** | **960.5** | **1077.4** | *950.6* | *959.4* | *949.2* | *1144.3* | *977.4* | *993.5* | *978.3* | *1142.4* | *1000.3* | *3953.4* | *4030.4* | *4114.6* |

[a] Electric utilities and independent power producers.

[b] "Other" includes nuclear, hydroelectric, geothermal, wood, waste, wind and solar power sources.

Note: Commercial and industrial categories include electricity output from combined heat and power (CHP) facilities and some electric-only plants.

Notes: Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following report: *Electric Power Monthly*, DOE/EIA-0226. Projections: EIA, Short-Term Integrated Forecasting System database, and Office of Coal, Nuclear, Electric and Alternate Fuels (hydroelectric and nuclear).

## Table 10e. U.S. Fuel Consumption for Electricity Generation by Sector: Medium Recovery Case

| | 2004 | | | | 2005 | | | | 2006 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2004 | 2005 | 2006 |
| | | | | | | | (Quadrillion Btu) | | | | | | | | |
| Electric Power [a] | | | | | | | | | | | | | | | |
| Coal | **5.02** | **4.76** | **5.40** | **5.05** | **5.10** | *4.76* | *5.76* | *5.23* | *5.20* | *4.78* | *5.67* | *5.28* | **20.23** | *20.85* | *20.93* |
| Petroleum | **0.34** | **0.30** | **0.32** | **0.24** | **0.27** | *0.23* | *0.35* | *0.29* | *0.32* | *0.22* | *0.31* | *0.23* | **1.20** | *1.15* | *1.08* |
| Natural Gas | **1.08** | **1.35** | **1.74** | **1.17** | **1.10** | *1.31* | *1.84* | *1.18* | *1.12* | *1.33* | *1.87* | *1.24* | **5.35** | *5.43* | *5.56* |
| Other [b] | **2.95** | **2.92** | **3.06** | **2.86** | **2.92** | *2.93* | *3.12* | *2.81* | *3.01* | *3.12* | *3.14* | *2.95* | **11.80** | *11.78* | *12.22* |
| Subtotal | **9.39** | **9.34** | **10.52** | **9.33** | **9.39** | *9.23* | *11.07* | *9.51* | *9.66* | *9.44* | *11.00* | *9.70* | **38.58** | *39.20* | *39.80* |
| Commercial | | | | | | | | | | | | | | | |
| Coal | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | **0.01** | *0.02* | *0.02* |
| Petroleum | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | **0.01** | *0.01* | *0.01* |
| Natural Gas | **0.01** | **0.01** | **0.01** | **0.01** | **0.01** | *0.01* | *0.01* | *0.01* | *0.01* | *0.01* | *0.01* | *0.01* | **0.04** | *0.04* | *0.04* |
| Other [b] | **0.01** | **0.01** | **0.01** | **0.01** | **0.01** | *0.01* | *0.01* | *0.01* | *0.01* | *0.01* | *0.01* | *0.01* | **0.04** | *0.03* | *0.03* |
| Subtotal | **0.03** | **0.03** | **0.03** | **0.03** | **0.02** | *0.02* | *0.03* | *0.02* | *0.03* | *0.02* | *0.03* | *0.02* | **0.10** | *0.09* | *0.10* |
| Industrial | | | | | | | | | | | | | | | |
| Coal | **0.09** | **0.09** | **0.09** | **0.09** | **0.07** | *0.07* | *0.08* | *0.08* | *0.07* | *0.08* | *0.08* | *0.08* | **0.35** | *0.30* | *0.31* |
| Petroleum | **0.02** | **0.02** | **0.02** | **0.02** | **0.02** | *0.02* | *0.02* | *0.02* | *0.02* | *0.02* | *0.02* | *0.02* | **0.07** | *0.07* | *0.07* |
| Natural Gas | **0.21** | **0.19** | **0.21** | **0.19** | **0.18** | *0.18* | *0.21* | *0.18* | *0.18* | *0.19* | *0.21* | *0.18* | **0.79** | *0.75* | *0.76* |
| Other [b] | **0.21** | **0.20** | **0.20** | **0.20** | **0.19** | *0.17* | *0.18* | *0.17* | *0.17* | *0.17* | *0.18* | *0.17* | **0.82** | *0.71* | *0.70* |
| Subtotal | **0.53** | **0.50** | **0.51** | **0.49** | **0.46** | *0.44* | *0.48* | *0.45* | *0.45* | *0.46* | *0.48* | *0.45* | **2.03** | *1.83* | *1.84* |
| Total | **9.95** | **9.86** | **11.06** | **9.84** | **9.87** | *9.70* | *11.58* | *9.99* | *10.13* | *9.92* | *11.51* | *10.17* | **40.71** | *41.13* | *41.73* |
| | | | | | | | (Physical Units) | | | | | | | | |
| Electric Power [a] | | | | | | | | | | | | | | | |
| Coal (mmst) | **251.5** | **238.4** | **270.4** | **253.0** | **255.4** | *238.5* | *288.3* | *262.1* | *260.5* | *239.3* | *284.2* | *264.3* | **2.77** | *2.86* | *2.87* |
| Petroleum (mmbd) | **0.60** | **0.53** | **0.56** | **0.43** | **0.49** | *0.41* | *0.62* | *0.51* | *0.58* | *0.38* | *0.55* | *0.41* | **0.53** | *0.51* | *0.48* |
| Natural Gas (tcf) | **1.05** | **1.32** | **1.70** | **1.15** | **1.07** | *1.27* | *1.80* | *1.16* | *1.10* | *1.30* | *1.82* | *1.21* | **5.22** | *5.29* | *5.43* |
| Commercial | | | | | | | | | | | | | | | |
| Coal (mmst) | **0.16** | **0.14** | **0.16** | **0.15** | **0.21** | *0.18* | *0.17* | *0.15* | *0.21* | *0.16* | *0.17* | *0.15* | **0.00** | *0.00* | *0.00* |
| Petroleum (mmbd) | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | **0.00** | *0.00* | *0.00* |
| Natural Gas (tcf) | **0.01** | **0.01** | **0.01** | **0.01** | **0.01** | *0.01* | *0.01* | *0.01* | *0.01* | *0.01* | *0.01* | *0.01* | **0.04** | *0.04* | *0.04* |
| Industrial | | | | | | | | | | | | | | | |
| Coal (mmst) | **4.07** | **3.82** | **3.96** | **3.83** | **2.98** | *3.06* | *3.67* | *3.46* | *3.20* | *3.42* | *3.59* | *3.45* | **15.68** | *13.18* | *13.66* |
| Petroleum (mmbd) | **0.04** | **0.03** | **0.03** | **0.03** | **0.04** | *0.03* | *0.03* | *0.03* | *0.04* | *0.03* | *0.03* | *0.03* | **0.03** | *0.03* | *0.03* |
| Natural Gas (tcf) | **0.20** | **0.18** | **0.20** | **0.18** | **0.18** | *0.18* | *0.20* | *0.18* | *0.18* | *0.18* | *0.20* | *0.18* | **0.76** | *0.73* | *0.74* |

[a] Electric utilities and independent power producers.

[b] "Other" includes other gaseous fuels, nuclear, hydroelectric, geothermal, wood, waste, wind and solar power sources.

Note: Commercial and industrial categories include electricity output from combined heat and power (CHP) facilities and some electric-only plants.

Notes: Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following report: *Electric Power Monthly*, DOE/EIA-0226. Projections: EIA, Short-Term Integrated Forecasting System database, and Office of Coal, Nuclear, Electric and Alternate Fuels (hydroelectric and nuclear).

Physical Units: mmst = million short tons; mmbd = million barrels per day; tcf = trillion cubic feet.

## Table 11. U.S. Renewable Energy Use by Sector: Medium Recovery Case

(Quadrillion Btu)

| | Year | | | | Annual Percentage Change | | |
|---|---|---|---|---|---|---|---|
| | 2003 | 2004 | 2005 | 2006 | 2003-2004 | 2004-2005 | 2005-2006 |
| **Electricity Sector** | | | | | | | |
| Hydroelectric Power [a] | **2.781** | **2.673** | *2.735* | *2.994* | **-3.9** | *2.3* | *9.5* |
| Geothermal, Solar and Wind Energy | **0.423** | **0.451** | *0.453* | *0.476* | **6.6** | *0.4* | *5.1* |
| Biofuels [b] | **0.522** | **0.508** | *0.502* | *0.489* | **-2.7** | *-1.2* | *-2.6* |
| Total | **3.725** | **3.632** | *3.690* | *3.960* | **-2.5** | *1.6* | *7.3* |
| **Other Sectors [c]** | | | | | | | |
| Residential and Commercial [d] | **0.537** | **0.513** | *0.525* | *0.519* | **-4.5** | *2.3* | *-1.1* |
| Residential | **0.434** | **0.408** | *0.421* | *0.415* | **-6.0** | *3.2* | *-1.4* |
| Commercial | **0.102** | **0.106** | *0.104* | *0.104* | **3.9** | *-1.9* | *0.0* |
| Industrial [e] | **1.581** | **1.676** | *1.589* | *1.500* | **6.0** | *-5.2* | *-5.6* |
| Transportation [f] | **0.237** | **0.296** | *0.324* | *0.348* | **24.9** | *9.5* | *7.4* |
| Total | **2.355** | **2.485** | *2.439* | *2.366* | **5.5** | *-1.9* | *-3.0* |
| Total Renewable Energy Demand | **6.080** | **6.117** | *6.129* | *6.326* | **0.6** | *0.2* | *3.2* |

[a] Conventional hydroelectric power only. Hydroelectricity generated by pumped storage is not included in renewable energy.
[b] Biofuels are fuelwood, wood byproducts, waste wood, municipal solid waste, manufacturing process waste, and alcohol fuels.
[c] Renewable energy includes minor components of non-marketed renewable energy, which is renewable energy that is neither bought nor sold, either directly or indirectly as inputs to marketed energy. EIA does not estimate or project total consumption of non-marketed renewable energy.
[d] Includes biofuels and solar energy consumed in the residential and commercial sectors.
[e] Consists primarily of biofuels for use other than in electricity cogeneration.
[f] Ethanol blended into gasoline.

Notes: Minor discrepancies with other published EIA historical data are due to independent rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226 and *Renewable Energy Annual*, DOE/EIA-0603.Projections: EIA, Short-Term Integrated Forecasting System database, and Office of Coal, Nuclear, Electric and Alternate Fuels.

# Table A1. Annual U.S. Energy Supply and Demand: Medium Recovery Case

| | Year | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
| **Real Gross Domestic Product (GDP)** | | | | | | | | | | | | | | | |
| (billion chained 2000 dollars) | **7337** | **7533** | **7835** | **8032** | **8329** | **8704** | **9067** | **9470** | **9817** | **9891** | **10049** | **10321** | **10756** | *11147* | *11494* |
| Imported Crude Oil Price [a] (nominal dollars per barrel) | **18.20** | **16.13** | **15.53** | **17.14** | **20.62** | **18.49** | **12.07** | **17.26** | **27.72** | **22.00** | **23.71** | **27.73** | **35.99** | *50.98* | *56.39* |
| **Petroleum Supply** | | | | | | | | | | | | | | | |
| Crude Oil Production [b] (million barrels per day) | **7.17** | **6.85** | **6.66** | **6.56** | **6.46** | **6.45** | **6.25** | **5.88** | **5.82** | **5.80** | **5.75** | **5.68** | **5.42** | *5.33* | *5.62* |
| Total Petroleum Net Imports (including SPR) (million barrels per day) | **6.94** | **7.62** | **8.05** | **7.89** | **8.50** | **9.16** | **9.76** | **9.91** | **10.42** | **10.90** | **10.54** | **11.24** | **12.10** | *12.16* | *12.12* |
| **Energy Demand** | | | | | | | | | | | | | | | |
| Petroleum (million barrels per day) | **17.10** | **17.24** | **17.72** | **17.72** | **18.31** | **18.62** | **18.92** | **19.52** | **19.70** | **19.65** | **19.76** | **20.03** | **20.73** | *20.83* | *21.16* |
| Natural Gas (trillion cubic feet) | **20.23** | **20.79** | **21.25** | **22.21** | **22.60** | **22.73** | **22.25** | **22.41** | **23.45** | **22.24** | **23.01** | **22.38** | **22.43** | *22.28* | *22.81* |
| Coal (million short tons) | **908** | **944** | **951** | **962** | **1006** | **1030** | **1037** | **1039** | **1084** | **1060** | **1066** | **1095** | **1104** | *1140* | *1145* |
| Electricity (billion kilowatthours) | | | | | | | | | | | | | | | |
| Retail Sales [c] | **2763** | **2861** | **2935** | **3013** | **3101** | **3146** | **3264** | **3312** | **3421** | **3370** | **3463** | **3488** | **3551** | *3641* | *3714* |
| Other Use/Sales [d] | **122** | **128** | **134** | **144** | **146** | **148** | **161** | **183** | **181** | **173** | **177** | **179** | **176** | *178* | *180* |
| Total | **2886** | **2989** | **3069** | **3157** | **3247** | **3294** | **3425** | **3495** | **3603** | **3543** | **3639** | **3667** | **3727** | *3820* | *3893* |
| Total Energy Demand [e] (quadrillion Btu) | **85.9** | **87.6** | **89.2** | **91.2** | **94.2** | **94.7** | **95.1** | **96.8** | **98.9** | **96.4** | **98.0** | **98.2** | **99.7** | *100.3* | *101.8* |
| Total Energy Demand per Dollar of GDP (thousand Btu per 2000 Dollar) | **11.72** | **11.63** | **11.39** | **11.36** | **11.31** | **10.88** | **10.49** | **10.24** | **10.07** | **9.74** | **9.75** | **9.51** | **9.27** | *9.00* | *8.86* |

[a] Refers to the imported cost of crude oil to U.S. refiners.

[b] Includes lease condensate.

[c] Total of retail electricity sales by electric utilities and power marketers. Utility sales for historical periods are reported in Energy Information Administration (EIA) *Electric Power Monthly and Electric Power Annual*. Power marketers' sales for historical periods are reported in EIA's *Electric Sales and Revenue*, Appendix C.

[d] Defined as the sum of facility use of onsite net electricity generation plus direct sales of power by industrial- or commercial-sector generators to third parties, reported annually in Table 7.5 of the *Monthly Energy Review (MER)*. Data for 2003 are estimates.

[e] "Total Energy Demand" refers to the aggregate energy concept presented in EIA's *Annual Energy Review*, DOE/EIA-0384 (*AER*), Table 1.1. The conversion from physical units to Btu is calculated using a subset of conversion factors used in the calculations performed for gross energy consumption in EIA, *Monthly Energy Review* (*MER*). Consequently, the historical data may not precisely match those published in the *MER* or the *AER*.

Notes: SPR: Strategic Petroleum Reserve. Minor discrepancies with other published EIA historical data are due to independent rounding. Historical data are printed in bold; forecasts are in italics. The forecasts were generated by simulation of the Regional Short-Term Energy Model.

Sources: Historical data: Latest data available from Bureau of Economic Analysis; EIA; latest data available from EIA databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109; *Petroleum Supply Annual*, DOE/EIA-0340/2; *Natural Gas Monthly*, DOE/EIA-0130; *Electric Power Monthly*, DOE/EIA-0226; *Quarterly Coal Report*, DOE/EIA-0121; *International Petroleum Monthly,* DOE/EIA-520, and *Weekly Petroleum Status Report* DOE/EIA-0208. Macroeconomic projections are based on Global Insight Model of the U.S. Economy, August 2005.

## Table A2. Annual U.S. Macroeconomic and Weather Indicators: Medium Recovery Case

| | Year | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
| **Macroeconomic** | | | | | | | | | | | | | | | |
| Real Gross Domestic Product (billion chained 2000 dollars) | **7337** | **7533** | **7835** | **8032** | **8329** | **8704** | **9067** | **9470** | **9817** | **9891** | **10049** | **10321** | **10756** | *11147* | *11494* |
| GDP Implicit Price Deflator (Index, 2000=100) | **86.4** | **88.4** | **90.3** | **92.1** | **93.9** | **95.4** | **96.5** | **97.9** | **100.0** | **102.4** | **104.2** | **106.3** | **109.1** | *111.9* | *114.0* |
| Real Disposable Personal Income (billion chained 2000 Dollars) | **5536** | **5594** | **5746** | **5906** | **6081** | **6296** | **6664** | **6862** | **7194** | **7333** | **7562** | **7742** | **8004** | *8172* | *8485* |
| Manufacturing Production (Index, 1997=100) | **75.5** | **78.3** | **83.3** | **87.9** | **92.2** | **100.0** | **106.6** | **112.3** | **117.6** | **112.7** | **112.7** | **112.7** | **118.1** | *122.5* | *126.2* |
| Real Fixed Investment (billion chained 2000 dollars) | **878** | **953** | **1042** | **1110** | **1209** | **1321** | **1455** | **1576** | **1679** | **1629** | **1545** | **1600** | **1755** | *1895* | *1973* |
| Business Inventory Change (billion chained 2000 dollars) | **-4.5** | **3.4** | **11.5** | **13.4** | **9.7** | **20.7** | **18.6** | **17.0** | **7.9** | **-21.3** | **-5.9** | **-7.6** | **6.1** | *6.3* | *4.0* |
| Producer Price Index (index, 1982=1.000) | **1.172** | **1.189** | **1.205** | **1.248** | **1.277** | **1.276** | **1.244** | **1.255** | **1.328** | **1.342** | **1.311** | **1.381** | **1.467** | *1.554* | *1.563* |
| Consumer Price Index (index, 1982-1984=1.000) | **1.403** | **1.445** | **1.482** | **1.524** | **1.569** | **1.605** | **1.630** | **1.666** | **1.722** | **1.771** | **1.798** | **1.840** | **1.889** | *1.950* | *1.992* |
| Petroleum Product Price Index (index, 1982=1.000) | **0.647** | **0.620** | **0.591** | **0.608** | **0.701** | **0.680** | **0.513** | **0.609** | **0.913** | **0.853** | **0.795** | **0.977** | **1.198** | *1.646* | *1.724* |
| Non-Farm Employment (millions) | **108.7** | **110.8** | **114.3** | **117.3** | **119.7** | **122.8** | **125.9** | **129.0** | **131.8** | **131.8** | **130.3** | **130.0** | **131.5** | *133.7* | *135.7* |
| Commercial Employment (millions) | **70.9** | **72.9** | **75.7** | **78.4** | **80.7** | **83.4** | **86.1** | **89.1** | **91.4** | **92.0** | **91.4** | **91.7** | **93.3** | *95.3* | *97.1* |
| Total Industrial Production (index, 1997=100.0) | **78.4** | **80.9** | **85.3** | **89.4** | **93.2** | **100.0** | **105.8** | **110.6** | **115.4** | **111.3** | **111.0** | **110.9** | **115.5** | *119.7* | *122.9* |
| Housing Stock (millions) | **102.6** | **103.8** | **105.1** | **106.7** | **108.0** | **109.4** | **111.1** | **112.7** | **113.3** | **114.7** | **115.7** | **117.1** | **118.4** | *120.1* | *121.5* |
| **Weather** [a] | | | | | | | | | | | | | | | |
| Heating Degree-Days | | | | | | | | | | | | | | | |
| U.S. | **4433** | **4671** | **4470** | **4516** | **4689** | **4525** | **3946** | **4154** | **4447** | **4193** | **4272** | **4459** | **4289** | *4347* | *4521* |
| New England | **6918** | **6803** | **6748** | **6632** | **6749** | **6726** | **5743** | **6013** | **6584** | **6112** | **6098** | **6847** | **6609** | *6724* | *6661* |
| Middle Atlantic | **6107** | **6039** | **6083** | **5967** | **6118** | **5942** | **4924** | **5495** | **5942** | **5438** | **5371** | **6097** | **5749** | *5910* | *5910* |
| U.S. Gas-Weighted | **4787** | **5062** | **4861** | **4905** | **5092** | **4911** | **4271** | **4510** | **4796** | **4534** | **4635** | **4828** | **4641** | *4715* | *4862* |
| Cooling Degree-Days (U.S.) | **1075** | **1251** | **1254** | **1322** | **1216** | **1195** | **1438** | **1328** | **1268** | **1288** | **1392** | **1282** | **1225** | *1358* | *1241* |

[a]Population-weighted degree-days. A degree-day indicates the temperature variation from 65 degrees Fahrenheit (calculated as the simple average of the daily minimum and maximum temperatures) weighted by 2000 population.

Notes: Minor discrepancies with other published EIA historical data are due to independent rounding. Historical data are printed in bold; forecasts are in italics. The forecasts were generated by simulation of the Regional Short-Term Energy Model.

Sources: Historical data: latest data available from: U.S. Department of Commerce, Bureau of Economic Analysis; U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA); Federal Reserve System, Statistical Release G.17; U.S. Department of Transportation; American Iron and Steel Institute. Macroeconomic projections are based on Global Insight Model of the U.S. Economy, August 2005. Degree-day projections are from NOAA's Climate Prediction Center.

## Table A3. U.S. Energy Supply and Demand: Medium Recovery Case

(Quadrillion Btu except where noted)

| | Year | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
| **Production** | | | | | | | | | | | | | | | |
| Coal | **21.63** | **20.25** | **22.11** | **22.03** | **22.68** | **23.21** | **23.94** | **23.19** | **22.62** | **23.49** | **22.62** | **21.97** | **22.69** | *23.11* | *23.56* |
| Natural Gas | **18.38** | **18.58** | **19.35** | **19.08** | **19.27** | **19.32** | **19.61** | **19.34** | **19.66** | **20.20** | **19.44** | **19.63** | **19.49** | *19.19* | *19.86* |
| Crude Oil | **15.22** | **14.49** | **14.10** | **13.89** | **13.72** | **13.66** | **13.24** | **12.45** | **12.36** | **12.28** | **12.16** | **12.03** | **11.50** | *11.28* | *11.89* |
| Natural Gas Liquids | **2.36** | **2.41** | **2.39** | **2.44** | **2.53** | **2.50** | **2.42** | **2.53** | **2.61** | **2.55** | **2.56** | **2.35** | **2.47** | *2.42* | *2.49* |
| Nuclear | **6.48** | **6.41** | **6.69** | **7.08** | **7.09** | **6.60** | **7.07** | **7.61** | **7.86** | **8.03** | **8.14** | **7.96** | **8.23** | *8.11* | *8.27* |
| Hydroelectric | **2.57** | **2.85** | **2.65** | **3.18** | **3.56** | **3.60** | **3.25** | **3.21** | **2.75** | **2.15** | **2.60** | **2.74** | **2.64** | *2.71* | *2.98* |
| Other Renewables | **3.29** | **3.26** | **3.38** | **3.46** | **3.55** | **3.43** | **3.26** | **3.33** | **3.35** | **3.09** | **3.15** | **3.26** | **3.39** | *3.32* | *3.29* |
| Total | **69.94** | **68.26** | **70.68** | **71.16** | **72.40** | **72.31** | **72.79** | **71.65** | **71.22** | **71.79** | **70.67** | **69.92** | **70.41** | *70.15* | *72.34* |
| **Net Imports** | | | | | | | | | | | | | | | |
| Coal | **-2.59** | **-1.76** | **-1.66** | **-2.08** | **-2.17** | **-2.01** | **-1.87** | **-1.30** | **-1.21** | **-0.77** | **-0.61** | **-0.49** | **-0.57** | *-0.49* | *-0.44* |
| Natural Gas | **1.94** | **2.25** | **2.52** | **2.74** | **2.85** | **2.90** | **3.06** | **3.50** | **3.62** | **3.69** | **3.58** | **3.40** | **3.51** | *3.39* | *3.66* |
| Crude Oil | **13.29** | **12.51** | **13.06** | **14.91** | **15.34** | **15.37** | **16.51** | **17.67** | **18.65** | **18.71** | **19.91** | **21.06** | **22.05** | *22.31* | *22.27* |
| Petroleum Products | **2.01** | **1.71** | **1.90** | **1.49** | **1.91** | **1.52** | **1.72** | **1.97** | **2.28** | **2.47** | **2.46** | **2.74** | **3.29** | *3.01* | *3.03* |
| Electricity | **0.09** | **0.09** | **0.15** | **0.13** | **0.14** | **0.12** | **0.09** | **0.10** | **0.12** | **0.08** | **0.08** | **0.02** | **0.04** | *0.07* | *0.05* |
| Coal Coke | **0.03** | **0.03** | **0.06** | **0.06** | **0.02** | **0.05** | **0.07** | **0.06** | **0.07** | **0.03** | **0.06** | **0.05** | **0.14** | *0.08* | *0.06* |
| Total | **14.77** | **14.84** | **16.03** | **17.25** | **18.10** | **17.95** | **19.57** | **22.00** | **23.53** | **24.20** | **25.49** | **26.78** | **28.47** | *28.38* | *28.64* |
| **Adjustments** [a] | **1.24** | **4.48** | **2.54** | **2.81** | **3.73** | **4.46** | **2.79** | **3.12** | **4.16** | **0.38** | **1.86** | **1.46** | **0.78** | *1.76* | *0.81* |
| **Demand** | | | | | | | | | | | | | | | |
| Coal | **19.12** | **19.84** | **19.91** | **20.09** | **21.00** | **21.45** | **21.66** | **21.62** | **22.58** | **21.94** | **22.22** | **22.81** | **22.39** | *23.19* | *23.23* |
| Natural Gas | **20.84** | **21.35** | **21.84** | **22.78** | **23.20** | **23.33** | **22.94** | **23.01** | **23.92** | **22.91** | **23.66** | **22.51** | **22.53** | *22.38* | *22.90* |
| Petroleum | **33.72** | **33.83** | **34.66** | **34.56** | **35.76** | **36.27** | **36.93** | **37.96** | **38.40** | **38.33** | **38.41** | **39.06** | **40.61** | *40.63* | *41.30* |
| Nuclear | **6.48** | **6.41** | **6.69** | **7.08** | **7.09** | **6.60** | **7.07** | **7.61** | **7.86** | **8.03** | **8.14** | **7.96** | **8.23** | *8.11* | *8.27* |
| Other | **5.79** | **6.15** | **6.14** | **6.72** | **7.18** | **7.09** | **6.55** | **6.57** | **6.14** | **5.17** | **5.59** | **5.83** | **5.91** | *5.98* | *6.08* |
| Total | **85.95** | **87.58** | **89.25** | **91.22** | **94.22** | **94.73** | **95.15** | **96.77** | **98.91** | **96.38** | **98.03** | **98.16** | **99.66** | *100.29* | *101.79* |

[a] Balancing item, includes stock changes, losses, gains, miscellaneous blending components, and unaccounted-for supply.

Sources: Historical data: *Annual Energy Review*, DOE/EIA-0384; projections generated by simulation of the Regional Short-Term Energy Model.

## Table A4. Annual Average U.S. Energy Prices: Medium Recovery Case

(Nominal Dollars)

| | Year | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
| **Crude Oil Prices** (dollars per barrel) | | | | | | | | | | | | | | | |
| Imported Average [a] | **18.20** | **16.13** | **15.53** | **17.14** | **20.62** | **18.49** | **12.07** | **17.26** | **27.72** | **22.00** | **23.71** | **27.73** | **35.99** | *50.98* | *56.39* |
| WTI [b] Spot Average | **20.54** | **18.49** | **17.16** | **18.41** | **22.11** | **20.61** | **14.45** | **19.25** | **30.29** | **25.95** | **26.12** | **31.12** | **41.44** | *58.77* | *63.46* |
| **Natural Gas** (dollars per thousand cubic feet) | | | | | | | | | | | | | | | |
| Average Wellhead | **1.74** | **2.04** | **1.85** | **1.55** | **2.17** | **2.32** | **1.96** | **2.19** | **3.70** | **4.01** | **2.95** | **4.89** | **5.50** | *7.81* | *7.64* |
| Henry Hub Spot | **1.83** | **2.19** | **1.97** | **1.74** | **2.84** | **2.57** | **2.15** | **2.34** | **4.45** | **4.09** | **3.47** | **5.64** | **6.06** | *8.82* | *8.42* |
| **Petroleum Products** | | | | | | | | | | | | | | | |
| Gasoline Retail [c] (dollars per gallon) | | | | | | | | | | | | | | | |
| All Grades | **1.14** | **1.13** | **1.13** | **1.16** | **1.25** | **1.24** | **1.07** | **1.18** | **1.53** | **1.47** | **1.39** | **1.60** | **1.89** | *2.37* | *2.45* |
| Regular Unleaded | **1.09** | **1.07** | **1.08** | **1.11** | **1.20** | **1.20** | **1.03** | **1.14** | **1.49** | **1.43** | **1.34** | **1.56** | **1.85** | *2.33* | *2.40* |
| No. 2 Diesel Oil, Retail (dollars per gallon) | **1.11** | **1.11** | **1.11** | **1.11** | **1.24** | **1.19** | **1.04** | **1.12** | **1.49** | **1.40** | **1.32** | **1.50** | **1.81** | *2.41* | *2.50* |
| No. 2 Heating Oil, Wholesale (dollars per gallon) | **0.58** | **0.54** | **0.51** | **0.51** | **0.64** | **0.59** | **0.42** | **0.49** | **0.89** | **0.76** | **0.69** | **0.88** | **1.13** | *1.70* | *1.76* |
| No. 2 Heating Oil, Retail (dollars per gallon) | **NA** | **NA** | **NA** | **0.87** | **0.99** | **0.98** | **0.85** | **0.87** | **1.31** | **1.25** | **1.13** | **1.36** | **1.54** | *2.09* | *2.26* |
| No. 6 Residual Fuel Oil, Retail [d] (dollars per barrel) | **14.21** | **14.00** | **14.79** | **16.49** | **19.01** | **17.82** | **12.83** | **16.02** | **25.34** | **22.24** | **23.82** | **29.40** | **31.02** | *44.69* | *46.68* |
| **Electric Power Sector** (dollars per million Btu) | | | | | | | | | | | | | | | |
| Coal | **1.41** | **1.38** | **1.36** | **1.32** | **1.29** | **1.27** | **1.25** | **1.22** | **1.20** | **1.23** | **1.25** | **1.27** | **1.35** | *1.55* | *1.62* |
| Heavy Fuel Oil [e] | **2.46** | **2.36** | **2.40** | **2.60** | **3.01** | **2.79** | **2.07** | **2.38** | **4.27** | **3.73** | **3.67** | **4.77** | **4.86** | *7.53* | *7.15* |
| Natural Gas | **2.33** | **2.56** | **2.23** | **1.98** | **2.64** | **2.76** | **2.38** | **2.57** | **4.34** | **4.44** | **3.55** | **5.37** | **5.94** | *8.33* | *7.96* |
| **Other Residential** | | | | | | | | | | | | | | | |
| Natural Gas (dollars per thousand cubic feet) | **5.89** | **6.17** | **6.41** | **6.06** | **6.35** | **6.95** | **6.83** | **6.69** | **7.77** | **9.63** | **7.90** | **9.51** | **10.74** | *13.03* | *15.33* |
| Electricity (cents per kilowatthour) | **8.23** | **8.34** | **8.40** | **8.40** | **8.36** | **8.43** | **8.26** | **8.16** | **8.24** | **8.62** | **8.46** | **8.70** | **8.92** | *9.22* | *9.37* |

[a] Refiner acquisition cost (RAC) of imported crude oil.
[b] West Texas Intermediate.
[c] Average self-service cash prices.
[d] Average for all sulfur contents.
[e] Includes fuel oils No. 4, No. 5, and No. 6 and topped crude fuel oil prices.

Notes: Prices exclude taxes, except prices for gasoline, residential natural gas, and diesel. Minor discrepancies with other published EIA historical data are due to independent rounding. Historical data are printed in bold; forecasts are in italics. The forecasts were generated by simulation of the Regional Short-Term Energy Model.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Petroleum Marketing Monthly*, DOE/EIA-0380; *Natural Gas Monthly*, DOE/EIA-0130; *Monthly Energy Review*, DOE/EIA-0035; *Electric Power Monthly*, DOE/EIA-0226.

## Table A5. Annual U.S. Petroleum Supply and Demand: Medium Recovery Case

(Million Barrels per Day, Except Closing Stocks)

| | Year | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
| **Supply** | | | | | | | | | | | | | | | |
| Crude Oil Supply | | | | | | | | | | | | | | | |
| Domestic Production [a] | **7.17** | **6.85** | **6.66** | **6.56** | **6.46** | **6.45** | **6.25** | **5.88** | **5.82** | **5.80** | **5.75** | **5.68** | **5.42** | *5.33* | *5.62* |
| Alaska | **1.71** | **1.58** | **1.56** | **1.48** | **1.39** | **1.30** | **1.17** | **1.05** | **0.97** | **0.96** | **0.98** | **0.97** | **0.91** | *0.88* | *0.85* |
| Lower 48 | **5.46** | **5.26** | **5.10** | **5.08** | **5.07** | **5.16** | **5.08** | **4.83** | **4.85** | **4.84** | **4.76** | **4.71** | **4.51** | *4.44* | *4.77* |
| Net Commercial Imports [b] | **5.98** | **6.67** | **6.95** | **7.14** | **7.40** | **8.12** | **8.60** | **8.60** | **9.01** | **9.30** | **9.12** | **9.65** | **10.06** | *10.21* | *10.19* |
| Net SPR Withdrawals | **0.01** | **-0.02** | **0.00** | **0.00** | **0.07** | **0.01** | **-0.02** | **0.02** | **0.08** | **-0.02** | **-0.12** | **-0.11** | **-0.10** | *-0.01* | *0.00* |
| Net Commercial Withdrawals | **0.00** | **-0.05** | **-0.01** | **0.09** | **0.05** | **-0.06** | **-0.05** | **0.11** | **0.00** | **-0.07** | **0.09** | **0.02** | **-0.05** | *-0.04* | *0.05* |
| Product Supplied and Losses | **-0.01** | **-0.01** | **-0.01** | **-0.01** | **-0.01** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | *0.00* | *0.00* |
| Unaccounted-for Crude Oil | **0.26** | **0.17** | **0.27** | **0.19** | **0.22** | **0.14** | **0.11** | **0.19** | **0.15** | **0.12** | **0.11** | **0.05** | **0.14** | *0.14* | *0.08* |
| Total Crude Oil Supply | **13.41** | **13.61** | **13.87** | **13.97** | **14.19** | **14.66** | **14.89** | **14.80** | **15.07** | **15.13** | **14.95** | **15.30** | **15.48** | *15.62* | *15.93* |
| Other Supply | | | | | | | | | | | | | | | |
| NGL Production | **1.70** | **1.74** | **1.73** | **1.76** | **1.83** | **1.82** | **1.76** | **1.85** | **1.91** | **1.87** | **1.88** | **1.72** | **1.81** | *1.78* | *1.83* |
| Other Hydrocarbon and Alcohol Inputs | **0.07** | **0.25** | **0.26** | **0.30** | **0.31** | **0.34** | **0.38** | **0.38** | **0.38** | **0.38** | **0.42** | **0.42** | **0.42** | *0.45* | *0.46* |
| Crude Oil Product Supplied | **0.01** | **0.01** | **0.01** | **0.01** | **0.01** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | *0.00* | *0.00* |
| Processing Gain | **0.77** | **0.77** | **0.77** | **0.77** | **0.84** | **0.85** | **0.89** | **0.89** | **0.95** | **0.90** | **0.96** | **0.97** | **1.05** | *1.03* | *1.02* |
| Net Product Imports [c] | **0.94** | **0.93** | **1.09** | **0.75** | **1.10** | **1.04** | **1.17** | **1.30** | **1.40** | **1.59** | **1.42** | **1.59** | **2.04** | *1.95* | *1.93* |
| Product Stock Withdrawn | **0.06** | **-0.05** | **0.00** | **0.15** | **0.03** | **-0.09** | **-0.17** | **0.30** | **0.00** | **-0.23** | **0.15** | **0.03** | **-0.06** | *0.00* | *-0.01* |
| Total Supply | **16.97** | **17.26** | **17.72** | **17.72** | **18.31** | **18.62** | **18.92** | **19.52** | **19.70** | **19.65** | **19.76** | **20.03** | **20.73** | *20.83* | *21.16* |
| **Demand** | | | | | | | | | | | | | | | |
| Motor Gasoline [d] | **7.38** | **7.48** | **7.60** | **7.79** | **7.89** | **8.02** | **8.25** | **8.43** | **8.47** | **8.61** | **8.85** | **8.93** | **9.11** | *9.16* | *9.30* |
| Jet Fuel | **1.45** | **1.47** | **1.53** | **1.51** | **1.58** | **1.60** | **1.62** | **1.67** | **1.73** | **1.66** | **1.61** | **1.58** | **1.63** | *1.64* | *1.70* |
| Distillate Fuel Oil | **2.98** | **3.04** | **3.16** | **3.21** | **3.37** | **3.44** | **3.46** | **3.57** | **3.72** | **3.85** | **3.78** | **3.93** | **4.06** | *4.16* | *4.24* |
| Residual Fuel Oil | **1.09** | **1.08** | **1.02** | **0.85** | **0.85** | **0.80** | **0.89** | **0.83** | **0.91** | **0.81** | **0.70** | **0.77** | **0.86** | *0.87* | *0.80* |
| Other Oils [e] | **4.20** | **4.17** | **4.41** | **4.36** | **4.63** | **4.77** | **4.69** | **5.01** | **4.87** | **4.73** | **4.82** | **4.82** | **5.07** | *5.00* | *5.12* |
| Total Demand | **17.10** | **17.24** | **17.72** | **17.72** | **18.31** | **18.62** | **18.92** | **19.52** | **19.70** | **19.65** | **19.76** | **20.03** | **20.73** | *20.83* | *21.16* |
| Total Petroleum Net Imports | **6.94** | **7.62** | **8.05** | **7.89** | **8.50** | **9.16** | **9.76** | **9.91** | **10.42** | **10.90** | **10.54** | **11.24** | **12.10** | *12.16* | *12.12* |
| Closing Stocks (million barrels) | | | | | | | | | | | | | | | |
| Crude Oil (excluding SPR) | **318** | **335** | **337** | **303** | **284** | **305** | **324** | **284** | **286** | **312** | **278** | **269** | **286** | *302* | *285* |
| Total Motor Gasoline | **216** | **226** | **215** | **202** | **195** | **210** | **216** | **193** | **196** | **210** | **209** | **207** | **218** | *206* | *215* |
| Jet Fuel | **43** | **40** | **47** | **40** | **40** | **44** | **45** | **41** | **45** | **42** | **39** | **39** | **40** | *40* | *40* |
| Distillate Fuel Oil | **141** | **141** | **145** | **130** | **127** | **138** | **156** | **125** | **118** | **145** | **134** | **137** | **126** | *136* | *134* |
| Residual Fuel Oil | **43** | **44** | **42** | **37** | **46** | **40** | **45** | **36** | **36** | **41** | **31** | **38** | **42** | *37* | *37* |
| Other Oils [f] | **263** | **273** | **275** | **258** | **250** | **259** | **291** | **246** | **247** | **287** | **257** | **241** | **257** | *264* | *259* |

[a] Includes lease condensate.
[b] Net imports equals gross imports plus SPR imports minus exports.
[c] Includes finished petroleum products, unfinished oils, gasoline blending components, and natural gas plant liquids for processing.
[d] For years prior to 1993, motor gasoline includes an estimate of fuel ethanol blended into gasoline and certain product reclassifications, not reported elsewhere in EIA. See Appendix B in EIA, *Short-Term Energy Outlook*, EIA/DOE-0202(93/3Q), for details on this adjustment.
[e] Includes crude oil product supplied, natural gas liquids, liquefied refinery gas, other liquids, and all finished petroleum products except motor gasoline, jet fuel, distillate, and residual fuel oil.
[f] Includes stocks of all other oils, such as aviation gasoline, kerosene, natural gas liquids (including ethane), aviation gasoline blending components, naphtha and other oils for petrochemical feedstock use, special naphthas, lube oils, wax, coke, asphalt, road oil, and miscellaneous oils.
SPR: Strategic Petroleum Reserve. NGL: Natural Gas Liquids
Notes: Minor discrepancies with other EIA published historical data are due to rounding, with the following exception: recent petroleum demand and supply data displayed here reflect the incorporation of resubmissions of the data as reported in EIA's *Petroleum Supply Monthly*, TableC1. Historical data are printed in bold; forecasts are in italics. The forecasts were generated by simulation of the Regional Short-Term Energy Model.
Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109, and *Weekly Petroleum Status Report*, DOE/EIA-0208.

## Table A6. Annual U.S. Natural Gas Supply and Demand: Medium Recovery Case

(Trillion Cubic Feet)

| | Year | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
| **Supply** | | | | | | | | | | | | | | | |
| Total Dry Gas Production | **17.84** | **18.10** | **18.82** | **18.60** | **18.78** | **18.83** | **19.02** | **18.83** | **19.18** | **19.62** | **18.93** | **19.04** | **18.92** | *18.63* | *19.28* |
| Gross Imports | **2.14** | **2.35** | **2.62** | **2.84** | **2.94** | **2.99** | **3.15** | **3.59** | **3.78** | **3.98** | **4.02** | **4.00** | **4.28** | *4.24* | *4.62* |
| Gross Exports | **0.22** | **0.14** | **0.16** | **0.15** | **0.15** | **0.16** | **0.16** | **0.16** | **0.24** | **0.37** | **0.52** | **0.69** | **0.85** | *0.93* | *1.05* |
| Net Imports | **1.92** | **2.21** | **2.46** | **2.69** | **2.78** | **2.84** | **2.99** | **3.42** | **3.54** | **3.60** | **3.50** | **3.30** | **3.42** | *3.31* | *3.57* |
| Supplemental Gaseous Fuels | **0.12** | **0.12** | **0.11** | **0.11** | **0.11** | **0.08** | **0.08** | **0.08** | **0.09** | **0.09** | **0.07** | **0.07** | **0.06** | *0.07* | *0.07* |
| Total New Supply | **19.88** | **20.42** | **21.39** | **21.40** | **21.68** | **21.74** | **22.10** | **22.34** | **22.81** | **23.31** | **22.49** | **22.41** | **22.40** | *22.01* | *22.91* |
| Working Gas in Storage | | | | | | | | | | | | | | | |
| Opening | **3.07** | **2.60** | **2.32** | **2.61** | **2.15** | **2.17** | **2.17** | **2.73** | **2.52** | **1.72** | **2.90** | **2.38** | **2.56** | *2.70* | *2.37* |
| Closing | **2.60** | **2.32** | **2.61** | **2.15** | **2.17** | **2.17** | **2.73** | **2.52** | **1.72** | **2.90** | **2.38** | **2.56** | **2.70** | *2.37* | *2.43* |
| Net Withdrawals | **0.47** | **0.28** | **-0.28** | **0.45** | **-0.02** | **0.00** | **-0.56** | **0.21** | **0.80** | **-1.18** | **0.53** | **-0.19** | **-0.13** | *0.33* | *-0.06* |
| Total Supply | **20.35** | **20.70** | **21.11** | **21.85** | **21.66** | **21.74** | **21.54** | **22.54** | **23.61** | **22.12** | **23.02** | **22.22** | **22.27** | *22.34* | *22.85* |
| Balancing Item [a] | **-0.12** | **0.09** | **0.14** | **0.36** | **0.95** | **0.99** | **0.70** | **-0.14** | **-0.16** | **0.12** | **-0.02** | **0.15** | **0.16** | *-0.05* | *-0.04* |
| Total Primary Supply | **20.23** | **20.79** | **21.25** | **22.21** | **22.60** | **22.73** | **22.25** | **22.41** | **23.45** | **22.24** | **23.01** | **22.38** | **22.43** | *22.28* | *22.81* |
| **Demand** | | | | | | | | | | | | | | | |
| Residential | **4.69** | **4.96** | **4.85** | **4.85** | **5.24** | **4.98** | **4.52** | **4.73** | **5.00** | **4.77** | **4.89** | **5.08** | **4.88** | *4.93* | *5.05* |
| Commercial | **2.80** | **2.86** | **2.90** | **3.03** | **3.16** | **3.21** | **3.00** | **3.04** | **3.18** | **3.02** | **3.14** | **3.22** | **2.99** | *3.06* | *3.03* |
| Industrial | **8.70** | **8.87** | **8.91** | **9.38** | **9.68** | **9.71** | **9.49** | **9.16** | **9.40** | **8.46** | **8.62** | **8.26** | **8.52** | *8.13* | *8.45* |
| Lease and Plant Fuel | **1.17** | **1.17** | **1.12** | **1.22** | **1.25** | **1.20** | **1.17** | **1.08** | **1.15** | **1.12** | **1.11** | **1.12** | **1.12** | *1.10* | *1.12* |
| Other Industrial | **7.53** | **7.70** | **7.79** | **8.16** | **8.44** | **8.51** | **8.32** | **8.08** | **8.25** | **7.34** | **7.51** | **7.14** | **7.41** | *7.03* | *7.33* |
| CHP [b] | **1.11** | **1.12** | **1.18** | **1.26** | **1.29** | **1.28** | **1.35** | **1.40** | **1.39** | **1.31** | **1.24** | **1.14** | **1.16** | *1.12* | *1.13* |
| Non-CHP | **6.42** | **6.58** | **6.61** | **6.90** | **7.15** | **7.23** | **6.97** | **6.68** | **6.87** | **6.03** | **6.27** | **6.00** | **6.25** | *5.91* | *6.19* |
| Transportation [c] | **0.59** | **0.63** | **0.69** | **0.70** | **0.72** | **0.76** | **0.64** | **0.66** | **0.66** | **0.64** | **0.68** | **0.68** | **0.69** | *0.72* | *0.71* |
| Electric Power [d] | **3.45** | **3.47** | **3.90** | **4.24** | **3.81** | **4.06** | **4.59** | **4.82** | **5.21** | **5.34** | **5.67** | **5.14** | **5.35** | *5.44* | *5.58* |
| Total Demand | **20.23** | **20.79** | **21.25** | **22.21** | **22.60** | **22.73** | **22.25** | **22.41** | **23.45** | **22.24** | **23.01** | **22.38** | **22.43** | *22.28* | *22.81* |

[a] The balancing item represents the difference between the sum of the components of natural gas supply and the sum of components of natural gas demand.

[b] Natural gas used for electricity generation and production of useful thermal output by combined heat and power (CHP) plants at industrial facilities. Includes a small amount of natural gas consumption at electricity-only plants in the industrial sector.

[c] Pipeline fuel use plus natural gas used as vehicle fuel.

[d] Natural gas used for electricity generation and (a limited amount of) useful thermal output by electric utilities and independent power producers.

Notes: Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; forecasts are in italics. The forecasts were generated by simulation of the Regional Short-Term Energy Model.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Natural Gas Monthly*, DOE/EIA-0130; *Electric Power Monthly*, DOE/EIA-0226; Projections: EIA, Short-Term Integrated Forecasting System database, and Office of Oil and Gas, Reserves and Production Division.

## Table A7. Annual U.S. Coal Supply and Demand: Medium Recovery Case

(Million Short Tons)

| | Year | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
| **Supply** | | | | | | | | | | | | | | | |
| Production | **997.5** | **945.4** | **1033.5** | **1033.0** | **1063.9** | **1089.9** | **1117.5** | **1100.4** | **1073.6** | **1127.7** | **1094.3** | **1071.8** | **1111.5** | *1132.2* | *1154.4* |
| Appalachia | **456.6** | **409.7** | **445.4** | **434.9** | **451.9** | **467.8** | **460.4** | **425.6** | **419.4** | **432.8** | **397.0** | **376.8** | **390.1** | *387.6* | *389.9* |
| Interior | **195.7** | **167.2** | **179.9** | **168.5** | **172.8** | **170.9** | **168.4** | **162.5** | **143.5** | **147.0** | **146.9** | **146.3** | **146.2** | *147.3* | *149.4* |
| Western | **345.3** | **368.5** | **408.3** | **429.6** | **439.1** | **451.3** | **488.8** | **512.3** | **510.7** | **547.9** | **550.4** | **548.7** | **575.2** | *597.3* | *615.1* |
| Primary Stock Levels [a] | | | | | | | | | | | | | | | |
| Opening | **29.0** | **34.0** | **25.3** | **33.2** | **34.4** | **28.6** | **34.0** | **36.5** | **39.5** | **31.9** | **35.9** | **43.3** | **38.3** | *34.4* | *34.6* |
| Closing | **34.0** | **25.3** | **33.2** | **34.4** | **28.6** | **34.0** | **36.5** | **39.5** | **31.9** | **35.9** | **43.3** | **38.3** | **34.4** | *34.6* | *35.1* |
| Net Withdrawals | **-5.0** | **8.7** | **-7.9** | **-1.2** | **5.8** | **-5.3** | **-2.6** | **-2.9** | **7.6** | **-4.0** | **-7.4** | **5.0** | **3.9** | *-0.2* | *-0.5* |
| Imports | **3.8** | **8.2** | **8.9** | **9.5** | **8.1** | **7.5** | **8.7** | **9.1** | **12.5** | **19.8** | **16.9** | **25.0** | **27.3** | *32.6* | *36.1* |
| Exports | **102.5** | **74.5** | **71.4** | **88.5** | **90.5** | **83.5** | **78.0** | **58.5** | **58.5** | **48.7** | **39.6** | **43.0** | **48.0** | *49.9* | *51.3* |
| Total Net Domestic Supply | **893.8** | **887.8** | **963.1** | **952.7** | **987.3** | **1008.5** | **1045.7** | **1048.1** | **1035.2** | **1094.8** | **1064.2** | **1058.8** | **1094.7** | *1114.8* | *1138.7* |
| Secondary Stock Levels [b] | | | | | | | | | | | | | | | |
| Opening | **170.2** | **166.8** | **123.1** | **139.6** | **138.0** | **126.0** | **108.8** | **131.6** | **149.1** | **108.5** | **146.0** | **148.9** | **127.2** | *112.9* | *105.0* |
| Closing | **166.8** | **123.1** | **139.6** | **138.0** | **126.0** | **108.8** | **131.6** | **149.1** | **108.5** | **146.0** | **148.9** | **127.2** | **112.9** | *105.0* | *113.6* |
| Net Withdrawals | **3.3** | **43.8** | **-16.5** | **1.5** | **12.0** | **17.2** | **-22.8** | **-17.5** | **40.7** | **-37.6** | **-2.9** | **21.7** | **14.3** | *7.9* | *-8.6* |
| Waste Coal Supplied to IPPs [c] | **6.0** | **6.4** | **7.9** | **8.5** | **8.8** | **8.1** | **9.0** | **9.6** | **10.1** | **10.6** | **11.1** | **11.6** | **12.5** | *15.1* | *15.1* |
| Total Supply | **903.2** | **937.9** | **954.5** | **962.7** | **1008.1** | **1033.9** | **1031.8** | **1040.2** | **1086.0** | **1067.9** | **1072.4** | **1092.0** | **1121.5** | *1137.8* | *1145.2* |
| **Demand** | | | | | | | | | | | | | | | |
| Coke Plants | **32.4** | **31.3** | **31.7** | **33.0** | **31.7** | **30.2** | **28.2** | **28.1** | **28.9** | **26.1** | **23.7** | **24.2** | **23.7** | *25.0* | *26.1* |
| Electric Power Sector [d] | **795.1** | **831.6** | **838.4** | **850.2** | **896.9** | **921.4** | **936.6** | **940.9** | **985.8** | **964.4** | **977.5** | **1005.1** | **1015.1** | *1046.2* | *1050.2* |
| Retail and General Industry | **80.2** | **81.1** | **81.2** | **78.9** | **77.7** | **78.0** | **72.3** | **69.6** | **69.3** | **69.6** | **65.2** | **65.5** | **65.5** | *69.2* | *68.9* |
| Residential and Commercial | **6.2** | **6.2** | **6.0** | **5.8** | **6.0** | **6.5** | **4.9** | **4.9** | **4.1** | **4.4** | **4.4** | **4.2** | **4.2** | *4.6* | *4.2* |
| Industrial | **74.0** | **74.9** | **75.2** | **73.1** | **71.7** | **71.5** | **67.4** | **64.7** | **65.2** | **65.3** | **60.7** | **61.3** | **61.2** | *64.5* | *64.6* |
| CHP [e] | **28.2** | **28.9** | **29.7** | **29.4** | **29.4** | **29.9** | **28.6** | **27.8** | **28.0** | **25.8** | **26.2** | **24.8** | **28.0** | *26.4* | *26.7* |
| Non-CHP | **45.8** | **46.0** | **45.5** | **43.7** | **42.3** | **41.7** | **38.9** | **37.0** | **37.2** | **39.5** | **34.5** | **36.4** | **33.2** | *38.1* | *37.9* |
| Total Demand [f] | **907.7** | **944.1** | **951.3** | **962.1** | **1006.3** | **1029.5** | **1037.1** | **1038.6** | **1084.1** | **1060.1** | **1066.4** | **1094.9** | **1104.3** | *1140.4* | *1145.2* |
| Discrepancy [g] | **-4.5** | **-6.1** | **3.2** | **0.6** | **1.7** | **4.3** | **-5.3** | **1.6** | **1.9** | **7.7** | **6.1** | **-2.8** | **17.2** | *-2.7* | *0.0* |

[a] Primary stocks are held at the mines, preparation plants, and distribution points.
[b] Secondary stocks are held by users. It includes an estimate of stocks held at utility plants sold to nonutility generators.
[c] Estimated independent power producers (IPPs) consumption of waste coal. This item includes waste coal and coal slurry reprocessed into briquettes.
[d] Estimates of coal consumption by IPPs, supplied by the Office of Coal, Nuclear, Electric, and Alternate Fuels, EIA.
[e] Coal used for electricity generation and production of useful thermal output by combined heat and power (CHP) plants at industrial facilities. Includes a small amount of coal consumption at electricity–only plants in the industrial sector.
[f] Total Demand includes estimated IPP consumption.
[g] The discrepancy reflects an unaccounted-for shipper and receiver reporting difference, assumed to be zero in the forecast period. Prior to 1994, discrepancy may include some waste coal supplied to IPPs that has not been specifically identified.

Notes: Rows and columns may not add due to independent rounding. Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System or by EIA's office of Coal, Nuclear, Electric and Alternate Fuels (coal production).

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Quarterly Coal Report*, DOE/EIA-0121, and *Electric Power Monthly*, DOE/EIA-0226. Projections: EIA, Regional Short-Term Energy Model database, and Office of Coal, Nuclear, Electric and Alternate Fuels.

## Table A8. Annual U.S. Electricity Supply and Demand: Medium Recovery Case

(Billion Kilowatt-hours)

| | Year | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
| **Net Electricity Generation** | | | | | | | | | | | | | | | |
| Electric Power Sector [a] | | | | | | | | | | | | | | | |
| Coal | **1597.7** | **1665.5** | **1666.3** | **1686.1** | **1772.0** | **1820.8** | **1850.2** | **1858.6** | **1943.1** | **1882.8** | **1910.6** | **1952.7** | **1954.0** | *2006.4* | *2014.2* |
| Petroleum | **92.2** | **105.4** | **98.7** | **68.1** | **74.8** | **86.5** | **122.2** | **111.5** | **105.2** | **119.1** | **89.7** | **113.7** | **112.5** | *108.6* | *102.3* |
| Natural Gas | **334.3** | **342.2** | **385.7** | **419.2** | **378.8** | **399.6** | **449.3** | **473.0** | **518.0** | **554.9** | **607.7** | **567.3** | **618.6** | *638.1* | *668.3* |
| Nuclear | **618.8** | **610.3** | **640.4** | **673.4** | **674.7** | **628.6** | **673.7** | **728.3** | **753.9** | **768.8** | **780.1** | **763.7** | **788.5** | *777.1* | *792.1* |
| Hydroelectric | **245.8** | **273.5** | **250.6** | **302.7** | **338.1** | **346.6** | **313.4** | **308.6** | **265.8** | **204.9** | **251.7** | **260.6** | **256.6** | *264.3* | *290.3* |
| Other [b] | **45.5** | **47.0** | **47.0** | **44.8** | **45.8** | **47.3** | **48.6** | **50.0** | **51.6** | **49.4** | **58.6** | **63.1** | **63.5** | *74.1* | *84.6* |
| Subtotal | **2934.4** | **3043.9** | **3088.7** | **3194.2** | **3284.1** | **3329.4** | **3457.4** | **3530.0** | **3637.5** | **3580.1** | **3698.5** | **3721.2** | **3793.6** | *3868.7* | *3951.9* |
| Other Sectors [c] | **149.5** | **153.3** | **158.8** | **159.3** | **160.0** | **162.8** | **162.9** | **164.8** | **164.6** | **156.6** | **160.0** | **162.0** | **159.8** | *161.7* | *162.6* |
| Total | **3083.9** | **3197.2** | **3247.5** | **3353.5** | **3444.2** | **3492.2** | **3620.3** | **3694.8** | **3802.1** | **3736.6** | **3858.5** | **3883.2** | **3953.4** | *4030.4* | *4114.6* |
| Net Imports | **25.4** | **27.8** | **44.8** | **39.2** | **40.2** | **34.1** | **25.9** | **29.0** | **33.8** | **22.0** | **22.8** | **6.4** | **11.3** | *22.0* | *15.9* |
| Total Supply | **3109.3** | **3225.0** | **3292.3** | **3392.7** | **3484.4** | **3526.2** | **3646.2** | **3723.8** | **3835.9** | **3758.7** | **3881.3** | **3889.6** | **3964.7** | *4052.3* | *4130.5* |
| Losses and Unaccounted for [d] | **223.7** | **236.0** | **223.7** | **235.4** | **237.4** | **232.2** | **221.0** | **229.2** | **233.0** | **216.1** | **242.1** | **222.5** | **237.8** | *232.7* | *237.2* |
| **Demand** | | | | | | | | | | | | | | | |
| Retail Sales [e] | | | | | | | | | | | | | | | |
| Residential | **935.9** | **994.8** | **1008.5** | **1042.5** | **1082.5** | **1075.9** | **1130.1** | **1144.9** | **1192.4** | **1202.6** | **1267.0** | **1273.5** | **1293.4** | *1342.6* | *1374.5* |
| Commercial [f] | **850.0** | **884.7** | **913.1** | **953.1** | **980.1** | **1026.6** | **1078.0** | **1103.8** | **1159.3** | **1197.4** | **1217.9** | **1199.7** | **1228.5** | *1262.4* | *1285.0* |
| Industrial | **972.7** | **977.2** | **1008.0** | **1012.7** | **1033.6** | **1038.2** | **1051.2** | **1058.2** | **1064.2** | **964.2** | **972.2** | **1008.0** | **1020.9** | *1027.6* | *1044.9* |
| Transportation [g] | **4.7** | **4.8** | **5.0** | **5.0** | **4.9** | **4.9** | **5.0** | **5.1** | **5.4** | **5.5** | **5.5** | **7.0** | **7.7** | *8.5* | *9.3* |
| Subtotal | **2763.4** | **2861.5** | **2934.6** | **3013.3** | **3101.1** | **3145.6** | **3264.2** | **3312.1** | **3421.4** | **3369.8** | **3462.5** | **3488.2** | **3550.5** | *3641.1* | *3713.8* |
| Other Use/Sales [h] | **122.3** | **127.5** | **134.1** | **144.1** | **145.9** | **148.4** | **160.9** | **182.5** | **181.5** | **172.8** | **176.6** | **178.9** | **176.4** | *178.5* | *179.5* |
| Total Demand | **2885.6** | **2989.0** | **3068.7** | **3157.3** | **3247.0** | **3294.0** | **3425.1** | **3494.6** | **3602.9** | **3542.6** | **3639.1** | **3667.1** | **3726.9** | *3819.6* | *3893.3* |

[a] Electric Utilities and independent power producers.

[b] "Other" includes generation from other gaseous fuels, geothermal, wind, wood, waste, and solar sources.

[c] Electricity generation from combined heat and power facilities and electricity-only plants in the industrial and commercial sectors.

[d] Balancing item, mainly transmission and distribution losses.

[e] Total of retail electricity sales by electric utilities and power marketers. Utility sales for historical periods are reported in EIA'S *Electric Power Monthly* and *Electric Power Annual*. Power marketers' sales are reported annually in Appendix C of EIA's *Electric Sales and Revenue*. Quarterly data for power marketers (and thus retail sales totals) are imputed. Data for 2003 are estimated.

[f] Commercial sector, including public street and highway lighting, interdepartmental sales and other sales to public authorities. These items, along with transportation sector; electricity were formerly included in an "other" category, which is no longer provided. (See EIA 's Monthly Energy Review, Table 7.5, for a comparison of "Old Basis" and "New Basis" electricity retail sales.) Through 2003, data are estimated as the sum of "Old Basis Commercial" and approximately 95 percent of "Old Basis Other"; beginning in 2004, data are actual survey data.

[g] Transportation sector, including sales to railroads and railways. Through 2003, data are estimated as approximately 5 percent of "Old Basis Other"; beginning in 2004, data are actual survey data.

[h] Defined as the sum of facility use of onsite net electricity generation plus direct sales of power by industrial- or commercial-sector generators to third parties, reported annually in Table 7.5 of the *Monthly Energy Review* (MER). Data for 2003 are estimates.

Notes: Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System and by EIA's office of Coal, Nuclear, Electric and Alternate Fuels (hydroelectric and nuclear).

Sources: Historical data: EIA: latest data available from EIA databases supporting the following report: *Electric Power Monthly*, DOE/EIA-0226. Projections: EIA, Regional Short-Term Energy Model database, and Office of Coal, Nuclear, Electric and Alternate Fuels.