

Short-Term Energy Outlook

September 9, 2008 Release

Highlights

- The monthly average price of West Texas Intermediate (WTI) crude oil decreased from over \$133 per barrel in June and July to about \$117 per barrel in August, reflecting expectations of a slowdown in world petroleum demand growth. WTI, which averaged \$72 per barrel in 2007, is projected to average \$116 per barrel in 2008. Projected stronger growth in world petroleum demand is expected to increase the annual average WTI price to \$126 per barrel in 2009.
- The weekly price of regular-grade gasoline, which peaked at \$4.11 per gallon on July 14, averaged \$3.65 per gallon on September 8. Annual average retail gasoline and diesel prices in 2008 are projected to be \$3.61 and \$4.09 per gallon, respectively, compared with \$2.81 for gasoline and \$2.88 for diesel in 2007. Following the expected increase in the annual average crude oil price, gasoline and diesel prices are projected to average \$3.88 and \$4.26 per gallon, respectively, in 2009.
- The Henry Hub natural gas spot price averaged \$7.17 per thousand cubic feet (Mcf) in 2007 and is expected to average about \$9.70 per Mcf in 2008 and \$8.55 per Mcf in 2009.
- Residential heating oil prices during the upcoming heating season (October through March) are projected to average \$4.13 per gallon, an increase of about 25 percent over last heating season. Residential natural gas prices over the same period are projected to average \$14.93 per Mcf compared with \$12.72 per Mcf during the last heating season, an increase of about 17 percent.
- Heating fuel expenditures for the average household using oil as its primary heating fuel are expected to increase by \$585 (30 percent) over last winter. The corresponding average expenditure increases for households heated with natural gas and propane are \$162 (19 percent) and \$217 (13 percent), respectively.

Global Petroleum

Overview. Sluggish Organization for Economic Cooperation and Development (OECD) consumption and prospects for increased supplies from producers outside of the Organization of the Petroleum Exporting Countries (OPEC) in the coming year have weakened market conditions. Lower demand for OPEC oil and a rebound in global surplus production capacity is expected to provide the market with a potential cushion against supply disappointments over the near term. Sentiment that a slowdown in the global economy will dampen world oil consumption growth appears to be overshadowing supply concerns stemming from geopolitical events and the absence of normal inventory build in the OECD countries through mid-2008. The disruption of Caspian export flows in August, continued tensions between Russia and Georgia, and Hurricane Gustav all failed to raise prices.

The future price path will be influenced by the pace of world gross domestic product (GDP) growth and OPEC behavior. OPEC met on September 9 in Vienna to review market conditions. EIA expects that OPEC will continue to assess market conditions in the months ahead, and will lower crude oil production over the next few quarters in order to prevent a sharp decline in prices. The main upside price risk is that the slowdown in global oil demand growth is temporary and that demand will recover. Important downside price risks include weaker demand growth due to the lagged impact of higher oil prices, weaker economic activity than anticipated, or the absence of a substantial reduction in OPEC crude oil production.

Consumption. After rising by about 370,000 barrels per day (bbl/d) during the first half of 2008, global oil consumption is projected to rise by about 970,000 bbl/d in the second half of 2008 and by 920,000 bbl/d in all of 2009 compared with year-earlier levels. Sluggish growth in consumption during the first half of 2008 was driven in large part by a 930,000-bbl/d decline in U.S. consumption. Declines in U.S. oil consumption are not expected to be as large in the second half of this year due to both relatively weak consumption in the second half of last year and the price declines over the past several months. The global oil consumption growth projections for the third and fourth quarters of 2008 represent a 130,000-bbl/d downward revision from last month's *Outlook*, mainly reflecting weaker demand in OECD countries.

Reports indicate that China plans to halt imports of selected products in September to draw down stocks built up before the Olympics. Moderation in China's demand, however, is expected to be temporary, as sustained economic growth is expected to support oil consumption growth. Over both years, lower OECD consumption is expected to be more than offset by continued non-OECD consumption growth, led by China, the Middle East, Latin America, and India ([World Oil Consumption](#)).

Non-OPEC Supply. The non-OPEC oil supply situation is expected to improve through the end of next year. If new projects come online as now anticipated, total non-OPEC supply is projected to rise by about 300,000 bbl/d in the second half of 2008 and by about 900,000 bbl/d in 2009 compared with year-earlier levels. This compares with a 280,000-bbl/d decline in non-OPEC supply recorded during the first half of 2008. Non-OPEC supply growth through 2009 is expected to be led by the United States, Brazil, and Azerbaijan ([Non-OPEC Oil Production Growth](#)). The combination of possible additional delays in key projects, heightened risks to Caspian export flows, potential impacts from hurricanes over the next few months, and the risk of weaker production trends in Russia, Mexico, and the North Sea could dampen non-OPEC supply growth, leading to both higher demand for OPEC oil and higher prices than currently projected.

OPEC Supply. OPEC crude oil production is expected to increase to 32.9 million bbl/d during the third quarter of 2008, up from 32.3 million bbl/d in the second quarter. The forecast assumes that Saudi Arabia will maintain its July 9.7-million-bbl/d production level in August and September, representing a 400,000-bbl/d rise from second quarter levels. Amid weaker market conditions and declining prices, OPEC met in Vienna on September 9 to review market conditions and consider revising its production strategy.

OPEC crude oil production is projected to drop back to about 32.8 million bbl/d in the fourth quarter of 2008 and continue to decline to an average of 32.1 million bbl/d in 2009, keeping OECD inventories near 5-year average levels measured in days of forward consumption. Lower crude oil production, combined with planned increases in OPEC total liquids production capacity, suggests OPEC surplus crude production capacity could increase from 1.2 million bbl/d currently to about 3 million bbl/d by the end of next year ([OPEC Surplus Oil Production Capacity](#)).

Inventories. Revised data indicate OECD commercial inventories during the second quarter of 2008 declined by 120,000 bbl/d, well below the average build of 910,000 bbl/d during this time of year. At the end of the second quarter, estimated OECD commercial inventories stood at 2.56 billion barrels, equal to about 53 days of forward consumption, which is close to normal levels ([Days of Supply of OECD Commercial Stocks](#)). OECD commercial inventories are projected to rise by 90,000 bbl/d in the third quarter compared with the average seasonal build of 450,000 bbl/d, which, due to falling OECD consumption, would leave OECD commercial inventories at near-normal levels in terms of days of supply at the end of the third quarter.

U.S. Petroleum

Consumption. Total U.S. petroleum and other liquids consumption is projected to decline by 610,000 bbl/d, or about 3 percent, in 2008 based on prospects for a weaker economy and high crude oil and product prices continuing into 2009 ([U.S. Petroleum Products Consumption Growth](#)). Preliminary July and August 2008 weekly survey data indicate that year-over-year declines in total consumption, which began in August 2007, have narrowed since earlier this year. During the first 6 months of 2008, total petroleum consumption fell by an average of 930,000 bbl/d compared with consumption during the same period in 2007. During July and August, the year-over-year declines averaged 660,000 bbl/d. For the rest of the year (September through December), the year-to-year decline in consumption is projected to narrow to an average of about 130,000 bbl/d.

Supply. In 2008, total domestic crude oil output is projected to average 5.13 million bbl/d, up slightly from the 2007 average of 5.06 million bbl/d ([U.S. Crude Oil Production](#)). Production growth in the lower-48 region is expected to more than offset declines in Alaskan output. This projection includes an assumption of hurricane-induced outages of about 14.5 million barrels for the offshore region in 2008 (see [Hurricane Outlook](#)). In 2009, total crude oil production is projected to increase to 5.42 million bbl/d, mostly because of the Thunder Horse and Tahiti platforms coming on-stream in late 2008 and 2009, respectively. Fuel ethanol production is projected to increase from an annual average of 430,000 bbl/d in 2007 to 590,000 bbl/d in 2008 and to 660,000 bbl/d in 2009. Because of declining petroleum consumption and growing ethanol production, total net imports of petroleum are expected to fall by 740,000 bbl/d in 2008 and by a further 460,000 bbl/d in 2009.

Prices. WTI crude oil prices, which averaged \$72 per barrel in 2007 ([Crude Oil Prices](#)), are projected to average \$116 per barrel in 2008 and \$126 per barrel in 2009. Regular-grade motor gasoline retail prices, which averaged \$2.81 per gallon in 2007, are projected to rise to an average of \$3.61 per gallon this year and \$3.88 per gallon in 2009. This forecast projects continuing weak gasoline margins because of the decline in gasoline consumption and growth in ethanol use. Diesel fuel retail prices in 2008 are projected to average \$4.09 per gallon, up from \$2.88 per gallon in 2007, and increase to an average of \$4.26 per gallon in 2009. Diesel prices reflect continuing strength in demand, particularly in emerging global markets, which has significantly increased the margins between diesel prices and crude oil costs from their 2007 level.

Natural Gas

Consumption. Total natural gas consumption is expected to increase by 2.7 percent in 2008 and by 2.2 percent in 2009 ([Total U.S. Natural Gas Consumption Growth](#)).

Consumption growth is expected in all sectors during the forecast period, led by the residential and commercial sectors in 2008 and electric power in 2009. Despite higher prices through the first half of 2008, natural gas consumption in the industrial sector increased by 3.7 percent compared with the corresponding period in 2007.

Consumption in the industrial sector is expected to increase by 1.6 percent in 2008 and by 1.4 percent in 2009. However, fragile domestic economic conditions add significant uncertainty to the forecast.

Production and Imports. Total U.S. marketed natural gas production is expected to increase by 7.8 percent in 2008 and by 3.8 percent in 2009. Strong year-over-year production growth has been led by the development of onshore fields, particularly in Texas and Wyoming, where production increased by 16 and 12 percent, respectively, during the first 6 months of 2008 relative to year-ago levels. The increase in lower-48 production excluding the Federal Gulf of Mexico (GOM) has more than offset the year-over-year decline of almost 3 percent during the first half of 2008 in Federal GOM production. Federal GOM production in 2008 is projected to be slightly lower than in 2007, followed by a 4.3 percent increase in 2009. Production in the lower-48 non-Gulf region is expected to increase by 9.5 percent in 2008 and by 3.8 percent in 2009, though the projection of supply growth next year remains subject to expectations about natural gas prices.

U.S. imports of liquefied natural gas (LNG) have been severely hampered by global LNG demand growth and higher relative prices in the Asia-Pacific region and Europe. For 2008, LNG imports are expected to total about 350 billion cubic feet (Bcf), a decline of more than 50 percent, or 420 Bcf, from 2007, and then to total about 450 Bcf in 2009 as new global LNG supply is added to the market.

Inventories. On August 29, 2008, working natural gas in storage was 2,847 Bcf ([U.S. Working Natural Gas in Storage](#)). Current inventories are now 102 Bcf above the 5-year average (2003–2007) and 148 Bcf below the level during the corresponding week last year.

Prices. The Henry Hub spot price averaged \$8.49 per Mcf in August, \$2.96 per Mcf below the average spot price in July. Mild temperatures, increasing production, and lower oil prices all contributed to the price decline. Cooling degree-days in August were 4 percent below normal and 14 percent below the 5-year average. In the near term, potential hurricane disruptions present the greatest uncertainty in the price

forecast. September has historically been the peak month for hurricane activity, and EIA's current *Outlook* assumptions include shut-in production of 65 Bcf for the remainder of the season attributable to Gulf Coast storms. Nevertheless, continued growth in onshore production is expected to limit any large and sustained increases in the natural gas spot price. On an annual basis, the Henry Hub spot price is expected to average about \$9.71 per Mcf in 2008 and \$8.55 per Mcf in 2009, a decline of \$0.33 and \$0.46 per Mcf, respectively, from the previous forecast.

Electricity

Consumption. As noted above, August 2008 was much cooler than in recent years ([U.S. Summer Cooling Degree-Days](#)), with particularly mild temperatures in the Midwest region. The projected growth in electricity consumption during 2008 has been lowered from last month's *Outlook* to 0.8 percent ([U.S. Total Electricity Consumption](#)).

Prices. Some utilities increased electricity rates beginning in July and more increases are expected in the upcoming months. Average U.S. residential electricity prices are projected to increase by 5.7 percent in 2008 and by 9.5 percent in 2009 ([U.S. Residential Electricity Prices](#)).

Coal

Consumption. Electric-power-sector coal consumption grew by 1.9 percent in 2007. Although first-quarter 2008 electric-power-sector coal consumption grew by about 2 percent compared with first-quarter 2007, slow growth in total electricity consumption is expected to limit growth in the sector to just 0.7 percent in 2008. In 2009, a small increase in electricity consumption, combined with projected increases from other generation sources (nuclear, natural gas, hydroelectric, and wind), will lead to a very slight decline in electric-power-sector coal consumption ([U.S. Coal Consumption Growth](#)).

Production and Inventories. U.S. coal production ([U.S. Annual Coal Production](#)) fell by 1.4 percent in 2007. Growth in both domestic consumption and particularly in exports is expected to contribute to a 2.9-percent increase in coal production in 2008. Secondary (consumer-held) coal stocks, which grew to 159 million short tons in 2007, are expected to remain stable in 2008 and grow by an average of 2.8 percent in 2009.

Exports. In the first half of 2008, U.S. coal exports increased by 13 million short tons, or 50 percent, over first-half 2007 shipments. Strong global demand for coal, combined with supply disruptions in several key coal exporting countries (Australia,

South Africa, and China), were the primary factors behind the increase in U.S. coal exports. Although the supply disruptions have ended, continued robust worldwide demand for coal is projected to lead to an overall 45-percent increase in U.S. coal exports in 2008. Coal exports are projected to be 86.5 million short tons in 2009.

Table SF01. U.S. Motor Gasoline Summer Outlook

Energy Information Administration/Short-Term Energy Outlook -- September 2008

	2007			2008			Year-over-year Change (percent)		
	Q2	Q3	Season	Q2	Q3	Season	Q2	Q3	Season
Prices (dollars per gallon)									
WTI Crude Oil (Spot) ^a	1.55	1.80	1.67	2.95	2.90	2.92	90.8	61.2	74.8
Imported Crude Oil Price ^b	1.48	1.68	1.58	2.75	2.71	2.73	85.7	62.0	73.1
U.S. Refiner Average Crude Oil Cost	1.49	1.70	1.59	2.79	2.75	2.77	87.8	61.9	73.8
Wholesale Gasoline Price ^c	2.38	2.22	2.30	3.15	3.12	3.13	32.5	40.4	36.4
Wholesale Diesel Fuel Price ^c	2.12	2.24	2.18	3.64	3.41	3.53	71.8	52.0	61.6
Regular Gasoline Retail Price ^d	3.02	2.85	2.94	3.76	3.85	3.80	24.5	34.9	29.6
Diesel Fuel Retail Price ^d	2.81	2.90	2.85	4.39	4.37	4.38	55.9	50.8	53.3
Gasoline Consumption/Supply (million barrels per day)									
Total Consumption	9.381	9.495	9.438	9.135	9.318	9.227	-2.6	-1.9	-2.2
Total Output ^e	8.181	8.339	8.260	7.954	8.157	8.056	-2.8	-2.2	-2.5
Total Stock Withdrawal ^f	-0.044	0.060	0.009	0.126	0.145	0.135			
Net Imports ^f	1.244	1.095	1.169	1.056	1.016	1.036	-15.1	-7.2	-11.4
Ethanol Production	0.405	0.435	0.420	0.582	0.601	0.592	43.7	38.1	40.8
Refinery Utilization (percent)	88.8	90.3	89.5	88.0	86.7	87.3			
Gasoline Stocks, Including Blending Components (million barrels)									
Beginning	201.6	205.5	201.6	221.2	209.8	221.2			
Ending	205.5	200.0	200.0	209.8	196.5	196.5			
Economic Indicators (annualized billion 2000 dollars)									
Real GDP	11,491	11,626	11,559	11,701	11,744	11,722	1.8	1.0	1.4
Real Income	8,605	8,671	8,638	8,915	8,685	8,799	3.6	0.2	1.9

^a Spot Price of West Texas Intermediate (WTI) crude oil.^b Cost of imported crude oil to U.S. refiners.^c Price product sold by refiners to resellers.^d Average pump price including taxes.^e Refinery output plus motor gasoline field production including fuel ethanol blended into gasoline and new supply of oxygenates and other hydrocarbons for gasoline production but excluding volumes related to net imports of or inventory changes in motor gasoline blending components.^f Total stock withdrawal and net imports includes both finished gasoline and gasoline blend components.

GDP = gross domestic product.

Notes: Minor discrepancies with other Energy Information Administration (EIA) published historical data are due to rounding. Historical data are printed in bold. Forecasts are in italic. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: latest data available from: EIA *Petroleum Supply Monthly*, DOE/EIA-0109; Monthly Energy Review, DOE/EIA-0035; U.S. Department of Commerce, Bureau of Economic Analysis; Federal Reserve System. Macroeconomic projections are based on Global Insight Macroeconomic Forecast Model.

Table WF01. Selected U.S. Average Consumer Prices* and Expenditures for Heating Fuels During the Winter
 Energy Information Administration/Short-Term Energy Outlook -- September 2008

Fuel / Region	Winter of							Forecast	
	02-03	03-04	04-05	05-06	06-07	Avg.02-07	07-08	08-09	% Change
Natural Gas									
Northeast									
Consumption (mcf**)	84.3	80.0	79.8	73.9	74.7	78.5	74.8	78.9	5.5
Price (\$/mcf)	9.99	11.77	12.64	16.40	14.69	12.99	15.14	17.15	13.3
Expenditures (\$)	842	941	1,009	1,211	1,098	1,020	1,132	1,353	19.5
Midwest									
Consumption (mcf)	92.1	85.5	85.2	82.2	84.8	85.9	88.4	86.8	-1.8
Price (\$/mcf)	7.61	8.77	10.04	13.45	11.06	10.12	11.38	13.35	17.3
Expenditures (\$)	701	750	855	1,106	938	870	1,006	1,158	15.1
South									
Consumption (mcf)	60.6	55.6	54.0	53.8	54.8	55.8	52.9	56.6	7.0
Price (\$/mcf)	9.03	10.67	12.17	16.46	13.59	12.30	14.28	17.24	20.8
Expenditures (\$)	547	594	658	886	745	686	755	975	29.3
West									
Consumption (mcf)	44.7	45.7	46.7	46.7	47.2	46.2	49.6	48.6	-1.9
Price (\$/mcf)	7.55	8.84	10.18	12.96	11.20	10.17	11.31	13.34	18.0
Expenditures (\$)	338	404	475	605	528	470	560	649	15.8
U.S. Average									
Consumption (mcf)	71.1	67.1	66.8	64.7	66.0	67.1	67.2	68.1	1.3
Price (\$/mcf)	8.42	9.81	11.04	14.58	12.35	11.18	12.72	14.93	17.4
Expenditures (\$)	599	659	738	943	815	751	855	1,017	18.9
Households (thousands)	54,942	55,811	56,167	56,587	57,223	56,146	57,804	58,309	0.9
Heating Oil									
Northeast									
Consumption (gallons)	671.5	636.9	637.0	589.6	596.0	626.2	600.4	629.3	4.8
Price (\$/gallon)	1.42	1.46	1.93	2.45	2.51	1.93	3.31	4.13	24.9
Expenditures (\$)	956	930	1,230	1,446	1,494	1,211	1,987	2,602	30.9
Midwest									
Consumption (gallons)	531.6	488.9	486.0	466.9	483.7	491.4	507.8	496.9	-2.1
Price (\$/gallon)	1.35	1.34	1.84	2.37	2.39	1.84	3.32	4.09	23.0
Expenditures (\$)	718	654	893	1,108	1,158	906	1,687	2,032	20.4
South									
Consumption (gallons)	418.8	394.1	378.0	372.3	363.2	385.3	343.1	387.2	12.9
Price (\$/gallon)	1.41	1.45	1.94	2.46	2.38	1.91	3.33	4.09	23.0
Expenditures (\$)	590	572	734	915	863	735	1,142	1,586	38.9
West									
Consumption (gallons)	311.6	325.0	331.6	328.0	327.2	324.7	351.4	336.6	-4.2
Price (\$/gallon)	1.39	1.46	1.99	2.49	2.57	1.99	3.36	4.16	23.9
Expenditures (\$)	432	473	659	818	842	645	1,181	1,402	18.6
U.S. Average									
Consumption (gallons)	644.9	612.5	610.2	574.9	580.9	604.7	585.7	611.5	4.4
Price (\$/gallon)	1.41	1.45	1.93	2.45	2.49	1.93	3.31	4.13	24.7
Expenditures (\$)	912	886	1,176	1,409	1,445	1,166	1,939	2,524	30.1
Households (thousands)	9,491	9,336	9,064	8,741	8,542	9,035	8,356	8,115	-2.9

Table WF01. Selected U.S. Average Consumer Prices* and Expenditures for Heating Fuels During the Winter
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Fuel / Region	Winter of							Forecast	
	02-03	03-04	04-05	05-06	06-07	Avg.02-07	07-08	08-09	% Change
Propane									
Northeast									
Consumption (gallons)	915.8	871.2	870.0	808.3	816.7	856.4	820.0	859.4	4.8
Price (\$/gallon)	1.55	1.65	1.88	2.20	2.29	1.90	2.78	3.01	8.5
Expenditures (\$)	1,416	1,435	1,633	1,775	1,872	1,626	2,276	2,588	13.7
Midwest									
Consumption (gallons)	860.8	800.5	793.2	766.9	792.7	802.8	832.2	813.6	-2.2
Price (\$/gallon)	1.07	1.20	1.42	1.67	1.74	1.41	2.12	2.42	13.9
Expenditures (\$)	922	960	1,130	1,278	1,382	1,135	1,767	1,969	11.4
South									
Consumption (gallons)	577.0	532.5	515.1	514.2	519.7	531.7	500.5	538.5	7.6
Price (\$/gallon)	1.45	1.57	1.79	2.11	2.16	1.81	2.66	2.90	9.2
Expenditures (\$)	838	838	921	1,087	1,123	961	1,329	1,561	17.5
West									
Consumption (gallons)	559.7	567.5	581.6	581.7	588.5	575.8	618.2	607.7	-1.7
Price (\$/gallon)	1.38	1.53	1.78	2.09	2.17	1.80	2.65	2.88	9.0
Expenditures (\$)	774	871	1,037	1,214	1,275	1,034	1,635	1,752	7.1
U.S. Average									
Consumption (gallons)	713.3	672.5	668.3	655.4	669.0	675.7	682.1	694.8	1.9
Price (\$/gallon)	1.29	1.42	1.65	1.95	2.01	1.66	2.45	2.72	10.9
Expenditures (\$)	918	953	1,103	1,277	1,347	1,120	1,673	1,890	13.0
Households (thousands)	6,848	6,818	6,782	6,565	6,539	6,710	6,539	6,464	-1.1
Electricity									
Northeast									
Consumption (kwh***)	10,417	10,013	10,019	9,497	9,570	9,903	9,577	9,953	3.9
Price (\$/kwh)	0.109	0.114	0.117	0.133	0.139	0.122	0.144	0.159	9.8
Expenditures (\$)	1,136	1,140	1,173	1,260	1,329	1,208	1,383	1,579	14.2
Midwest									
Consumption (kwh)	11,469	10,922	10,857	10,635	10,883	10,953	11,263	11,093	-1.5
Price (\$/kwh)	0.074	0.075	0.077	0.081	0.085	0.078	0.089	0.095	6.7
Expenditures (\$)	846	823	834	857	926	857	1,004	1,055	5.1
South									
Consumption (kwh)	8,763	8,402	8,266	8,255	8,299	8,397	8,144	8,448	3.7
Price (\$/kwh)	0.074	0.078	0.082	0.092	0.096	0.084	0.098	0.106	7.9
Expenditures (\$)	646	652	674	762	797	706	802	897	11.9
West									
Consumption (kwh)	6,968	7,091	7,188	7,185	7,199	7,126	7,454	7,337	-1.6
Price (\$/kwh)	0.091	0.091	0.092	0.097	0.102	0.095	0.104	0.113	8.4
Expenditures (\$)	635	642	661	695	735	674	779	831	6.7
U.S. Average									
Consumption (kwh)	8,592	8,307	8,246	8,156	8,215	8,303	8,231	8,374	1.7
Price (\$/kwh)	0.082	0.085	0.088	0.096	0.101	0.090	0.104	0.113	8.2
Expenditures (\$)	702	703	722	787	828	749	858	944	10.1
Households (thousands)	34,153	34,686	35,745	36,741	37,349	35,735	38,024	38,787	2.0
All households (thousands)	105,434	106,650	107,758	108,634	109,654	107,626	110,723	111,675	0.9
Average Expenditures (\$)	681	712	793	948	900	807	986	1,152	16.8

Note: Winter covers the period October 1 through March 31.

Fuel consumption per household is based only on households that use that fuel as the primary space-heating fuel. Included in fuel consumption is consumption for water heating, appliances, and lighting (electricity).

* Prices include taxes

** thousand cubic feet

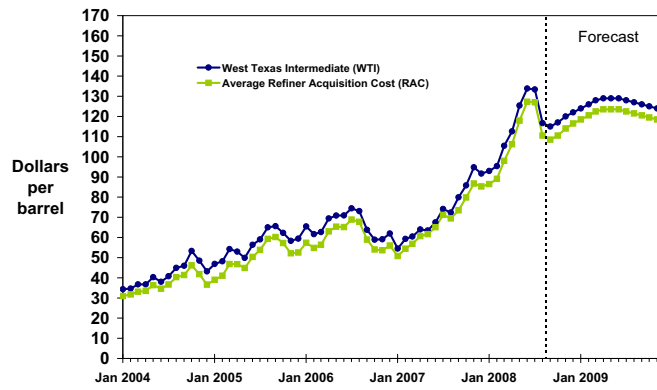
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Short-Term Energy Outlook

Chart Gallery for September 2008

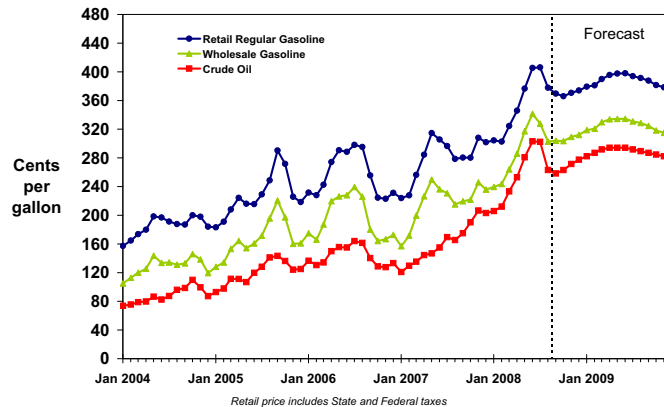
Crude Oil Prices



Short-Term Energy Outlook, September 2008



Gasoline and Crude Oil Prices

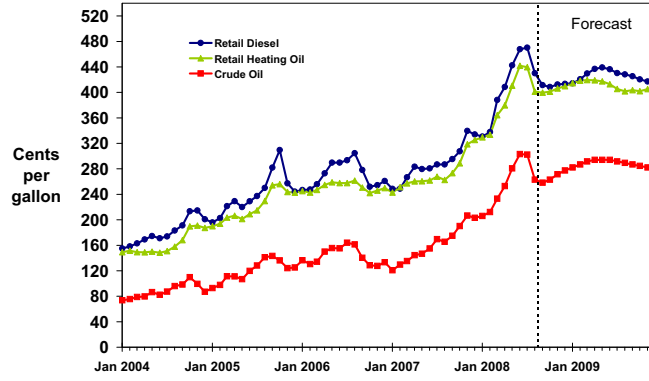


Retail price includes State and Federal taxes

Short-Term Energy Outlook, September 2008



U.S. Distillate Fuel Prices

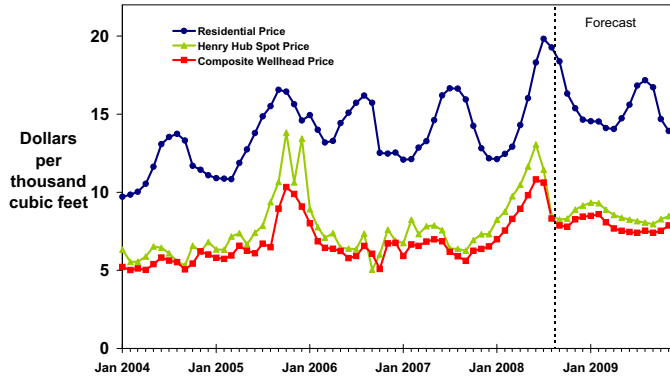


Retail prices include State and Federal taxes

Short-Term Energy Outlook, September 2008



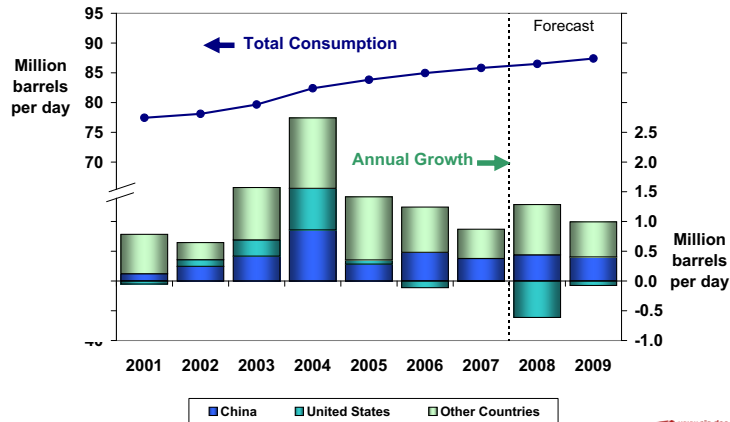
Natural Gas Prices



Short-Term Energy Outlook, September 2008



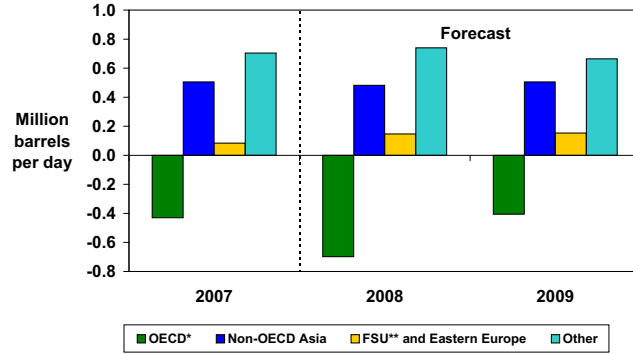
World Oil Consumption



Short-Term Energy Outlook, September 2008



World Oil Consumption Growth (Change from Previous Year)

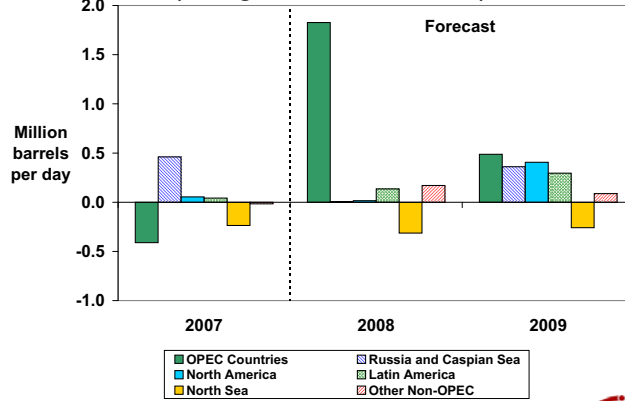


* Countries belonging to Organization for Economic Cooperation and Development
** Former Soviet Union

Short-Term Energy Outlook, September 2008



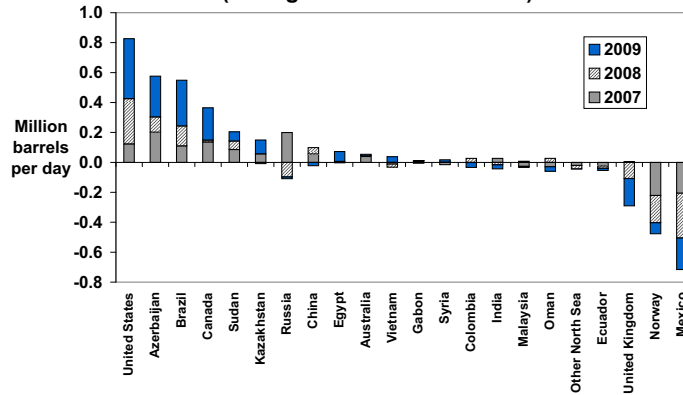
World Oil Production Growth (Change from Previous Year)



Short-Term Energy Outlook, September 2008



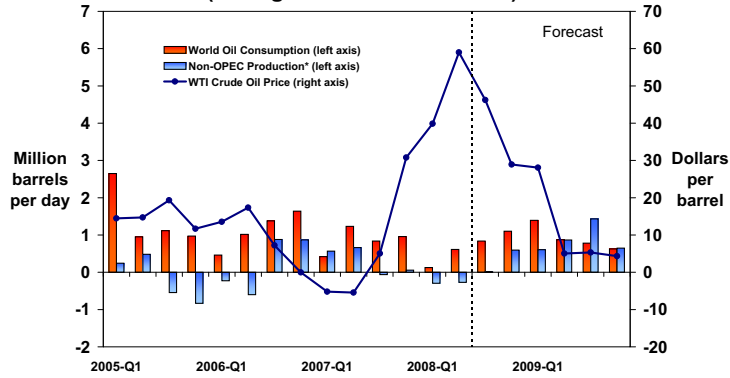
Non-OPEC Oil Production Growth (Change from Previous Year)



Short-Term Energy Outlook, September 2008



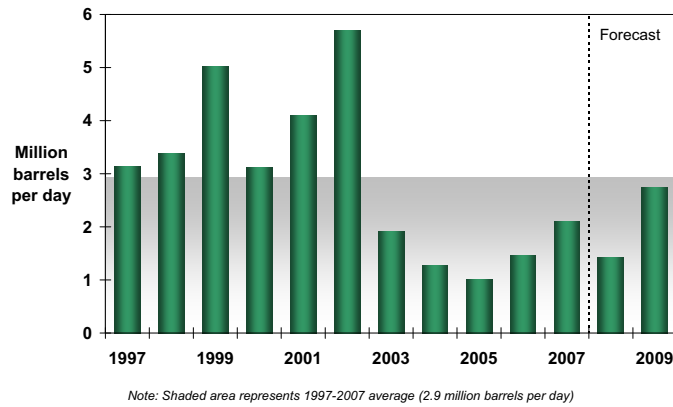
World Consumption and Non-OPEC Production (Change from Previous Year)



Short-Term Energy Outlook, September 2008



OPEC Surplus Crude Oil Production Capacity

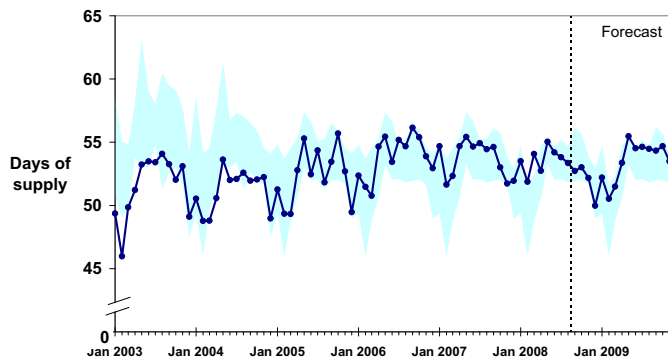


Note: Shaded area represents 1997-2007 average (2.9 million barrels per day)

Short-Term Energy Outlook, September 2008



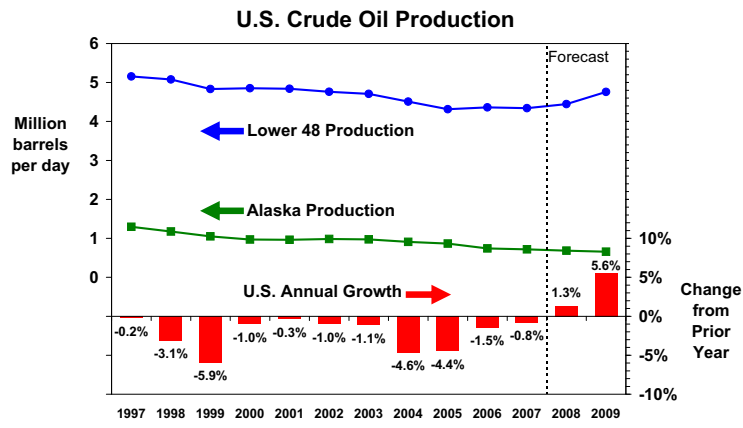
Days of Supply of OECD Commercial Oil Stocks



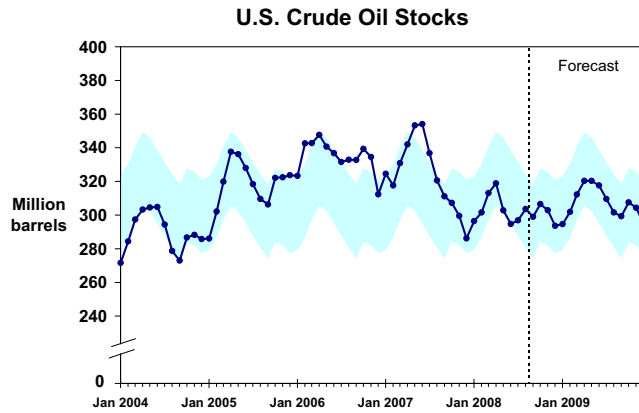
NOTE: Colored band represents the 5-year minimum/maximum range for each month.

Short-Term Energy Outlook, September 2008



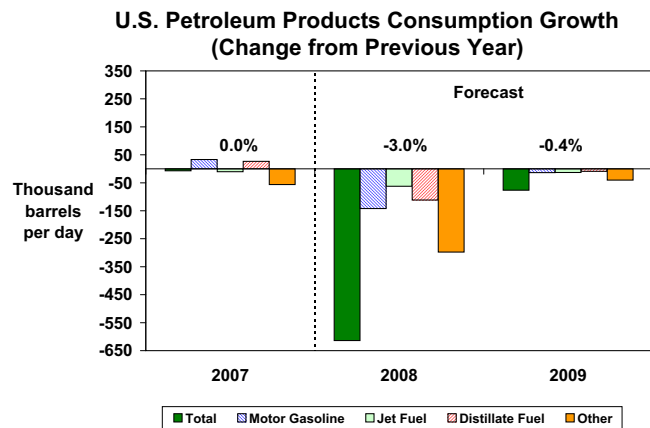


Short-Term Energy Outlook, September 2008



NOTE: Colored band represents "normal" range published in EIA Weekly Petroleum Status Report, Appendix A.

Short-Term Energy Outlook, September 2008

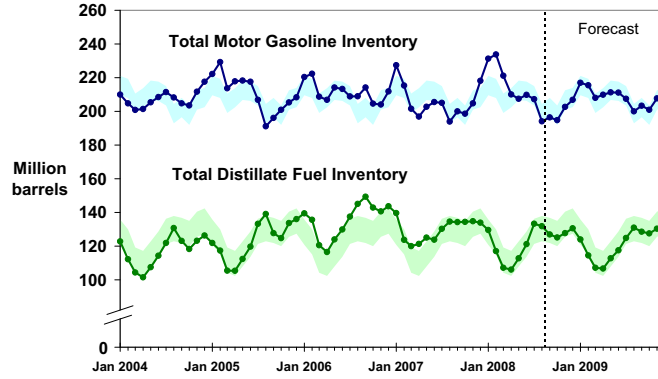


Note: Percent change labels refer to total petroleum products growth

Short-Term Energy Outlook, September 2008



U.S. Gasoline and Distillate Inventories

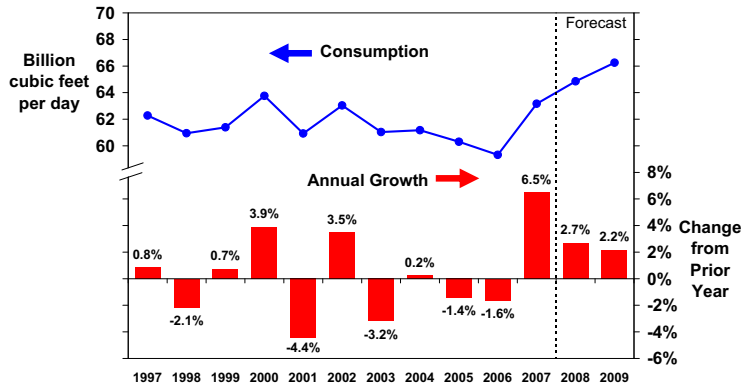


NOTE: Colored bands represent "normal" range published in EIA Weekly Petroleum Status Report, Appendix A.

Short-Term Energy Outlook, September 2008



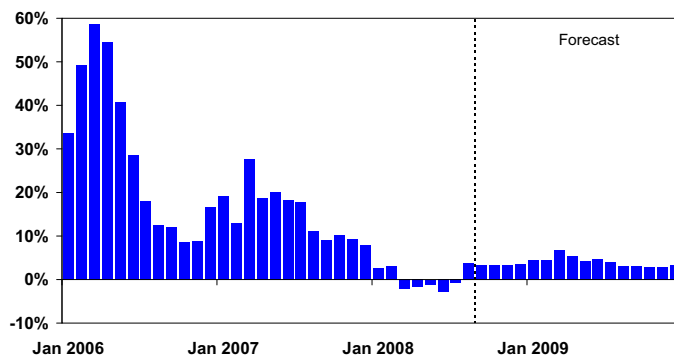
U.S. Total Natural Gas Consumption



Short-Term Energy Outlook, September 2008



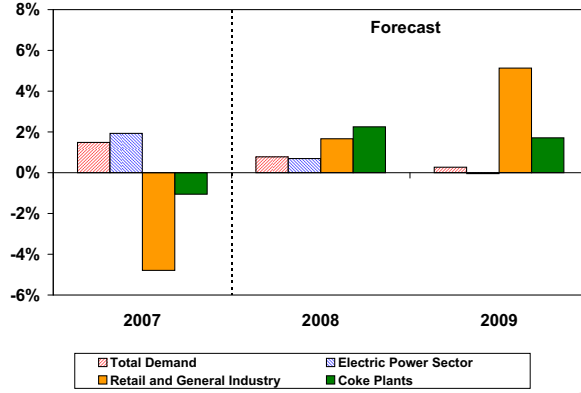
U.S. Working Natural Gas in Storage (Percent Difference from Previous 5-Year Average)



Short-Term Energy Outlook, September 2008



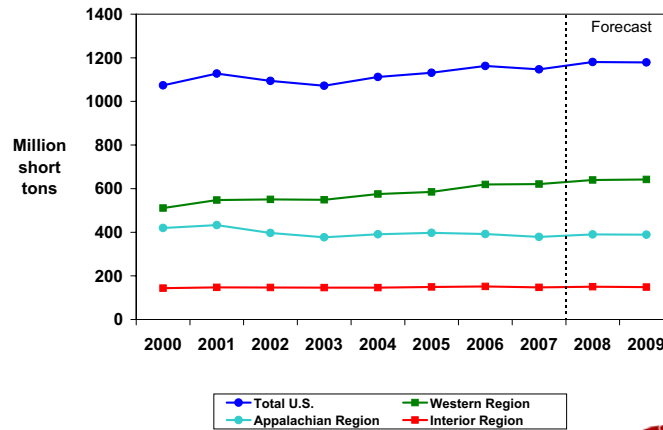
U.S. Coal Consumption Growth (Percent Change from Previous Year)



Short-Term Energy Outlook, September 2008



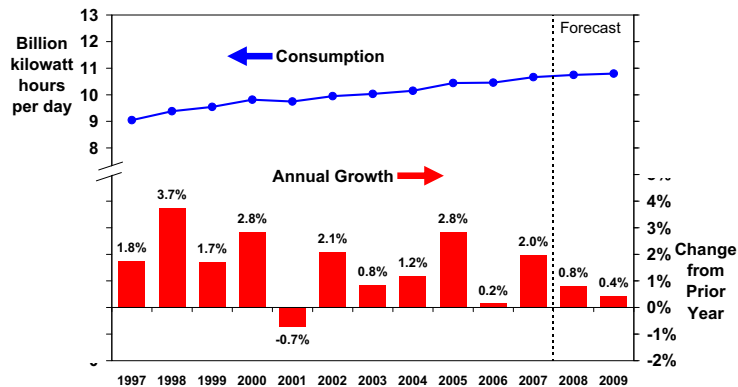
U.S. Annual Coal Production



Short-Term Energy Outlook, September 2008



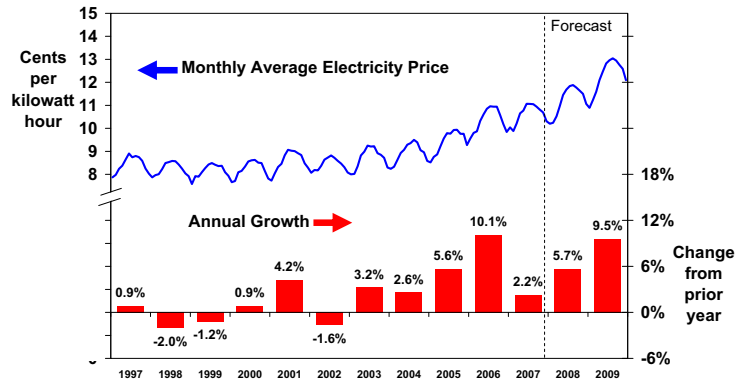
U.S. Total Electricity Consumption



Short-Term Energy Outlook, September 2008



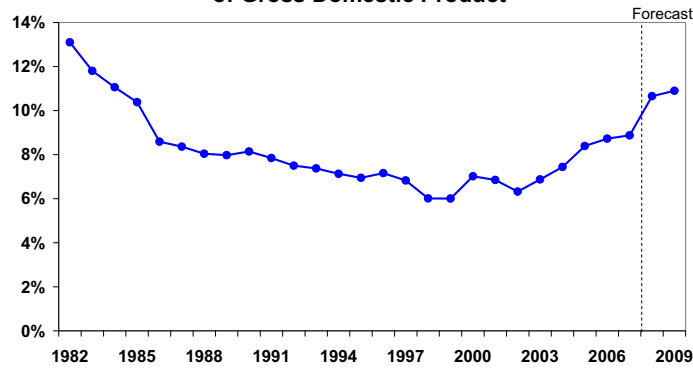
U.S. Residential Electricity Price



Short-Term Energy Outlook, September 2008



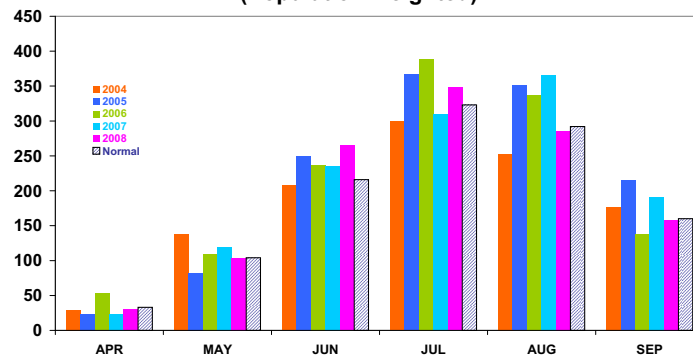
U.S. Annual Energy Expenditures As Percent of Gross Domestic Product



Short-Term Energy Outlook, September 2008



U.S. Summer Cooling Degree-Days (Population-weighted)

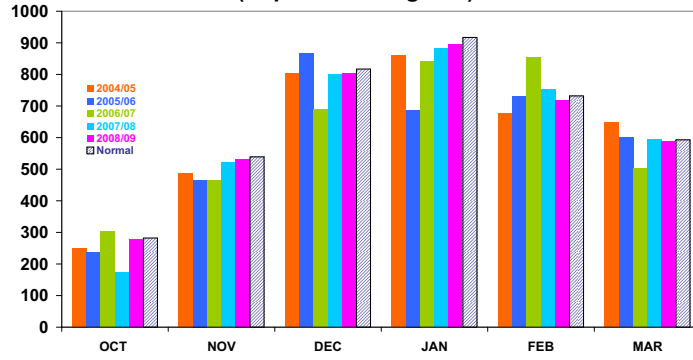


Source: National Oceanic and Atmospheric Administration, National Weather Service
http://www.cpc.ncep.noaa.gov/products/analysis_monitoring/cdus/degree_days/

Short-Term Energy Outlook, September 2008



U.S. Winter Heating Degree-Days (Population-weighted)

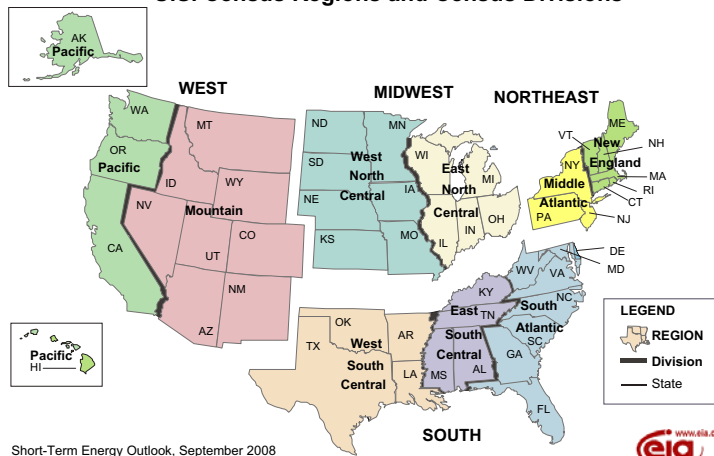


Source: National Oceanic and Atmospheric Administration, National Weather Service
http://www.cpc.ncep.noaa.gov/products/analysis_monitoring/cdus/degree_days/

Short-Term Energy Outlook, September 2008



U.S. Census Regions and Census Divisions



Short-Term Energy Outlook, September 2008



Table 1. U.S. Energy Markets Summary

Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Energy Supply															
Crude Oil Production (a) (million barrels per day)	5.11	5.16	4.94	5.04	5.12	5.15	5.03	5.23	5.29	5.35	5.43	5.59	5.06	5.13	5.42
Dry Natural Gas Production (billion cubic feet per day)	51.47	52.28	53.06	54.41	55.83	56.29	57.57	58.19	58.77	59.26	59.26	59.33	52.82	56.98	59.15
Coal Production (million short tons)	286	286	286	289	289	286	301	304	290	284	291	315	1,147	1,180	1,179
Energy Consumption															
Petroleum (million barrels per day)	20.79	20.63	20.73	20.58	19.88	19.68	20.23	20.47	19.93	19.76	20.07	20.20	20.68	20.07	19.99
Natural Gas (billion cubic feet per day)	79.14	53.81	56.34	63.61	82.03	55.50	56.83	65.11	82.65	57.92	58.99	65.69	63.16	64.85	66.25
Coal (b) (million short tons)	279	268	304	278	283	269	301	285	285	266	303	286	1,129	1,138	1,141
Electricity (billion kilowatt hours per day)	10.45	10.12	11.92	10.14	10.60	10.22	11.94	10.23	10.59	10.25	12.07	10.26	10.66	10.75	10.80
Renewables (c) (quadrillion Btu)	1.74	1.76	1.66	1.67	1.74	1.91	1.82	1.78	1.93	2.00	1.90	1.87	6.84	7.25	7.70
Total Energy Consumption (d) (quadrillion Btu)	26.79	24.29	25.60	25.51	26.87	24.81	25.75	25.83	27.00	24.52	25.74	25.85	102.20	103.26	103.11
Nominal Energy Prices															
Crude Oil (e) (dollars per barrel)	53.95	62.44	71.34	83.96	91.15	117.28	115.49	113.69	120.50	123.50	121.52	118.49	68.09	109.56	121.02
Natural Gas Wellhead (dollars per thousand cubic feet)	6.37	6.89	5.90	6.39	7.62	9.86	8.95	8.17	8.38	7.55	7.45	7.85	6.39	8.65	7.80
Coal (dollars per million Btu)	1.76	1.78	1.78	1.79	1.91	1.98	1.96	1.93	1.94	1.98	1.96	1.94	1.78	1.95	1.95
Macroeconomic															
Real Gross Domestic Product (billion chained 2000 dollars - SAAR)	11,358	11,491	11,626	11,621	11,646	11,701	11,744	11,730	11,725	11,795	11,870	11,949	11,524	11,705	11,835
Percent change from prior year	1.3	1.8	2.8	2.3	2.5	1.8	1.0	0.9	0.7	0.8	1.1	1.9	2.0	1.6	1.1
GDP Implicit Price Deflator (Index, 2000=100)	118.9	119.5	120.0	120.8	121.6	121.9	122.7	123.5	124.4	124.5	125.3	126.2	119.8	122.4	125.1
Percent change from prior year	2.9	2.8	2.5	2.6	2.3	2.0	2.2	2.2	2.3	2.1	2.2	2.2	2.7	2.2	2.2
Real Disposable Personal Income (billion chained 2000 dollars - SAAR)	8,618	8,605	8,671	8,683	8,680	8,915	8,685	8,645	8,691	8,768	8,803	8,840	8,644	8,731	8,776
Percent change from prior year	3.4	2.9	3.1	1.8	0.7	3.6	0.2	-0.4	0.1	-1.6	1.4	2.3	2.8	1.0	0.5
Manufacturing Production Index (Index, 2002=100)	112.6	113.9	115.1	115.0	114.8	113.8	113.7	113.2	113.9	115.0	116.5	117.6	114.2	113.9	115.8
Percent change from prior year	0.9	1.7	2.2	2.5	2.0	-0.1	-1.2	-1.6	-0.8	1.1	2.5	3.9	1.8	-0.2	1.7
Weather															
U.S. Heating Degree-Days	2,196	508	57	1,495	2,231	536	89	1,612	2,200	539	98	1,616	4,256	4,467	4,453
U.S. Cooling Degree-Days	43	378	867	110	29	398	791	77	36	344	776	77	1,399	1,296	1,233

- = no data available

(a) Includes lease condensate.

(b) Total consumption includes Independent Power Producer (IPP) consumption.

(c) Renewable energy includes minor components of non-marketed renewable energy that is neither bought nor sold, either directly or indirectly, as inputs to marketed energy.

EIA does not estimate or project end-use consumption of non-marketed renewable energy.

(d) The conversion from physical units to Btu is calculated using a subset of conversion factors used in the calculations of gross energy consumption in EIA's Monthly Energy Review (MER).

Consequently, the historical data may not precisely match those published in the MER or the Annual Energy Review (AER).

(e) Refers to the refiner average acquisition cost (RAC) of crude oil.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109; *Petroleum Supply Annual*, DOE/EIA-0340/2; *Weekly Petroleum Status Report*, DOE/EIA-0208; *Petroleum Marketing Monthly*, DOE/EIA-0380; *Natural Gas Monthly*, DOE/EIA-0130; *Electric Power Monthly*, DOE/EIA-0226; *Quarterly Coal Report*, DOE/EIA-0121; and *International Petroleum Monthly*, DOE/EIA-0520.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model. Macroeconomic projections are based on Global Insight Model of the U.S. Economy.

Weather projections from National Oceanic and Atmospheric Administration.

Table 2. U.S. Energy Nominal Prices
Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Crude Oil (dollars per barrel)															
West Texas Intermediate Spot Average	58.08	64.97	75.46	90.75	97.94	123.95	<i>121.68</i>	<i>119.67</i>	<i>126.00</i>	<i>129.00</i>	<i>127.00</i>	<i>124.00</i>	72.32	<i>115.81</i>	<i>126.50</i>
Imported Average	53.13	62.30	70.38	82.44	89.73	115.70	<i>114.01</i>	<i>112.13</i>	<i>119.02</i>	<i>122.00</i>	<i>120.02</i>	<i>117.01</i>	67.13	<i>107.95</i>	<i>119.55</i>
Refiner Average Acquisition Cost	53.95	62.44	71.34	83.96	91.15	117.28	<i>115.49</i>	<i>113.69</i>	<i>120.50</i>	<i>123.50</i>	<i>121.52</i>	<i>118.49</i>	68.09	<i>109.56</i>	<i>121.02</i>
Petroleum Products (cents per gallon)															
Refiner Prices for Resale															
Gasoline	176	238	222	234	249	315	<i>312</i>	<i>308</i>	<i>323</i>	<i>334</i>	<i>328</i>	<i>315</i>	218	<i>296</i>	<i>325</i>
Diesel Fuel	184	212	224	257	284	364	<i>341</i>	<i>336</i>	<i>350</i>	<i>365</i>	<i>356</i>	<i>343</i>	220	<i>332</i>	<i>353</i>
Heating Oil	170	196	208	250	269	346	<i>332</i>	<i>325</i>	<i>338</i>	<i>349</i>	<i>338</i>	<i>329</i>	206	<i>309</i>	<i>337</i>
Refiner Prices to End Users															
Jet Fuel	181	209	220	258	284	364	<i>351</i>	<i>337</i>	<i>352</i>	<i>364</i>	<i>355</i>	<i>344</i>	217	<i>334</i>	<i>354</i>
No. 6 Residual Fuel Oil (a)	111	129	144	174	187	218	<i>250</i>	<i>241</i>	<i>246</i>	<i>247</i>	<i>243</i>	<i>241</i>	139	<i>225</i>	<i>244</i>
Propane to Petrochemical Sector	95	111	119	146	145	165	<i>165</i>	<i>163</i>	<i>163</i>	<i>162</i>	<i>163</i>	<i>169</i>	117	<i>158</i>	<i>165</i>
Retail Prices Including Taxes															
Gasoline Regular Grade (b)	236	302	285	297	311	376	<i>385</i>	<i>370</i>	<i>384</i>	<i>397</i>	<i>391</i>	<i>378</i>	281	<i>361</i>	<i>388</i>
Gasoline All Grades (b)	241	306	290	302	316	381	<i>390</i>	<i>375</i>	<i>388</i>	<i>402</i>	<i>396</i>	<i>383</i>	285	<i>366</i>	<i>392</i>
On-highway Diesel Fuel	255	281	290	327	353	439	<i>437</i>	<i>411</i>	<i>422</i>	<i>438</i>	<i>428</i>	<i>416</i>	288	<i>409</i>	<i>426</i>
Heating Oil	250	261	268	316	340	401	<i>410</i>	<i>407</i>	<i>417</i>	<i>417</i>	<i>403</i>	<i>405</i>	272	<i>378</i>	<i>412</i>
Propane	203	211	205	238	250	265	<i>264</i>	<i>270</i>	<i>273</i>	<i>265</i>	<i>257</i>	<i>272</i>	215	<i>260</i>	<i>269</i>
Natural Gas (dollars per thousand cubic feet)															
Average Wellhead	6.37	6.89	5.90	6.39	7.62	9.86	<i>8.95</i>	<i>8.17</i>	<i>8.38</i>	<i>7.55</i>	<i>7.45</i>	<i>7.85</i>	6.39	<i>8.65</i>	<i>7.80</i>
Henry Hub Spot	7.41	7.76	6.35	7.19	8.92	11.73	<i>9.41</i>	<i>8.78</i>	<i>9.17</i>	<i>8.39</i>	<i>8.06</i>	<i>8.58</i>	7.17	<i>9.71</i>	<i>8.55</i>
End-Use Prices															
Industrial Sector	7.97	8.07	6.74	7.50	8.90	11.10	<i>9.91</i>	<i>9.26</i>	<i>9.80</i>	<i>8.78</i>	<i>8.40</i>	<i>9.00</i>	7.58	<i>9.75</i>	<i>9.01</i>
Commercial Sector	11.37	11.59	11.23	10.99	11.37	13.13	<i>13.63</i>	<i>12.88</i>	<i>13.03</i>	<i>12.18</i>	<i>12.16</i>	<i>12.38</i>	11.31	<i>12.43</i>	<i>12.59</i>
Residential Sector	12.31	14.18	16.41	12.65	12.46	15.57	<i>19.13</i>	<i>15.14</i>	<i>14.42</i>	<i>14.55</i>	<i>16.90</i>	<i>13.93</i>	13.00	<i>14.22</i>	<i>14.49</i>
Electricity															
Power Generation Fuel Costs (dollars per million Btu)															
Coal	1.76	1.78	1.78	1.79	1.91	1.98	<i>1.96</i>	<i>1.93</i>	<i>1.94</i>	<i>1.98</i>	<i>1.96</i>	<i>1.94</i>	1.78	<i>1.95</i>	<i>1.95</i>
Natural Gas	7.35	7.62	6.55	7.18	8.67	10.92	<i>9.36</i>	<i>8.55</i>	<i>9.11</i>	<i>8.31</i>	<i>7.94</i>	<i>8.51</i>	7.09	<i>9.41</i>	<i>8.38</i>
Residual Fuel Oil (c)	7.18	8.36	8.53	10.71	13.34	13.73	<i>15.71</i>	<i>15.17</i>	<i>15.36</i>	<i>15.47</i>	<i>15.25</i>	<i>15.06</i>	8.40	<i>14.66</i>	<i>15.28</i>
Distillate Fuel Oil	12.44	14.48	14.75	18.96	18.89	24.25	<i>24.86</i>	<i>23.85</i>	<i>24.83</i>	<i>25.58</i>	<i>24.85</i>	<i>24.25</i>	15.17	<i>22.97</i>	<i>24.87</i>
End-Use Prices (cents per kilowatthour)															
Industrial Sector	6.1	6.3	6.7	6.3	6.4	6.9	<i>7.2</i>	<i>6.8</i>	<i>6.7</i>	<i>7.3</i>	<i>7.9</i>	<i>7.5</i>	6.4	<i>6.8</i>	<i>7.4</i>
Commercial Sector	9.3	9.7	10.0	9.6	9.6	10.2	<i>10.8</i>	<i>10.3</i>	<i>10.3</i>	<i>11.1</i>	<i>11.9</i>	<i>11.5</i>	9.7	<i>10.2</i>	<i>11.2</i>
Residential Sector	10.0	10.9	11.0	10.6	10.3	11.4	<i>11.8</i>	<i>11.4</i>	<i>11.2</i>	<i>12.5</i>	<i>13.0</i>	<i>12.5</i>	10.6	<i>11.2</i>	<i>12.3</i>

- = no data available

(a) Average for all sulfur contents.

(b) Average self-service cash price.

(c) Includes fuel oils No. 4, No. 5, No. 6, and topped crude.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Prices exclude taxes unless otherwise noted

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Petroleum Marketing Monthly*, DOE/EIA-0380;

Weekly Petroleum Status Report, DOE/EIA-0208; *Natural Gas Monthly*, DOE/EIA-0130; *Electric Power Monthly*, DOE/EIA-0226; and *Monthly Energy Review*, DOE/EIA-0035.

Natural gas Henry Hub spot price from NGI's *Daily Gas Price Index* (<http://Intelligencepress.com>); WTI crude oil price from Reuter's News Service (<http://www.reuters.com>).

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 3a. International Petroleum Supply, Consumption, and Inventories
Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Supply (million barrels per day) (a)															
OECD (b)	21.72	21.51	21.15	21.45	21.26	21.12	20.98	21.44	21.37	21.29	21.19	21.45	21.46	21.20	21.33
U.S. (50 States)	8.38	8.50	8.36	8.58	8.62	8.75	8.68	8.97	8.99	9.09	9.20	9.35	8.45	8.76	9.16
Canada	3.45	3.37	3.48	3.40	3.35	3.31	3.51	3.58	3.63	3.66	3.66	3.66	3.42	3.44	3.65
Mexico	3.59	3.61	3.46	3.35	3.30	3.20	3.18	3.12	3.01	3.04	2.98	2.93	3.50	3.20	2.99
North Sea (c)	4.81	4.50	4.29	4.58	4.47	4.26	4.01	4.19	4.16	3.95	3.80	3.98	4.54	4.23	3.97
Other OECD	1.49	1.54	1.55	1.56	1.53	1.60	1.60	1.58	1.58	1.55	1.55	1.53	1.53	1.58	1.55
Non-OECD	62.24	62.69	63.11	63.86	64.11	64.67	65.48	66.03	65.49	66.14	66.88	66.80	62.98	65.07	66.33
OPEC (d)	34.98	35.07	35.44	36.18	36.69	36.94	37.62	37.74	37.57	37.71	37.79	37.86	35.42	37.25	37.73
Crude Oil Portion	30.44	30.58	30.93	31.65	32.10	32.33	32.88	32.83	32.35	32.14	31.96	31.78	30.90	32.53	32.05
Other Liquids	4.55	4.49	4.51	4.53	4.59	4.61	4.74	4.91	5.22	5.57	5.84	6.08	4.52	4.71	5.68
Former Soviet Union (e)	12.61	12.60	12.55	12.66	12.60	12.60	12.39	12.78	12.79	12.85	13.02	13.11	12.60	12.59	12.94
China	3.92	3.96	3.87	3.86	3.93	3.99	3.91	3.95	3.90	3.92	3.92	3.93	3.90	3.94	3.92
Other Non-OECD	10.73	11.06	11.25	11.17	10.89	11.14	11.56	11.56	11.23	11.66	12.14	11.89	11.05	11.29	11.73
Total World Production	83.96	84.19	84.27	85.31	85.37	85.79	86.46	87.47	86.86	87.43	88.07	88.24	84.44	86.28	87.65
Non-OPEC Production	48.97	49.12	48.83	49.14	48.68	48.86	48.84	49.73	49.29	49.72	50.28	50.38	49.02	49.03	49.92
Consumption (million barrels per day) (f)															
OECD (b)	49.74	48.22	48.84	49.78	48.66	47.41	48.22	49.48	48.78	46.82	47.68	48.89	49.14	48.45	48.04
U.S. (50 States)	20.79	20.63	20.73	20.58	19.88	19.68	20.23	20.47	19.93	19.76	20.07	20.20	20.68	20.07	19.99
U.S. Territories	0.30	0.32	0.33	0.32	0.27	0.30	0.28	0.30	0.30	0.29	0.28	0.30	0.32	0.29	0.29
Canada	2.38	2.31	2.43	2.39	2.37	2.29	2.38	2.43	2.37	2.27	2.35	2.39	2.38	2.37	2.34
Europe	15.23	14.95	15.41	15.62	15.16	14.97	15.33	15.42	15.18	14.78	15.18	15.40	15.30	15.22	15.14
Japan	5.43	4.64	4.70	5.25	5.44	4.72	4.71	5.19	5.44	4.44	4.58	5.01	5.01	5.02	4.87
Other OECD	5.60	5.37	5.24	5.62	5.55	5.44	5.30	5.66	5.57	5.28	5.23	5.58	5.46	5.49	5.41
Non-OECD	36.10	36.67	36.72	37.16	37.30	38.10	38.18	38.56	38.58	39.56	39.50	39.78	36.67	38.04	39.36
Former Soviet Union	4.25	4.32	4.22	4.32	4.34	4.49	4.37	4.43	4.45	4.64	4.57	4.52	4.28	4.41	4.54
Europe	0.85	0.78	0.73	0.79	0.86	0.80	0.75	0.81	0.88	0.82	0.76	0.83	0.79	0.80	0.82
China	7.33	7.52	7.59	7.87	7.72	7.94	8.07	8.34	8.15	8.40	8.41	8.72	7.58	8.02	8.42
Other Asia	8.74	8.83	8.64	8.93	8.81	8.88	8.66	8.97	8.93	9.02	8.74	9.03	8.78	8.83	8.93
Other Non-OECD	14.94	15.22	15.54	15.25	15.58	15.99	16.32	16.02	16.17	16.69	17.02	16.69	15.24	15.98	16.64
Total World Consumption	85.84	84.90	85.56	86.94	85.97	85.51	86.40	88.04	87.36	86.38	87.18	88.67	85.81	86.48	87.40
Inventory Net Withdrawals (million barrels per day)															
U.S. (50 States)	0.47	-0.57	0.14	0.56	0.14	-0.36	-0.14	0.26	0.17	-0.59	-0.02	0.32	0.15	-0.03	-0.03
Other OECD (b)	0.22	-0.14	-0.18	0.23	-0.10	0.48	0.03	0.14	0.14	-0.18	-0.36	0.05	0.03	0.14	-0.09
Other Stock Draws and Balance	1.20	1.42	1.33	0.84	0.57	-0.41	0.05	0.18	0.19	-0.27	-0.51	0.06	1.19	0.10	-0.13
Total Stock Draw	1.89	0.70	1.29	1.63	0.60	-0.28	-0.06	0.57	0.50	-1.04	-0.89	0.43	1.38	0.21	-0.25
End-of-period Inventories (million barrels)															
U.S. Commercial Inventory	989	1,039	1,024	968	953	980	991	967	952	1,004	1,006	977	968	967	977
OECD Commercial Inventory (b)	2,594	2,660	2,659	2,579	2,572	2,561	2,570	2,534	2,505	2,574	2,609	2,575	2,579	2,534	2,575

- = no data available

(a) Supply includes production of crude oil (including lease condensates), natural gas plant liquids, other liquids, and refinery processing gains, alcohol.

(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, Slovakia, South Korea, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States.

(c) Includes offshore supply from Denmark, Germany, the Netherlands, Norway, and the United Kingdom.

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

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

(f) Consumption of petroleum by the OECD countries is synonymous with "petroleum product supplied," defined in the glossary of the EIA *Petroleum Supply Monthly*, DOE/EIA-0109.

Consumption of petroleum by the non-OECD countries is "apparent consumption," which includes internal consumption, refinery fuel and loss, and bunkering.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from Energy Information Administration databases supporting the *International Petroleum Monthly*; and International Energy Agency, Monthly Oil Data Service, latest monthly release.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 3b. Non-OPEC Petroleum Supply (million barrels per day)
Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
North America	15.42	15.48	15.31	15.32	15.27	15.27	<i>15.37</i>	<i>15.67</i>	<i>15.63</i>	<i>15.79</i>	<i>15.84</i>	<i>15.94</i>	15.38	<i>15.39</i>	<i>15.80</i>
Canada	3.45	3.37	3.48	3.40	3.35	3.31	<i>3.51</i>	<i>3.58</i>	<i>3.63</i>	<i>3.66</i>	<i>3.66</i>	<i>3.66</i>	3.42	<i>3.44</i>	<i>3.65</i>
Mexico	3.59	3.61	3.46	3.35	3.30	3.20	<i>3.18</i>	<i>3.12</i>	<i>3.01</i>	<i>3.04</i>	<i>2.98</i>	<i>2.93</i>	3.50	<i>3.20</i>	<i>2.99</i>
United States	8.38	8.50	8.36	8.58	8.62	8.75	<i>8.68</i>	<i>8.97</i>	<i>8.99</i>	<i>9.09</i>	<i>9.20</i>	<i>9.35</i>	8.45	<i>8.76</i>	<i>9.16</i>
Central and South America	3.74	4.12	4.26	4.14	3.78	4.11	<i>4.52</i>	<i>4.45</i>	<i>4.03</i>	<i>4.46</i>	<i>4.94</i>	<i>4.66</i>	4.07	<i>4.22</i>	<i>4.53</i>
Argentina	0.80	0.80	0.79	0.78	0.79	0.73	<i>0.79</i>	<i>0.78</i>	<i>0.78</i>	<i>0.78</i>	<i>0.77</i>	<i>0.77</i>	0.79	<i>0.77</i>	<i>0.77</i>
Brazil	1.97	2.32	2.48	2.34	1.97	2.34	<i>2.69</i>	<i>2.63</i>	<i>2.22</i>	<i>2.65</i>	<i>3.13</i>	<i>2.85</i>	2.28	<i>2.41</i>	<i>2.72</i>
Colombia	0.53	0.53	0.54	0.57	0.57	0.59	<i>0.57</i>	<i>0.55</i>	<i>0.54</i>	<i>0.53</i>	<i>0.54</i>	<i>0.54</i>	0.54	<i>0.57</i>	<i>0.54</i>
Other Central and S. America	0.45	0.46	0.45	0.45	0.45	0.45	<i>0.48</i>	<i>0.48</i>	<i>0.49</i>	<i>0.50</i>	<i>0.50</i>	<i>0.51</i>	0.45	<i>0.46</i>	<i>0.50</i>
Europe	5.47	5.17	4.96	5.24	5.14	4.93	<i>4.67</i>	<i>4.84</i>	<i>4.80</i>	<i>4.58</i>	<i>4.43</i>	<i>4.61</i>	5.21	<i>4.89</i>	<i>4.61</i>
Norway	2.73	2.47	2.48	2.58	2.51	2.34	<i>2.33</i>	<i>2.37</i>	<i>2.38</i>	<i>2.27</i>	<i>2.25</i>	<i>2.34</i>	2.57	<i>2.38</i>	<i>2.31</i>
United Kingdom (offshore)	1.70	1.66	1.44	1.63	1.61	1.58	<i>1.34</i>	<i>1.46</i>	<i>1.42</i>	<i>1.33</i>	<i>1.21</i>	<i>1.31</i>	1.61	<i>1.50</i>	<i>1.32</i>
Other North Sea	0.38	0.37	0.37	0.37	0.35	0.34	<i>0.34</i>	<i>0.36</i>	<i>0.36</i>	<i>0.35</i>	<i>0.34</i>	<i>0.33</i>	0.37	<i>0.35</i>	<i>0.35</i>
FSU and Eastern Europe	12.83	12.81	12.77	12.88	12.83	12.84	<i>12.62</i>	<i>13.02</i>	<i>13.01</i>	<i>13.08</i>	<i>13.24</i>	<i>13.33</i>	12.82	<i>12.83</i>	<i>13.17</i>
Azerbaijan	0.84	0.88	0.80	0.88	0.91	0.98	<i>0.82</i>	<i>1.09</i>	<i>1.15</i>	<i>1.20</i>	<i>1.25</i>	<i>1.30</i>	0.85	<i>0.95</i>	<i>1.22</i>
Kazakhstan	1.44	1.45	1.43	1.46	1.48	1.45	<i>1.36</i>	<i>1.47</i>	<i>1.48</i>	<i>1.51</i>	<i>1.54</i>	<i>1.57</i>	1.44	<i>1.44</i>	<i>1.53</i>
Russia	9.89	9.84	9.90	9.88	9.79	9.75	<i>9.79</i>	<i>9.79</i>	<i>9.73</i>	<i>9.71</i>	<i>9.80</i>	<i>9.82</i>	9.88	<i>9.78</i>	<i>9.77</i>
Turkmenistan	0.19	0.17	0.18	0.18	0.19	0.19	<i>0.19</i>	<i>0.19</i>	<i>0.19</i>	<i>0.20</i>	<i>0.20</i>	<i>0.20</i>	0.18	<i>0.19</i>	<i>0.20</i>
Other FSU/Eastern Europe	0.66	0.65	0.65	0.66	0.66	0.66	<i>0.66</i>	<i>0.66</i>	<i>0.66</i>	<i>0.65</i>	<i>0.65</i>	<i>0.65</i>	0.65	<i>0.66</i>	<i>0.65</i>
Middle East	1.54	1.51	1.51	1.53	1.56	1.54	<i>1.53</i>	<i>1.52</i>	<i>1.54</i>	<i>1.52</i>	<i>1.52</i>	<i>1.53</i>	1.52	<i>1.54</i>	<i>1.53</i>
Oman	0.72	0.71	0.70	0.72	0.75	0.75	<i>0.74</i>	<i>0.73</i>	<i>0.72</i>	<i>0.71</i>	<i>0.70</i>	<i>0.71</i>	0.71	<i>0.74</i>	<i>0.71</i>
Syria	0.43	0.43	0.43	0.43	0.45	0.44	<i>0.42</i>	<i>0.43</i>	<i>0.45</i>	<i>0.45</i>	<i>0.45</i>	<i>0.45</i>	0.43	<i>0.43</i>	<i>0.45</i>
Yemen	0.33	0.32	0.31	0.32	0.32	0.30	<i>0.31</i>	<i>0.31</i>	<i>0.32</i>	<i>0.31</i>	<i>0.31</i>	<i>0.31</i>	0.32	<i>0.31</i>	<i>0.31</i>
Asia and Oceania	7.43	7.45	7.38	7.40	7.45	7.52	<i>7.41</i>	<i>7.44</i>	<i>7.44</i>	<i>7.43</i>	<i>7.43</i>	<i>7.42</i>	7.42	<i>7.45</i>	<i>7.43</i>
Australia	0.57	0.61	0.60	0.58	0.53	0.60	<i>0.63</i>	<i>0.62</i>	<i>0.63</i>	<i>0.61</i>	<i>0.61</i>	<i>0.58</i>	0.59	<i>0.60</i>	<i>0.61</i>
China	3.92	3.96	3.87	3.86	3.93	3.99	<i>3.91</i>	<i>3.95</i>	<i>3.90</i>	<i>3.92</i>	<i>3.92</i>	<i>3.93</i>	3.90	<i>3.94</i>	<i>3.92</i>
India	0.89	0.87	0.88	0.88	0.89	0.88	<i>0.85</i>	<i>0.84</i>	<i>0.84</i>	<i>0.84</i>	<i>0.83</i>	<i>0.83</i>	0.88	<i>0.86</i>	<i>0.84</i>
Malaysia	0.71	0.70	0.70	0.70	0.74	0.71	<i>0.70</i>	<i>0.69</i>	<i>0.71</i>	<i>0.70</i>	<i>0.71</i>	<i>0.69</i>	0.70	<i>0.71</i>	<i>0.70</i>
Vietnam	0.36	0.34	0.34	0.36	0.34	0.32	<i>0.32</i>	<i>0.34</i>	<i>0.36</i>	<i>0.36</i>	<i>0.37</i>	<i>0.38</i>	0.35	<i>0.33</i>	<i>0.37</i>
Africa	2.54	2.59	2.65	2.63	2.65	2.65	<i>2.72</i>	<i>2.79</i>	<i>2.83</i>	<i>2.86</i>	<i>2.87</i>	<i>2.89</i>	2.60	<i>2.70</i>	<i>2.86</i>
Egypt	0.64	0.67	0.71	0.64	0.64	0.64	<i>0.68</i>	<i>0.73</i>	<i>0.74</i>	<i>0.74</i>	<i>0.74</i>	<i>0.74</i>	0.66	<i>0.67</i>	<i>0.74</i>
Equatorial Guinea	0.39	0.40	0.41	0.41	0.42	0.41	<i>0.41</i>	<i>0.41</i>	<i>0.41</i>	<i>0.41</i>	<i>0.41</i>	<i>0.41</i>	0.40	<i>0.41</i>	<i>0.41</i>
Gabon	0.24	0.24	0.24	0.25	0.24	0.25	<i>0.25</i>	<i>0.25</i>	<i>0.25</i>	<i>0.24</i>	<i>0.24</i>	<i>0.24</i>	0.24	<i>0.25</i>	<i>0.24</i>
Sudan	0.40	0.45	0.49	0.52	0.52	0.52	<i>0.52</i>	<i>0.53</i>	<i>0.55</i>	<i>0.58</i>	<i>0.60</i>	<i>0.60</i>	0.47	<i>0.52</i>	<i>0.59</i>
Total non-OPEC liquids	48.97	49.12	48.83	49.14	48.68	48.86	<i>48.84</i>	<i>49.73</i>	<i>49.29</i>	<i>49.72</i>	<i>50.28</i>	<i>50.38</i>	49.02	<i>49.03</i>	<i>49.92</i>
OPEC non-crude liquids	4.55	4.49	4.51	4.53	4.59	4.61	<i>4.74</i>	<i>4.91</i>	<i>5.22</i>	<i>5.57</i>	<i>5.84</i>	<i>6.08</i>	4.52	<i>4.71</i>	<i>5.68</i>
Non-OPEC + OPEC non-crude	53.52	53.61	53.34	53.67	53.27	53.46	<i>53.58</i>	<i>54.64</i>	<i>54.51</i>	<i>55.29</i>	<i>56.11</i>	<i>56.46</i>	53.53	<i>53.74</i>	<i>55.60</i>

- = no data available

FSU = Former Soviet Union

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Supply includes production of crude oil (including lease condensates), natural gas plant liquids, other liquids, and refinery processing gains, alcohol.

Not all countries are shown in each region and sum of reported country volumes may not equal regional volumes.

Historical data: Latest data available from Energy Information Administration databases supporting the *International Petroleum Monthly*; and International Energy Agency, Monthly Oil Data Service, latest monthly release.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 3c. OPEC Petroleum Production (million barrels per day)
 Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Crude Oil															
Algeria	1.36	1.36	1.37	1.40	1.41	1.44	-	-	-	-	-	-	1.37	-	-
Angola	1.57	1.64	1.67	1.85	1.91	1.92	-	-	-	-	-	-	1.68	-	-
Ecuador	0.50	0.51	0.51	0.52	0.52	0.50	-	-	-	-	-	-	0.51	-	-
Indonesia	0.86	0.85	0.84	0.84	0.85	0.86	-	-	-	-	-	-	0.85	-	-
Iran	3.70	3.70	3.70	3.70	3.80	3.80	-	-	-	-	-	-	3.70	-	-
Iraq	1.93	2.07	2.05	2.28	2.25	2.40	-	-	-	-	-	-	2.08	-	-
Kuwait	2.43	2.42	2.48	2.52	2.58	2.60	-	-	-	-	-	-	2.46	-	-
Libya	1.68	1.68	1.71	1.74	1.74	1.72	-	-	-	-	-	-	1.70	-	-
Nigeria	2.11	2.06	2.15	2.16	1.99	1.90	-	-	-	-	-	-	2.12	-	-
Qatar	0.79	0.79	0.83	0.84	0.85	0.87	-	-	-	-	-	-	0.81	-	-
Saudi Arabia	8.65	8.60	8.67	8.97	9.20	9.32	-	-	-	-	-	-	8.72	-	-
United Arab Emirates	2.49	2.50	2.55	2.44	2.60	2.60	-	-	-	-	-	-	2.49	-	-
Venezuela	2.36	2.40	2.40	2.40	2.40	2.40	-	-	-	-	-	-	2.39	-	-
OPEC Total	30.44	30.58	30.93	31.65	32.10	32.33	32.88	32.83	32.35	32.14	31.96	31.78	30.90	32.53	32.05
Other Liquids	4.55	4.49	4.51	4.53	4.59	4.61	<i>4.74</i>	<i>4.91</i>	<i>5.22</i>	<i>5.57</i>	<i>5.84</i>	<i>6.08</i>	4.52	<i>4.71</i>	<i>5.68</i>
Total OPEC Supply	34.98	35.07	35.44	36.18	36.69	36.94	<i>37.62</i>	<i>37.74</i>	<i>37.57</i>	<i>37.71</i>	<i>37.79</i>	<i>37.86</i>	35.42	<i>37.25</i>	<i>37.73</i>
Crude Oil Production Capacity															
Algeria	1.39	1.39	1.39	1.40	1.41	1.44	-	-	-	-	-	-	1.39	-	-
Angola	1.57	1.64	1.67	1.85	1.91	1.92	-	-	-	-	-	-	1.68	-	-
Ecuador	0.50	0.51	0.51	0.52	0.52	0.50	-	-	-	-	-	-	0.51	-	-
Indonesia	0.86	0.85	0.84	0.84	0.85	0.86	-	-	-	-	-	-	0.85	-	-
Iran	3.75	3.75	3.75	3.70	3.80	3.80	-	-	-	-	-	-	3.74	-	-
Iraq	1.93	2.07	2.06	2.30	2.30	2.42	-	-	-	-	-	-	2.09	-	-
Kuwait	2.60	2.60	2.60	2.60	2.60	2.60	-	-	-	-	-	-	2.60	-	-
Libya	1.70	1.70	1.71	1.74	1.74	1.72	-	-	-	-	-	-	1.71	-	-
Nigeria	2.11	2.06	2.15	2.16	1.99	1.90	-	-	-	-	-	-	2.12	-	-
Qatar	0.82	0.82	0.83	0.84	0.85	0.87	-	-	-	-	-	-	0.83	-	-
Saudi Arabia	10.50	10.50	10.50	10.50	10.60	10.80	-	-	-	-	-	-	10.50	-	-
United Arab Emirates	2.60	2.60	2.60	2.45	2.60	2.60	-	-	-	-	-	-	2.56	-	-
Venezuela	2.45	2.43	2.40	2.40	2.40	2.40	-	-	-	-	-	-	2.42	-	-
OPEC Total	32.78	32.92	33.02	33.29	33.56	33.83	34.01	34.41	34.73	34.72	34.84	34.87	33.00	33.95	34.79
Surplus Crude Oil Production Capacity															
Algeria	0.03	0.03	0.02	0.00	0.00	0.00	-	-	-	-	-	-	0.02	-	-
Angola	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	0.00	-	-
Ecuador	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	0.00	-	-
Indonesia	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	0.00	-	-
Iran	0.05	0.05	0.05	0.00	0.00	0.00	-	-	-	-	-	-	0.04	-	-
Iraq	0.00	0.00	0.02	0.02	0.05	0.02	-	-	-	-	-	-	0.01	-	-
Kuwait	0.17	0.18	0.12	0.08	0.02	0.00	-	-	-	-	-	-	0.14	-	-
Libya	0.02	0.02	0.00	0.00	0.00	0.00	-	-	-	-	-	-	0.01	-	-
Nigeria	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	0.00	-	-
Qatar	0.03	0.03	0.00	0.00	0.00	0.00	-	-	-	-	-	-	0.01	-	-
Saudi Arabia	1.85	1.90	1.83	1.53	1.40	1.48	-	-	-	-	-	-	1.78	-	-
United Arab Emirates	0.11	0.10	0.05	0.02	0.00	0.00	-	-	-	-	-	-	0.07	-	-
Venezuela	0.09	0.03	0.00	0.00	0.00	0.00	-	-	-	-	-	-	0.03	-	-
OPEC Total	2.35	2.34	2.09	1.64	1.47	1.50	1.13	1.59	2.39	2.59	2.89	3.09	2.10	1.42	2.74

- = no data available

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from Energy Information Administration databases supporting the *International Petroleum Monthly*; and International Energy Agency, Monthly Oil Data Service, latest monthly release.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 4a. U.S. Petroleum Supply, Consumption, and Inventories
Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Supply (million barrels per day)															
Crude Oil Supply															
Domestic Production (a)	5.11	5.16	4.94	5.04	5.12	5.15	5.03	5.23	5.29	5.35	5.43	5.59	5.06	5.13	5.42
Alaska	0.76	0.74	0.65	0.72	0.71	0.68	0.65	0.70	0.69	0.66	0.64	0.63	0.72	0.68	0.66
Federal Gulf of Mexico (b)	1.31	1.34	1.22	1.24	1.33	1.35	1.23	1.31	1.41	1.48	1.51	1.58	1.28	1.30	1.49
Lower 48 States (excl GOM)	3.05	3.08	3.06	3.07	3.07	3.11	3.15	3.22	3.18	3.21	3.28	3.38	3.07	3.14	3.26
Crude Oil Net Imports (c)	9.87	10.13	10.15	9.86	9.72	9.84	9.95	9.42	9.05	9.51	9.18	8.88	10.00	9.73	9.15
SPR Net Withdrawals	0.00	-0.02	-0.03	-0.04	-0.04	-0.06	-0.01	0.00	-0.01	-0.02	0.00	0.00	-0.02	-0.03	-0.01
Commercial Inventory Net Withdrawals	-0.21	-0.25	0.47	0.27	-0.30	0.20	-0.05	0.06	-0.21	-0.06	0.20	0.04	0.07	-0.02	0.00
Crude Oil Adjustment (d)	-0.02	0.20	0.00	-0.03	0.09	0.04	0.08	-0.01	0.05	0.08	0.02	-0.02	0.04	0.05	0.03
Total Crude Oil Input to Refineries	14.77	15.23	15.53	15.09	14.59	15.16	15.00	14.70	14.18	14.86	14.83	14.50	15.16	14.86	14.59
Other Supply															
Refinery Processing Gain	0.98	0.96	1.01	1.03	0.98	0.97	1.00	1.02	0.98	0.99	1.01	1.02	1.00	1.00	1.00
Natural Gas Liquids Production	1.72	1.78	1.78	1.85	1.82	1.87	1.88	1.91	1.90	1.91	1.91	1.88	1.78	1.87	1.90
Other HC/Oxygenates Adjustment (e)	0.56	0.60	0.63	0.66	0.70	0.77	0.77	0.80	0.82	0.84	0.85	0.85	0.61	0.76	0.84
Fuel Ethanol Production	0.38	0.40	0.44	0.48	0.53	0.58	0.60	0.63	0.64	0.66	0.66	0.67	0.43	0.59	0.66
Product Net Imports (c)	2.09	2.36	2.08	1.61	1.33	1.41	1.65	1.84	1.67	1.67	1.69	1.68	2.03	1.56	1.68
Pentanes Plus	0.02	0.02	0.03	0.00	-0.01	-0.01	0.00	0.00	-0.01	-0.01	-0.02	0.00	0.02	0.00	-0.01
Liquefied Petroleum Gas	0.20	0.18	0.19	0.19	0.16	0.13	0.15	0.17	0.10	0.12	0.13	0.16	0.19	0.15	0.13
Unfinished Oils	0.74	0.79	0.68	0.66	0.75	0.76	0.82	0.67	0.73	0.75	0.77	0.67	0.72	0.75	0.73
Other HC/Oxygenates	-0.04	-0.05	-0.03	-0.05	-0.04	-0.02	-0.02	-0.03	-0.02	-0.03	-0.02	-0.03	-0.04	-0.03	-0.02
Motor Gasoline Blend Comp.	0.66	0.84	0.75	0.70	0.59	0.84	0.84	0.67	0.73	0.89	0.81	0.70	0.74	0.73	0.78
Finished Motor Gasoline	0.22	0.41	0.35	0.17	0.21	0.21	0.18	0.19	0.16	0.28	0.25	0.13	0.29	0.20	0.21
Jet Fuel	0.18	0.23	0.19	0.11	0.06	0.07	0.04	0.08	0.05	0.08	0.10	0.09	0.18	0.06	0.08
Distillate Fuel Oil	0.15	0.07	0.04	-0.11	-0.10	-0.36	-0.28	0.01	0.02	-0.15	-0.12	-0.01	0.04	-0.18	-0.07
Residual Fuel Oil	0.12	0.02	0.01	0.02	-0.03	-0.01	-0.01	0.09	0.00	-0.07	-0.08	0.00	0.04	0.01	-0.04
Other Oils (f)	-0.16	-0.14	-0.13	-0.07	-0.26	-0.21	-0.07	-0.01	-0.08	-0.19	-0.13	-0.04	-0.12	-0.14	-0.11
Product Inventory Net Withdrawals	0.67	-0.30	-0.30	0.33	0.47	-0.50	-0.08	0.20	0.38	-0.52	-0.22	0.27	0.10	0.02	-0.02
Total Supply	20.79	20.63	20.73	20.58	19.90	19.68	20.23	20.47	19.93	19.76	20.07	20.20	20.68	20.07	19.99
Consumption (million barrels per day)															
Natural Gas Liquids and Other Liquids															
Pentanes Plus	0.10	0.10	0.11	0.11	0.11	0.07	0.10	0.11	0.10	0.10	0.10	0.11	0.11	0.10	0.10
Liquefied Petroleum Gas	2.38	1.92	1.92	2.13	2.25	1.86	1.93	2.15	2.28	1.87	1.92	2.14	2.08	2.05	2.05
Unfinished Oils	0.10	0.05	-0.06	0.03	0.00	-0.06	-0.01	0.03	0.02	0.01	-0.02	0.01	0.03	-0.01	0.01
Finished Petroleum Products															
Motor Gasoline	9.02	9.38	9.49	9.24	8.91	9.14	9.32	9.21	8.87	9.18	9.28	9.17	9.29	9.14	9.13
Jet Fuel	1.60	1.64	1.63	1.61	1.54	1.58	1.55	1.57	1.50	1.55	1.58	1.56	1.62	1.56	1.55
Distillate Fuel Oil	4.38	4.13	4.11	4.16	4.20	3.92	4.04	4.18	4.24	3.99	3.97	4.10	4.20	4.08	4.08
Residual Fuel Oil	0.80	0.70	0.70	0.69	0.60	0.68	0.60	0.68	0.62	0.56	0.54	0.60	0.72	0.64	0.58
Other Oils (f)	2.39	2.69	2.82	2.61	2.27	2.49	2.71	2.55	2.28	2.49	2.70	2.50	2.63	2.50	2.49
Total Consumption	20.79	20.63	20.73	20.58	19.88	19.68	20.23	20.47	19.93	19.76	20.07	20.20	20.68	20.07	19.99
Total Petroleum Net Imports	11.96	12.49	12.23	11.47	11.05	11.25	11.61	11.26	10.73	11.18	10.86	10.56	12.04	11.29	10.83
End-of-period Inventories (million barrels)															
Commercial Inventory															
Crude Oil (excluding SPR)	330.9	354.1	311.1	286.1	313.1	294.7	299.0	293.6	312.2	317.6	299.3	295.2	286.1	293.6	295.2
Pentanes Plus	11.3	10.9	12.1	10.3	9.1	12.9	13.7	11.2	11.0	12.2	12.8	10.8	10.3	11.2	10.8
Liquefied Petroleum Gas	70.4	103.0	125.7	95.6	64.7	103.1	127.4	100.3	67.2	105.1	130.6	99.5	95.6	100.3	99.5
Unfinished Oils	95.2	88.6	90.9	81.2	90.2	88.7	87.8	81.6	93.2	89.6	88.6	81.7	81.2	81.6	81.7
Other HC/Oxygenates	10.2	10.6	13.4	11.7	13.3	13.8	14.6	13.8	14.8	14.5	15.5	14.6	11.7	13.8	14.6
Total Motor Gasoline	201.6	205.5	200.0	218.1	221.2	209.8	196.5	206.9	208.0	211.1	203.4	211.0	218.1	206.9	211.0
Finished Motor Gasoline	109.2	116.6	113.2	111.4	110.0	107.0	95.9	104.3	100.5	106.7	100.2	104.5	111.4	104.3	104.5
Motor Gasoline Blend Comp.	92.4	88.9	86.8	106.7	111.2	102.8	100.5	102.5	107.5	104.4	103.2	106.6	106.7	102.5	106.6
Jet Fuel	40.1	41.1	42.9	39.5	38.4	39.7	41.9	40.6	38.7	39.7	40.9	40.1	39.5	40.6	40.1
Distillate Fuel Oil	120.0	123.8	134.2	133.9	107.2	121.1	126.9	130.6	107.2	117.5	128.6	133.5	133.9	130.6	133.5
Residual Fuel Oil	39.6	36.1	37.0	39.3	39.4	41.6	37.7	39.6	38.8	38.3	36.3	38.2	39.3	39.6	38.2
Other Oils (f)	69.7	65.6	56.4	52.7	56.1	54.2	45.7	49.3	60.8	58.7	50.2	52.4	52.7	49.3	52.4
Total Commercial Inventory	989	1,039	1,024	968	953	980	991	967	952	1,004	1,006	977	968	967	977
Crude Oil in SPR	689	690	693	697	700	706	707	707	708	709	709	709	697	707	709
Heating Oil Reserve	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

- = no data available

(a) Includes lease condensate.

(b) Crude oil production from U.S. Federal leases in the Gulf of Mexico (GOM).

(c) Net imports equals gross imports minus gross exports.

(d) Crude oil adjustment balances supply and consumption and was previously referred to as "Unaccounted for Crude Oil."

(e) Other HC/oxygenates adjustment balances supply and consumption and includes MTBE and fuel ethanol production reported in the EIA-819M *Monthly Oxygenate Report*. This adjustment was previously referred to as "Field Production."

(f) "Other Oils" includes aviation gasoline blend components, finished aviation gasoline, kerosene, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt and road oil, still gas, and miscellaneous products.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

SPR: Strategic Petroleum Reserve

HC: Hydrocarbons

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109; *Petroleum Supply Annual*, DOE/EIA-0340/2; and *Weekly Petroleum Status Report*, DOE/EIA-0208.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 4b. U.S. Petroleum Refinery Balance (Million Barrels per Day, Except Utilization Factor)

Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Refinery Inputs															
Crude Oil	14.77	15.23	15.53	15.09	14.59	15.16	<i>15.00</i>	<i>14.70</i>	<i>14.18</i>	<i>14.86</i>	<i>14.83</i>	<i>14.50</i>	15.16	<i>14.86</i>	<i>14.59</i>
Pentanes Plus	0.17	0.19	0.18	0.18	0.15	0.16	<i>0.18</i>	<i>0.19</i>	<i>0.17</i>	<i>0.17</i>	<i>0.17</i>	<i>0.19</i>	0.18	<i>0.17</i>	<i>0.17</i>
Liquefied Petroleum Gas	0.33	0.27	0.29	0.42	0.36	0.29	<i>0.31</i>	<i>0.40</i>	<i>0.35</i>	<i>0.29</i>	<i>0.31</i>	<i>0.42</i>	0.33	<i>0.34</i>	<i>0.34</i>
Other Hydrocarbons/Oxygenates	0.47	0.48	0.49	0.52	0.54	0.60	<i>0.63</i>	<i>0.67</i>	<i>0.69</i>	<i>0.70</i>	<i>0.70</i>	<i>0.71</i>	0.49	<i>0.61</i>	<i>0.70</i>
Unfinished Oils	0.52	0.80	0.71	0.74	0.67	0.84	<i>0.84</i>	<i>0.71</i>	<i>0.58</i>	<i>0.78</i>	<i>0.80</i>	<i>0.74</i>	0.69	<i>0.77</i>	<i>0.72</i>
Motor Gasoline Blend Components	0.18	0.32	0.20	-0.09	0.28	0.63	<i>0.42</i>	<i>0.21</i>	<i>0.32</i>	<i>0.48</i>	<i>0.38</i>	<i>0.22</i>	0.15	<i>0.38</i>	<i>0.35</i>
Aviation Gasoline Blend Components	0.00	0.00	0.00	0.00	0.00	0.00	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	0.00	<i>0.00</i>	<i>0.00</i>
Total Refinery Inputs	16.43	17.29	17.41	16.86	16.58	17.68	<i>17.38</i>	<i>16.89</i>	<i>16.29</i>	<i>17.27</i>	<i>17.19</i>	<i>16.77</i>	17.00	<i>17.13</i>	<i>16.88</i>
Refinery Processing Gain	0.98	0.96	1.01	1.03	0.98	0.97	<i>1.00</i>	<i>1.02</i>	<i>0.98</i>	<i>0.99</i>	<i>1.01</i>	<i>1.02</i>	1.00	<i>1.00</i>	<i>1.00</i>
Refinery Outputs															
Liquefied Petroleum Gas	0.56	0.86	0.76	0.45	0.55	0.85	<i>0.75</i>	<i>0.46</i>	<i>0.54</i>	<i>0.83</i>	<i>0.75</i>	<i>0.45</i>	0.65	<i>0.65</i>	<i>0.65</i>
Finished Motor Gasoline	8.16	8.43	8.46	8.38	8.34	8.45	<i>8.47</i>	<i>8.57</i>	<i>8.21</i>	<i>8.41</i>	<i>8.40</i>	<i>8.52</i>	8.36	<i>8.46</i>	<i>8.39</i>
Jet Fuel	1.44	1.43	1.46	1.47	1.47	1.52	<i>1.54</i>	<i>1.47</i>	<i>1.44</i>	<i>1.48</i>	<i>1.49</i>	<i>1.46</i>	1.45	<i>1.50</i>	<i>1.47</i>
Distillate Fuel	3.98	4.10	4.18	4.27	4.01	4.44	<i>4.38</i>	<i>4.21</i>	<i>3.96</i>	<i>4.25</i>	<i>4.21</i>	<i>4.17</i>	4.13	<i>4.26</i>	<i>4.15</i>
Residual Fuel	0.66	0.64	0.70	0.69	0.63	0.71	<i>0.57</i>	<i>0.60</i>	<i>0.62</i>	<i>0.63</i>	<i>0.60</i>	<i>0.62</i>	0.67	<i>0.63</i>	<i>0.62</i>
Other Oils (a)	2.63	2.79	2.85	2.65	2.57	2.68	<i>2.68</i>	<i>2.59</i>	<i>2.49</i>	<i>2.66</i>	<i>2.74</i>	<i>2.57</i>	2.73	<i>2.63</i>	<i>2.61</i>
Total Refinery Output	17.41	18.25	18.41	17.89	17.57	18.65	<i>18.38</i>	<i>17.91</i>	<i>17.27</i>	<i>18.26</i>	<i>18.20</i>	<i>17.79</i>	17.99	<i>18.13</i>	<i>17.88</i>
Refinery Distillation Inputs	15.12	15.49	15.77	15.41	14.89	15.48	<i>15.26</i>	<i>15.07</i>	<i>14.55</i>	<i>15.21</i>	<i>15.19</i>	<i>14.87</i>	15.45	<i>15.18</i>	<i>14.95</i>
Refinery Operable Distillation Capacity	17.44	17.45	17.46	17.45	17.59	17.60	<i>17.60</i>	<i>17.61</i>	<i>17.61</i>	<i>17.61</i>	<i>17.61</i>	<i>17.61</i>	17.45	<i>17.60</i>	<i>17.61</i>
Refinery Distillation Utilization Factor	0.87	0.89	0.90	0.88	0.85	0.88	<i>0.87</i>	<i>0.86</i>	<i>0.83</i>	<i>0.86</i>	<i>0.86</i>	<i>0.84</i>	0.89	<i>0.86</i>	<i>0.85</i>

- = no data available

(a) "Other Oils" includes aviation gasoline blend components, finished aviation gasoline, kerosene, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt and road oil, still gas, and miscellaneous products.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109; *Petroleum Supply Annual*, DOE/EIA-0340/2; *Weekly Petroleum Status Report*, DOE/EIA-0208.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 4c. U.S. Regional Motor Gasoline Prices and Inventories

Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Prices (cents per gallon)															
Refiner Wholesale Price	176	238	222	234	249	315	<i>312</i>	<i>308</i>	<i>323</i>	<i>334</i>	<i>328</i>	<i>315</i>	218	<i>296</i>	<i>325</i>
Gasoline Regular Grade Retail Prices Excluding Taxes															
PADD 1 (East Coast)	186	244	231	246	263	325	<i>333</i>	<i>320</i>	<i>333</i>	<i>344</i>	<i>339</i>	<i>327</i>	227	<i>311</i>	<i>336</i>
PADD 2 (Midwest)	183	253	243	245	260	325	<i>331</i>	<i>319</i>	<i>332</i>	<i>344</i>	<i>340</i>	<i>324</i>	232	<i>309</i>	<i>335</i>
PADD 3 (Gulf Coast)	181	247	233	242	260	323	<i>330</i>	<i>315</i>	<i>330</i>	<i>341</i>	<i>336</i>	<i>323</i>	227	<i>307</i>	<i>333</i>
PADD 4 (Rocky Mountain)	181	259	246	248	255	321	<i>347</i>	<i>323</i>	<i>332</i>	<i>347</i>	<i>346</i>	<i>332</i>	234	<i>312</i>	<i>339</i>
PADD 5 (West Coast)	213	266	235	257	268	339	<i>353</i>	<i>337</i>	<i>349</i>	<i>365</i>	<i>353</i>	<i>342</i>	243	<i>325</i>	<i>352</i>
U.S. Average	188	251	236	247	262	327	<i>336</i>	<i>322</i>	<i>335</i>	<i>347</i>	<i>341</i>	<i>328</i>	231	<i>312</i>	<i>338</i>
Gasoline Regular Grade Retail Prices Including Taxes															
PADD 1	235	295	280	296	312	374	<i>382</i>	<i>369</i>	<i>382</i>	<i>395</i>	<i>389</i>	<i>377</i>	277	<i>360</i>	<i>386</i>
PADD 2	229	302	292	294	307	373	<i>380</i>	<i>367</i>	<i>379</i>	<i>392</i>	<i>388</i>	<i>374</i>	280	<i>357</i>	<i>383</i>
PADD 3	222	289	275	284	301	364	<i>371</i>	<i>356</i>	<i>372</i>	<i>384</i>	<i>379</i>	<i>365</i>	268	<i>348</i>	<i>375</i>
PADD 4	228	307	292	295	302	367	<i>393</i>	<i>371</i>	<i>378</i>	<i>394</i>	<i>393</i>	<i>379</i>	281	<i>359</i>	<i>386</i>
PADD 5	268	326	292	316	327	398	<i>411</i>	<i>391</i>	<i>404</i>	<i>422</i>	<i>411</i>	<i>399</i>	301	<i>382</i>	<i>409</i>
U.S. Average	236	302	285	297	311	376	<i>385</i>	<i>370</i>	<i>384</i>	<i>397</i>	<i>391</i>	<i>378</i>	281	<i>361</i>	<i>388</i>
Gasoline All Grades Including Taxes	241	306	290	302	316	381	<i>390</i>	<i>375</i>	<i>388</i>	<i>402</i>	<i>396</i>	<i>383</i>	285	<i>366</i>	<i>392</i>
End-of-period Inventories (million barrels)															
Total Gasoline Inventories															
PADD 1	54.3	53.5	51.8	59.9	59.4	59.2	<i>53.1</i>	<i>56.0</i>	<i>56.2</i>	<i>59.1</i>	<i>55.3</i>	<i>56.6</i>	59.9	<i>56.0</i>	<i>56.6</i>
PADD 2	49.1	49.8	49.9	52.7	52.4	51.3	<i>49.4</i>	<i>51.1</i>	<i>50.4</i>	<i>50.1</i>	<i>49.6</i>	<i>51.1</i>	52.7	<i>51.1</i>	<i>51.1</i>
PADD 3	63.7	65.3	63.3	67.2	71.5	64.7	<i>61.5</i>	<i>65.5</i>	<i>66.8</i>	<i>67.6</i>	<i>65.6</i>	<i>68.6</i>	67.2	<i>65.5</i>	<i>68.6</i>
PADD 4	6.5	6.3	6.1	6.5	6.7	6.6	<i>6.1</i>	<i>6.4</i>	<i>6.4</i>	<i>5.7</i>	<i>5.6</i>	<i>6.3</i>	6.5	<i>6.4</i>	<i>6.3</i>
PADD 5	28.0	30.7	28.8	31.8	31.3	28.0	<i>26.3</i>	<i>27.9</i>	<i>28.2</i>	<i>28.7</i>	<i>27.3</i>	<i>28.4</i>	31.8	<i>27.9</i>	<i>28.4</i>
U.S. Total	201.6	205.5	200.0	218.1	221.2	209.8	<i>196.5</i>	<i>206.9</i>	<i>208.0</i>	<i>211.1</i>	<i>203.4</i>	<i>211.0</i>	218.1	<i>206.9</i>	<i>211.0</i>
Finished Gasoline Inventories															
PADD 1	25.8	29.9	29.5	29.1	27.0	28.8	<i>23.1</i>	<i>26.2</i>	<i>23.8</i>	<i>27.9</i>	<i>25.2</i>	<i>26.1</i>	29.1	<i>26.2</i>	<i>26.1</i>
PADD 2	33.6	34.5	34.1	35.6	34.5	33.6	<i>31.8</i>	<i>34.3</i>	<i>32.7</i>	<i>32.8</i>	<i>32.7</i>	<i>34.2</i>	35.6	<i>34.3</i>	<i>34.2</i>
PADD 3	37.0	38.1	36.8	35.7	36.1	33.8	<i>30.7</i>	<i>34.0</i>	<i>33.3</i>	<i>34.8</i>	<i>32.6</i>	<i>35.0</i>	35.7	<i>34.0</i>	<i>35.0</i>
PADD 4	4.6	4.4	4.4	4.6	4.7	4.5	<i>4.3</i>	<i>4.4</i>	<i>4.5</i>	<i>4.1</i>	<i>4.0</i>	<i>4.2</i>	4.6	<i>4.4</i>	<i>4.2</i>
PADD 5	8.2	9.8	8.4	6.5	7.7	6.3	<i>5.9</i>	<i>5.4</i>	<i>6.2</i>	<i>7.1</i>	<i>5.7</i>	<i>4.9</i>	6.5	<i>5.4</i>	<i>4.9</i>
U.S. Total	109.2	116.6	113.2	111.4	110.0	107.0	<i>95.9</i>	<i>104.3</i>	<i>100.5</i>	<i>106.7</i>	<i>100.2</i>	<i>104.5</i>	111.4	<i>104.3</i>	<i>104.5</i>
Gasoline Blending Components Inventories															
PADD 1	28.5	23.6	22.3	30.8	32.4	30.5	<i>30.0</i>	<i>29.8</i>	<i>32.4</i>	<i>31.2</i>	<i>30.2</i>	<i>30.6</i>	30.8	<i>29.8</i>	<i>30.6</i>
PADD 2	15.5	15.3	15.8	17.1	17.9	17.6	<i>17.5</i>	<i>16.8</i>	<i>17.7</i>	<i>17.3</i>	<i>16.9</i>	<i>16.9</i>	17.1	<i>16.8</i>	<i>16.9</i>
PADD 3	26.7	27.2	26.5	31.6	35.3	30.9	<i>30.8</i>	<i>31.4</i>	<i>33.6</i>	<i>32.8</i>	<i>32.9</i>	<i>33.6</i>	31.6	<i>31.4</i>	<i>33.6</i>
PADD 4	1.9	1.9	1.7	2.0	1.9	2.2	<i>1.8</i>	<i>2.1</i>	<i>1.9</i>	<i>1.6</i>	<i>1.6</i>	<i>2.0</i>	2.0	<i>2.1</i>	<i>2.0</i>
PADD 5	19.8	21.0	20.4	25.2	23.6	21.7	<i>20.4</i>	<i>22.4</i>	<i>22.0</i>	<i>21.6</i>	<i>21.6</i>	<i>23.5</i>	25.2	<i>22.4</i>	<i>23.5</i>
U.S. Total	92.4	88.9	86.8	106.7	111.2	102.8	<i>100.5</i>	<i>102.5</i>	<i>107.5</i>	<i>104.4</i>	<i>103.2</i>	<i>106.6</i>	106.7	<i>102.5</i>	<i>106.6</i>

- = no data available

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to Petroleum Administration for Defense Districts (PADD).

 See "Petroleum for Administration Defense District" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Petroleum Marketing Monthly*, DOE/EIA-0380;

Petroleum Supply Monthly, DOE/EIA-0109; *Petroleum Supply Annual*, DOE/EIA-0340/2; and *Weekly Petroleum Status Report*, DOE/EIA-0208.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 4d. U.S. Regional Heating Oil Prices and Distillate Inventories
 Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Prices (cents per gallon)															
Refiner Wholesale Prices															
Heating Oil	170	196	208	250	269	346	332	325	338	349	338	329	206	309	337
Diesel Fuel	184	212	224	257	284	364	341	336	350	365	356	343	220	332	353
Heating Oil Residential Prices Excluding Taxes															
Northeast	240	249	256	301	324	381	392	388	398	397	384	385	260	360	393
South	229	240	248	302	327	387	384	385	398	396	379	385	251	362	392
Midwest	224	247	259	299	319	390	386	383	388	396	387	383	252	359	388
West	247	259	267	320	330	399	399	401	409	418	408	407	272	380	410
U.S. Average	238	248	256	301	324	382	391	388	398	398	385	386	259	361	393
Heating Oil Residential Prices Including State Taxes															
Northeast	252	261	269	316	340	400	411	407	418	417	403	404	273	378	412
South	239	250	258	315	341	403	401	401	415	413	396	402	262	378	409
Midwest	238	261	274	317	338	413	408	405	411	419	409	406	267	380	410
West	254	266	273	328	339	410	409	411	420	429	418	418	279	389	421
U.S. Average	250	261	268	316	340	401	410	407	417	417	403	405	272	378	412
Total Distillate End-of-period Inventories (million barrels)															
PADD 1 (East Coast)	43.9	45.1	57.8	55.7	33.2	41.9	51.5	52.2	34.8	41.7	54.8	55.7	55.7	52.2	55.7
PADD 2 (Midwest)	28.5	30.2	29.2	30.1	28.5	30.3	29.0	29.3	27.9	29.0	28.4	28.8	30.1	29.3	28.8
PADD 3 (Gulf Coast)	32.0	33.5	32.5	31.3	29.9	32.4	32.1	32.9	29.9	32.1	31.5	32.8	31.3	32.9	32.8
PADD 4 (Rocky Mountain)	3.3	3.1	2.7	3.3	3.1	3.4	2.8	3.2	3.1	3.0	2.7	3.2	3.3	3.2	3.2
PADD 5 (West Coast)	12.4	11.9	12.0	13.6	12.5	13.2	11.5	13.0	11.5	11.7	11.1	12.9	13.6	13.0	12.9
U.S. Total	120.0	123.8	134.2	133.9	107.2	121.1	126.9	130.6	107.2	117.5	128.6	133.5	133.9	130.6	133.5

- = no data available

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to Petroleum Administration for Defense Districts (PADD) for inventories and to U.S. Census regions for prices.

See "Petroleum for Administration Defense District" and "Census region" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Petroleum Marketing Monthly*, DOE/EIA-0380;

Petroleum Supply Monthly, DOE/EIA-0109; *Petroleum Supply Annual*, DOE/EIA-0340/2; and *Weekly Petroleum Status Report*, DOE/EIA-0208.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 4e. U.S. Regional Propane Prices and Inventories

Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Prices (cents per gallon)															
Propane Wholesale Price (a)	95	111	119	146	145	165	<i>165</i>	<i>163</i>	<i>163</i>	<i>162</i>	<i>163</i>	<i>169</i>	117	<i>158</i>	<i>165</i>
Propane Residential Prices excluding Taxes															
Northeast	220	233	242	260	270	290	<i>297</i>	<i>290</i>	<i>287</i>	<i>281</i>	<i>285</i>	<i>291</i>	236	<i>283</i>	<i>287</i>
South	207	212	207	244	257	267	<i>265</i>	<i>273</i>	<i>278</i>	<i>263</i>	<i>257</i>	<i>274</i>	219	<i>265</i>	<i>272</i>
Midwest	167	169	167	195	204	217	<i>222</i>	<i>228</i>	<i>230</i>	<i>218</i>	<i>214</i>	<i>229</i>	176	<i>216</i>	<i>226</i>
West	208	202	196	239	258	255	<i>251</i>	<i>269</i>	<i>275</i>	<i>257</i>	<i>250</i>	<i>275</i>	215	<i>260</i>	<i>267</i>
U.S. Average	194	201	195	226	237	251	<i>250</i>	<i>257</i>	<i>260</i>	<i>252</i>	<i>244</i>	<i>259</i>	205	<i>247</i>	<i>256</i>
Propane Residential Prices including State Taxes															
Northeast	230	244	252	271	282	302	<i>310</i>	<i>303</i>	<i>300</i>	<i>294</i>	<i>297</i>	<i>304</i>	247	<i>296</i>	<i>299</i>
South	218	222	217	256	270	281	<i>278</i>	<i>287</i>	<i>292</i>	<i>276</i>	<i>270</i>	<i>288</i>	230	<i>278</i>	<i>286</i>
Midwest	177	178	176	206	216	229	<i>234</i>	<i>241</i>	<i>243</i>	<i>230</i>	<i>226</i>	<i>242</i>	186	<i>228</i>	<i>239</i>
West	220	214	207	253	273	270	<i>265</i>	<i>284</i>	<i>291</i>	<i>272</i>	<i>264</i>	<i>291</i>	227	<i>275</i>	<i>282</i>
U.S. Average	203	211	205	238	250	265	<i>264</i>	<i>270</i>	<i>273</i>	<i>265</i>	<i>257</i>	<i>272</i>	215	<i>260</i>	<i>269</i>
Propane End-of-period Inventories (million barrels)															
PADD 1 (East Coast)	3.2	3.7	4.5	4.6	2.5	3.8	<i>4.5</i>	<i>4.5</i>	<i>2.7</i>	<i>3.8</i>	<i>4.4</i>	<i>4.3</i>	4.6	<i>4.5</i>	<i>4.3</i>
PADD 2 (Midwest)	8.6	16.6	23.5	19.4	9.0	17.8	<i>23.2</i>	<i>19.3</i>	<i>8.6</i>	<i>16.6</i>	<i>22.8</i>	<i>19.0</i>	19.4	<i>19.3</i>	<i>19.0</i>
PADD 3 (Gulf Coast)	14.2	21.7	27.5	25.7	13.3	19.7	<i>27.7</i>	<i>26.3</i>	<i>15.2</i>	<i>24.4</i>	<i>31.2</i>	<i>26.6</i>	25.7	<i>26.3</i>	<i>26.6</i>
PADD 4 (Rocky Mountain)	0.4	0.4	0.4	0.4	0.4	0.4	<i>0.6</i>	<i>0.5</i>	<i>0.3</i>	<i>0.4</i>	<i>0.5</i>	<i>0.4</i>	0.4	<i>0.5</i>	<i>0.4</i>
PADD 5 (West Coast)	0.4	1.3	2.5	2.0	0.4	0.9	<i>2.3</i>	<i>1.6</i>	<i>0.4</i>	<i>1.2</i>	<i>2.4</i>	<i>1.6</i>	2.0	<i>1.6</i>	<i>1.6</i>
U.S. Total	26.9	43.7	58.3	52.0	25.6	42.6	<i>58.2</i>	<i>52.2</i>	<i>27.2</i>	<i>46.4</i>	<i>61.3</i>	<i>52.0</i>	52.0	<i>52.2</i>	<i>52.0</i>

- = no data available

(a) Propane price to petrochemical sector.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to Petroleum Administration for Defense Districts (PADD) for inventories and to U.S. Census regions for prices.

 See "Petroleum for Administration Defense District" and "Census region" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Petroleum Marketing Monthly*, DOE/EIA-0380;

Petroleum Supply Monthly, DOE/EIA-0109; *Petroleum Supply Annual*, DOE/EIA-0340/2; and *Weekly Petroleum Status Report*, DOE/EIA-0208.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 5a. U.S. Natural Gas Supply, Consumption, and Inventories
 Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Supply (billion cubic feet per day)															
Total Marketed Production	53.78	54.67	55.45	56.90	58.29	58.81	<i>60.14</i>	<i>60.78</i>	<i>61.38</i>	<i>61.89</i>	<i>61.89</i>	<i>61.97</i>	55.21	<i>59.51</i>	<i>61.78</i>
Alaska	1.34	1.14	1.19	1.20	1.23	1.03	<i>1.09</i>	<i>1.24</i>	<i>1.28</i>	<i>1.06</i>	<i>1.11</i>	<i>1.22</i>	1.22	<i>1.15</i>	<i>1.17</i>
Federal GOM (a)	7.65	7.63	7.34	7.74	7.81	6.97	<i>7.54</i>	<i>7.82</i>	<i>8.04</i>	<i>7.97</i>	<i>7.67</i>	<i>7.76</i>	7.59	<i>7.54</i>	<i>7.86</i>
Lower 48 States (excl GOM)	44.79	45.89	46.92	47.96	49.25	50.80	<i>51.51</i>	<i>51.72</i>	<i>52.06</i>	<i>52.86</i>	<i>53.11</i>	<i>52.99</i>	46.40	<i>50.83</i>	<i>52.76</i>
Total Dry Gas Production	51.47	52.28	53.06	54.41	55.83	56.29	<i>57.57</i>	<i>58.19</i>	<i>58.77</i>	<i>59.26</i>	<i>59.26</i>	<i>59.33</i>	52.82	<i>56.98</i>	<i>59.15</i>
Gross Imports	12.98	12.62	13.11	11.79	11.95	9.91	<i>10.47</i>	<i>10.53</i>	<i>10.54</i>	<i>10.20</i>	<i>10.85</i>	<i>10.28</i>	12.62	<i>10.71</i>	<i>10.47</i>
Pipeline	10.93	9.55	10.64	10.93	11.12	8.84	<i>9.43</i>	<i>9.63</i>	<i>9.68</i>	<i>8.69</i>	<i>9.33</i>	<i>9.24</i>	10.51	<i>9.75</i>	<i>9.23</i>
LNG	2.05	3.07	2.47	0.86	0.83	1.06	<i>1.04</i>	<i>0.91</i>	<i>0.86</i>	<i>1.51</i>	<i>1.52</i>	<i>1.04</i>	2.11	<i>0.96</i>	<i>1.23</i>
Gross Exports	2.25	1.87	2.15	2.73	3.56	2.24	<i>1.90</i>	<i>2.53</i>	<i>3.27</i>	<i>2.25</i>	<i>2.01</i>	<i>2.78</i>	2.25	<i>2.56</i>	<i>2.57</i>
Net Imports	10.72	10.75	10.97	9.06	8.39	7.67	<i>8.56</i>	<i>8.00</i>	<i>7.27</i>	<i>7.95</i>	<i>8.84</i>	<i>7.50</i>	10.37	<i>8.16</i>	<i>7.89</i>
Supplemental Gaseous Fuels	0.20	0.16	0.18	0.14	0.13	0.15	<i>0.16</i>	<i>0.17</i>	<i>0.16</i>	<i>0.13</i>	<i>0.15</i>	<i>0.16</i>	0.17	<i>0.15</i>	<i>0.15</i>
Net Inventory Withdrawals	16.26	-10.63	-8.02	4.56	17.97	-10.23	<i>-10.83</i>	<i>3.57</i>	<i>15.55</i>	<i>-10.53</i>	<i>-9.03</i>	<i>3.66</i>	0.48	<i>0.10</i>	<i>-0.15</i>
Total Supply	78.65	52.55	56.18	68.16	82.32	53.88	<i>55.46</i>	<i>69.94</i>	<i>81.75</i>	<i>56.80</i>	<i>59.21</i>	<i>70.65</i>	63.84	<i>65.38</i>	<i>67.05</i>
Balancing Item (b)	0.49	1.26	0.15	-4.55	-0.29	1.62	<i>1.37</i>	<i>-4.82</i>	<i>0.90</i>	<i>1.12</i>	<i>-0.22</i>	<i>-4.96</i>	-0.67	<i>-0.54</i>	<i>-0.80</i>
Total Primary Supply	79.14	53.82	56.35	63.61	82.03	55.30	<i>56.83</i>	<i>65.11</i>	<i>82.65</i>	<i>57.92</i>	<i>58.99</i>	<i>65.69</i>	63.17	<i>64.80</i>	<i>66.25</i>
Consumption (billion cubic feet per day)															
Residential	25.78	8.37	3.77	14.08	25.89	8.53	<i>3.96</i>	<i>15.30</i>	<i>26.34</i>	<i>8.87</i>	<i>3.97</i>	<i>14.94</i>	12.94	<i>13.40</i>	<i>13.47</i>
Commercial	14.01	6.19	4.10	8.76	14.32	6.26	<i>4.39</i>	<i>9.30</i>	<i>14.40</i>	<i>6.43</i>	<i>4.40</i>	<i>9.20</i>	8.24	<i>8.56</i>	<i>8.58</i>
Industrial	19.74	17.06	17.05	18.86	20.52	17.63	<i>17.07</i>	<i>18.62</i>	<i>20.30</i>	<i>18.09</i>	<i>17.52</i>	<i>18.96</i>	18.17	<i>18.45</i>	<i>18.71</i>
Electric Power (c)	14.29	17.50	26.61	16.82	15.62	18.07	<i>26.32</i>	<i>16.52</i>	<i>15.68</i>	<i>19.32</i>	<i>27.89</i>	<i>17.13</i>	18.83	<i>19.15</i>	<i>20.03</i>
Lease and Plant Fuel	3.12	3.17	3.22	3.30	3.38	3.41	<i>3.49</i>	<i>3.52</i>	<i>3.56</i>	<i>3.59</i>	<i>3.59</i>	<i>3.59</i>	3.20	<i>3.45</i>	<i>3.58</i>
Pipeline and Distribution Use	2.14	1.45	1.52	1.72	2.21	1.52	<i>1.53</i>	<i>1.78</i>	<i>2.28</i>	<i>1.54</i>	<i>1.53</i>	<i>1.78</i>	1.71	<i>1.76</i>	<i>1.78</i>
Vehicle Use	0.07	0.07	0.07	0.07	0.08	0.08	<i>0.08</i>	<i>0.08</i>	<i>0.09</i>	<i>0.09</i>	<i>0.09</i>	<i>0.09</i>	0.07	<i>0.08</i>	<i>0.09</i>
Total Consumption	79.14	53.81	56.34	63.61	82.03	55.50	<i>56.83</i>	<i>65.11</i>	<i>82.65</i>	<i>57.92</i>	<i>58.99</i>	<i>65.69</i>	63.16	<i>64.85</i>	<i>66.25</i>
End-of-period Inventories (billion cubic feet)															
Working Gas Inventory	1,603	2,580	3,316	2,879	1,247	2,171	<i>3,197</i>	<i>2,869</i>	<i>1,470</i>	<i>2,428</i>	<i>3,259</i>	<i>2,922</i>	2,879	<i>2,869</i>	<i>2,922</i>
Producing Region (d)	649	899	979	909	497	718	<i>879</i>	<i>855</i>	<i>580</i>	<i>828</i>	<i>962</i>	<i>915</i>	909	<i>855</i>	<i>915</i>
East Consuming Region (d)	715	1,309	1,898	1,586	574	1,147	<i>1,893</i>	<i>1,630</i>	<i>658</i>	<i>1,244</i>	<i>1,858</i>	<i>1,620</i>	1,586	<i>1,630</i>	<i>1,620</i>
West Consuming Region (d)	239	372	438	384	176	306	<i>425</i>	<i>383</i>	<i>232</i>	<i>356</i>	<i>439</i>	<i>387</i>	384	<i>383</i>	<i>387</i>

- = no data available

(a) Marketed production from U.S. Federal leases in the Gulf of Mexico.

(b) 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.

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

(d) For a list of States in each inventory region refer to *Methodology for EIA Weekly Underground Natural Gas Storage Estimates* (<http://tonto.eia.doe.gov/oog/info/ngs/methodology.html>).

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

LNG: liquefied natural gas.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Natural Gas Monthly*, DOE/EIA-0130; and *Electric Power Monthly*, DOE/EIA-0226.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 5b. U.S. Regional Natural Gas Consumption (Billion Cubic Feet/ Day)

Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Residential Sector															
New England	1.02	0.41	0.14	0.50	0.98	0.39	<i>0.15</i>	<i>0.50</i>	<i>1.07</i>	<i>0.41</i>	<i>0.14</i>	<i>0.48</i>	0.52	<i>0.50</i>	<i>0.52</i>
Middle Atlantic	4.67	1.63	0.64	2.59	4.46	1.57	<i>0.65</i>	<i>2.55</i>	<i>4.89</i>	<i>1.78</i>	<i>0.67</i>	<i>2.44</i>	2.37	<i>2.30</i>	<i>2.43</i>
E. N. Central	7.46	2.26	0.85	4.07	7.67	2.32	<i>1.01</i>	<i>4.61</i>	<i>7.70</i>	<i>2.38</i>	<i>0.91</i>	<i>4.50</i>	3.64	<i>3.90</i>	<i>3.85</i>
W. N. Central	2.42	0.66	0.27	1.31	2.66	0.79	<i>0.27</i>	<i>1.38</i>	<i>2.45</i>	<i>0.71</i>	<i>1.36</i>	<i>1.36</i>	1.16	<i>1.27</i>	<i>1.20</i>
S. Atlantic	2.37	0.67	0.32	1.33	2.24	0.58	<i>0.34</i>	<i>1.50</i>	<i>2.51</i>	<i>0.68</i>	<i>0.35</i>	<i>1.47</i>	1.17	<i>1.16</i>	<i>1.25</i>
E. S. Central	1.03	0.25	0.12	0.46	1.06	0.26	<i>0.13</i>	<i>0.55</i>	<i>1.09</i>	<i>0.28</i>	<i>0.12</i>	<i>0.54</i>	0.46	<i>0.50</i>	<i>0.50</i>
W. S. Central	2.02	0.54	0.30	0.78	1.89	0.51	<i>0.29</i>	<i>0.90</i>	<i>1.86</i>	<i>0.52</i>	<i>0.30</i>	<i>0.85</i>	0.90	<i>0.89</i>	<i>0.88</i>
Mountain	1.90	0.61	0.29	1.13	1.96	0.70	<i>0.30</i>	<i>1.27</i>	<i>1.92</i>	<i>0.69</i>	<i>0.28</i>	<i>1.28</i>	0.98	<i>1.05</i>	<i>1.04</i>
Pacific	2.89	1.34	0.84	1.92	2.97	1.41	<i>0.84</i>	<i>2.03</i>	<i>2.86</i>	<i>1.43</i>	<i>0.89</i>	<i>2.02</i>	1.74	<i>1.81</i>	<i>1.79</i>
Total	25.78	8.37	3.77	14.08	25.89	8.53	<i>3.96</i>	<i>15.30</i>	<i>26.34</i>	<i>8.87</i>	<i>3.97</i>	<i>14.94</i>	12.94	<i>13.40</i>	<i>13.47</i>
Commercial Sector															
New England	0.61	0.27	0.14	0.34	0.60	0.26	<i>0.14</i>	<i>0.34</i>	<i>0.61</i>	<i>0.27</i>	<i>0.14</i>	<i>0.34</i>	0.34	<i>0.34</i>	<i>0.34</i>
Middle Atlantic	2.70	1.27	0.87	1.73	2.69	1.18	<i>0.89</i>	<i>1.76</i>	<i>2.84</i>	<i>1.36</i>	<i>0.90</i>	<i>1.72</i>	1.64	<i>1.63</i>	<i>1.70</i>
E. N. Central	3.49	1.28	0.68	2.06	3.73	1.31	<i>0.74</i>	<i>2.23</i>	<i>3.62</i>	<i>1.29</i>	<i>0.75</i>	<i>2.21</i>	1.87	<i>2.00</i>	<i>1.96</i>
W. N. Central	1.44	0.50	0.29	0.85	1.56	0.55	<i>0.32</i>	<i>0.89</i>	<i>1.44</i>	<i>0.51</i>	<i>0.32</i>	<i>0.88</i>	0.77	<i>0.83</i>	<i>0.78</i>
S. Atlantic	1.59	0.77	0.54	1.05	1.51	0.72	<i>0.59</i>	<i>1.15</i>	<i>1.68</i>	<i>0.78</i>	<i>0.57</i>	<i>1.14</i>	0.98	<i>0.99</i>	<i>1.04</i>
E. S. Central	0.64	0.25	0.17	0.36	0.65	0.25	<i>0.18</i>	<i>0.39</i>	<i>0.65</i>	<i>0.24</i>	<i>0.18</i>	<i>0.38</i>	0.35	<i>0.37</i>	<i>0.36</i>
W. S. Central	1.16	0.57	0.44	0.68	1.14	0.60	<i>0.50</i>	<i>0.75</i>	<i>1.17</i>	<i>0.57</i>	<i>0.49</i>	<i>0.75</i>	0.71	<i>0.75</i>	<i>0.75</i>
Mountain	1.05	0.44	0.27	0.66	1.08	0.49	<i>0.29</i>	<i>0.70</i>	<i>1.04</i>	<i>0.51</i>	<i>0.31</i>	<i>0.70</i>	0.60	<i>0.64</i>	<i>0.64</i>
Pacific	1.32	0.84	0.69	1.04	1.35	0.89	<i>0.73</i>	<i>1.08</i>	<i>1.35</i>	<i>0.89</i>	<i>0.73</i>	<i>1.07</i>	0.97	<i>1.01</i>	<i>1.01</i>
Total	14.01	6.19	4.10	8.76	14.32	6.26	<i>4.39</i>	<i>9.30</i>	<i>14.40</i>	<i>6.43</i>	<i>4.40</i>	<i>9.20</i>	8.24	<i>8.56</i>	<i>8.58</i>
Industrial Sector															
New England	0.33	0.22	0.16	0.26	0.36	0.22	<i>0.17</i>	<i>0.24</i>	<i>0.33</i>	<i>0.23</i>	<i>0.17</i>	<i>0.24</i>	0.24	<i>0.25</i>	<i>0.24</i>
Middle Atlantic	1.07	0.85	0.81	0.96	1.13	0.84	<i>0.80</i>	<i>0.96</i>	<i>1.12</i>	<i>0.89</i>	<i>0.81</i>	<i>0.97</i>	0.92	<i>0.93</i>	<i>0.95</i>
E. N. Central	3.84	2.75	2.54	3.16	3.84	2.88	<i>2.60</i>	<i>3.27</i>	<i>3.87</i>	<i>2.90</i>	<i>2.62</i>	<i>3.29</i>	3.07	<i>3.15</i>	<i>3.17</i>
W. N. Central	1.40	1.16	1.25	1.44	1.57	1.25	<i>1.23</i>	<i>1.36</i>	<i>1.44</i>	<i>1.20</i>	<i>1.25</i>	<i>1.40</i>	1.31	<i>1.35</i>	<i>1.32</i>
S. Atlantic	1.52	1.38	1.34	1.47	1.59	1.41	<i>1.35</i>	<i>1.49</i>	<i>1.61</i>	<i>1.44</i>	<i>1.37</i>	<i>1.49</i>	1.43	<i>1.46</i>	<i>1.48</i>
E. S. Central	1.38	1.19	1.11	1.29	1.41	1.21	<i>1.10</i>	<i>1.26</i>	<i>1.39</i>	<i>1.22</i>	<i>1.13</i>	<i>1.29</i>	1.24	<i>1.25</i>	<i>1.25</i>
W. S. Central	6.86	6.56	6.58	6.81	7.08	6.69	<i>6.59</i>	<i>6.61</i>	<i>7.00</i>	<i>6.88</i>	<i>6.78</i>	<i>6.73</i>	6.70	<i>6.74</i>	<i>6.85</i>
Mountain	0.90	0.69	0.73	0.86	0.96	0.75	<i>0.72</i>	<i>0.86</i>	<i>0.93</i>	<i>0.78</i>	<i>0.74</i>	<i>0.87</i>	0.80	<i>0.82</i>	<i>0.83</i>
Pacific	2.42	2.27	2.54	2.61	2.58	2.37	<i>2.50</i>	<i>2.57</i>	<i>2.61</i>	<i>2.55</i>	<i>2.64</i>	<i>2.67</i>	2.46	<i>2.51</i>	<i>2.62</i>
Total	19.74	17.06	17.05	18.86	20.52	17.63	<i>17.07</i>	<i>18.62</i>	<i>20.30</i>	<i>18.09</i>	<i>17.52</i>	<i>18.96</i>	18.17	<i>18.45</i>	<i>18.71</i>

- = no data available

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to U.S. Census divisions.

See "Census division" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.**Historical data:** Latest data available from Energy Information Administration databases supporting the *Natural Gas Monthly*, DOE/EIA-0130.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 5c. U.S. Regional Natural Gas Prices (dollars per thousand cubic feet)

Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Wholesale/Spot															
U.S. Average Wellhead	6.37	6.89	5.90	6.39	7.62	9.86	8.95	8.17	8.38	7.55	7.45	7.85	6.39	8.65	7.80
Henry Hub Spot Price	7.41	7.76	6.35	7.19	8.92	11.73	9.41	8.78	9.17	8.39	8.06	8.58	7.17	9.71	8.55
Residential															
New England	15.99	16.91	19.07	16.45	16.18	18.02	22.13	18.71	18.46	17.59	19.63	17.65	16.50	17.60	18.18
Middle Atlantic	14.22	15.75	18.61	15.07	14.70	17.28	21.37	17.43	16.31	16.58	19.68	16.36	15.01	16.37	16.61
E. N. Central	10.98	12.81	15.29	11.36	11.40	14.94	17.79	13.69	12.90	13.42	15.47	12.61	11.62	13.02	13.05
W. N. Central	11.38	13.48	17.33	11.39	11.20	14.43	19.38	13.98	13.18	13.87	17.34	13.11	12.04	12.89	13.53
S. Atlantic	14.90	18.56	24.29	16.20	15.33	20.81	26.30	19.77	17.93	19.41	23.09	17.34	16.45	18.25	18.33
E. S. Central	13.16	15.69	18.46	14.26	13.39	17.51	21.72	17.37	16.00	16.48	19.15	15.56	14.12	15.56	16.14
W. S. Central	10.69	14.49	16.81	13.37	11.92	17.92	21.78	16.32	14.28	15.50	18.17	14.92	12.35	14.68	14.95
Mountain	10.61	11.73	14.44	10.14	10.45	12.35	16.40	13.01	12.57	12.55	14.93	11.70	10.93	11.96	12.46
Pacific	11.73	12.64	12.56	11.64	12.12	14.37	15.40	13.60	13.75	12.81	13.28	13.04	11.98	13.36	13.30
U.S. Average	12.31	14.18	16.41	12.65	12.46	15.57	19.13	15.14	14.42	14.55	16.90	13.93	13.00	14.22	14.49
Commercial															
New England	14.12	14.20	13.45	13.69	14.21	15.31	15.56	15.65	16.02	14.82	14.40	15.22	13.97	14.92	15.43
Middle Atlantic	12.45	12.08	10.91	12.29	13.02	14.46	14.02	13.88	14.07	12.90	12.25	13.29	12.14	13.68	13.41
E. N. Central	10.67	11.12	10.86	10.14	10.54	13.09	13.53	12.10	12.19	11.70	11.95	11.61	10.66	11.72	11.93
W. N. Central	10.62	10.84	10.63	9.92	10.59	12.31	13.00	12.03	12.33	11.57	11.66	11.61	10.46	11.47	11.95
S. Atlantic	12.71	12.82	12.68	12.77	13.05	14.64	14.98	14.24	14.34	13.63	13.64	13.89	12.74	14.12	13.98
E. S. Central	12.00	12.53	12.88	12.60	12.40	14.65	14.98	14.20	14.00	13.28	13.09	13.44	12.34	13.60	13.62
W. S. Central	9.66	10.61	10.51	10.75	10.61	13.17	13.08	12.16	11.88	11.10	11.41	11.93	10.22	11.89	11.67
Mountain	9.67	10.03	10.64	9.25	9.52	10.52	11.99	11.70	11.68	10.93	11.28	11.03	9.72	10.59	11.31
Pacific	11.06	11.04	10.72	10.55	11.23	12.45	12.31	11.98	12.44	11.23	11.07	11.57	10.86	11.88	11.72
U.S. Average	11.37	11.59	11.23	10.99	11.37	13.13	13.63	12.88	13.03	12.18	12.16	12.38	11.31	12.43	12.59
Industrial															
New England	12.87	12.51	10.48	11.98	13.06	14.44	13.73	13.73	14.66	13.12	11.86	13.12	12.21	13.62	13.48
Middle Atlantic	11.64	10.83	9.74	10.90	12.43	13.32	12.40	12.13	12.93	11.22	10.57	11.75	10.94	12.48	11.81
E. N. Central	9.65	9.99	9.68	9.29	9.85	11.73	11.91	10.68	11.11	10.68	10.24	10.49	9.62	10.72	10.74
W. N. Central	8.85	8.07	6.94	7.78	9.12	10.29	9.97	9.52	10.14	8.95	8.53	9.23	7.95	9.68	9.26
S. Atlantic	9.38	9.40	8.74	9.35	10.53	12.61	11.36	10.68	11.22	10.30	9.92	10.49	9.24	11.17	10.51
E. S. Central	8.88	8.87	7.99	8.45	9.43	11.55	10.82	10.00	10.43	9.69	9.29	9.90	8.58	10.38	9.86
W. S. Central	6.99	7.61	6.21	6.80	8.12	10.90	9.47	8.57	8.93	8.24	7.99	8.40	6.89	9.26	8.38
Mountain	9.44	9.07	8.51	8.55	9.29	9.98	10.35	10.30	10.61	9.81	9.43	9.84	8.92	9.96	9.96
Pacific	9.00	8.12	7.54	8.68	9.74	10.82	9.72	9.60	10.11	8.77	8.32	9.04	8.34	9.91	9.08
U.S. Average	7.97	8.07	6.74	7.50	8.90	11.10	9.91	9.26	9.80	8.78	8.40	9.00	7.58	9.75	9.01

- = no data available

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to U.S. Census divisions.

 See "Census division" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

Historical data: Latest data available from Energy Information Administration databases supporting the *Natural Gas Monthly*, DOE/EIA-0130.

 Natural gas Henry Hub spot price from NGI's *Daily Gas Price Index* (<http://Intelligencepress.com>).

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 6. U.S. Coal Supply, Consumption, and Inventories
 Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Supply (million short tons)															
Production	286.0	285.7	286.0	288.9	289.1	286.5	<i>301.0</i>	<i>303.9</i>	<i>289.9</i>	<i>283.7</i>	<i>290.6</i>	<i>314.8</i>	1146.6	<i>1180.4</i>	<i>1178.9</i>
Appalachia	99.5	95.5	91.6	91.9	97.8	98.6	<i>97.4</i>	<i>96.6</i>	<i>98.0</i>	<i>96.8</i>	<i>94.1</i>	<i>100.0</i>	378.5	<i>390.3</i>	<i>388.9</i>
Interior	38.1	36.4	37.0	35.6	35.5	39.0	<i>38.3</i>	<i>37.4</i>	<i>35.6</i>	<i>37.0</i>	<i>37.0</i>	<i>38.8</i>	147.1	<i>150.2</i>	<i>148.3</i>
Western	148.4	153.8	157.4	161.4	155.8	148.9	<i>165.3</i>	<i>169.8</i>	<i>156.3</i>	<i>149.9</i>	<i>159.5</i>	<i>176.0</i>	621.0	<i>639.9</i>	<i>641.7</i>
Primary Inventory Withdrawals	2.5	1.5	2.4	-0.7	-1.7	1.1	<i>1.2</i>	<i>2.9</i>	<i>-1.6</i>	<i>-3.0</i>	<i>7.6</i>	<i>-0.3</i>	5.8	<i>3.4</i>	<i>2.6</i>
Imports	8.8	8.4	10.6	8.6	7.6	9.0	<i>8.8</i>	<i>8.7</i>	<i>7.9</i>	<i>9.1</i>	<i>9.1</i>	<i>8.9</i>	36.3	<i>34.1</i>	<i>35.0</i>
Exports	11.1	14.7	16.2	17.1	15.8	23.1	<i>23.3</i>	<i>23.6</i>	<i>15.5</i>	<i>22.3</i>	<i>24.5</i>	<i>24.2</i>	59.2	<i>85.7</i>	<i>86.5</i>
Metallurgical Coal	6.7	7.9	9.2	8.4	9.1	12.6	<i>13.1</i>	<i>11.3</i>	<i>9.0</i>	<i>13.7</i>	<i>13.8</i>	<i>12.1</i>	32.2	<i>46.0</i>	<i>48.5</i>
Steam Coal	4.4	6.8	7.0	8.7	6.7	10.5	<i>10.2</i>	<i>12.3</i>	<i>6.5</i>	<i>8.6</i>	<i>10.7</i>	<i>12.1</i>	27.0	<i>39.7</i>	<i>37.9</i>
Total Primary Supply	286.2	280.9	282.8	279.7	279.2	273.5	<i>287.6</i>	<i>291.9</i>	<i>280.7</i>	<i>267.5</i>	<i>282.7</i>	<i>299.2</i>	1129.6	<i>1132.2</i>	<i>1130.1</i>
Secondary Inventory Withdrawals	-0.8	-13.3	12.8	-7.0	5.5	-8.2	<i>13.8</i>	<i>-10.9</i>	<i>0.2</i>	<i>-5.0</i>	<i>17.0</i>	<i>-16.7</i>	-8.3	<i>0.3</i>	<i>-4.4</i>
Waste Coal (a)	3.2	3.4	3.8	3.7	3.7	3.7	<i>3.7</i>	<i>3.7</i>	<i>3.7</i>	<i>3.7</i>	<i>3.7</i>	<i>3.7</i>	14.1	<i>15.0</i>	<i>15.0</i>
Total Supply	288.7	271.0	299.3	276.4	288.5	269.0	<i>305.2</i>	<i>284.8</i>	<i>284.7</i>	<i>266.3</i>	<i>303.5</i>	<i>286.2</i>	1135.4	<i>1147.5</i>	<i>1140.6</i>
Consumption (million short tons)															
Coke Plants	5.6	5.7	5.7	5.7	5.5	5.9	<i>5.9</i>	<i>5.9</i>	<i>5.7</i>	<i>6.0</i>	<i>6.0</i>	<i>5.9</i>	22.7	<i>23.2</i>	<i>23.6</i>
Electric Power Sector (b)	257.4	247.1	284.3	257.6	262.9	248.8	<i>279.7</i>	<i>262.3</i>	<i>261.9</i>	<i>245.8</i>	<i>282.2</i>	<i>263.4</i>	1046.4	<i>1053.7</i>	<i>1053.2</i>
Retail and Other Industry	15.5	14.7	14.3	15.2	14.9	14.2	<i>15.0</i>	<i>16.6</i>	<i>17.1</i>	<i>14.5</i>	<i>15.3</i>	<i>16.9</i>	59.7	<i>60.7</i>	<i>63.8</i>
Residential and Commercial	1.0	0.6	0.6	1.0	1.0	0.7	<i>0.7</i>	<i>1.0</i>	<i>1.0</i>	<i>0.6</i>	<i>0.6</i>	<i>1.0</i>	3.2	<i>3.4</i>	<i>3.2</i>
Other Industrial	14.5	14.0	13.7	14.2	14.0	13.4	<i>14.3</i>	<i>15.6</i>	<i>16.2</i>	<i>13.9</i>	<i>14.7</i>	<i>15.9</i>	56.5	<i>57.3</i>	<i>60.6</i>
Total Consumption	278.5	267.5	304.3	278.5	283.3	268.9	<i>300.6</i>	<i>284.8</i>	<i>284.7</i>	<i>266.3</i>	<i>303.5</i>	<i>286.2</i>	1128.8	<i>1137.6</i>	<i>1140.6</i>
Discrepancy (c)	10.1	3.5	-5.0	-2.1	5.1	0.2	<i>4.6</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	6.6	<i>9.9</i>	<i>0.0</i>
End-of-period Inventories (million short tons)															
Primary Inventories (d)	34.0	32.5	30.1	30.8	32.5	31.4	<i>30.2</i>	<i>27.3</i>	<i>28.9</i>	<i>31.9</i>	<i>24.3</i>	<i>24.7</i>	30.8	<i>27.3</i>	<i>24.7</i>
Secondary Inventories (e)	151.2	164.4	151.7	158.7	153.2	161.4	<i>147.5</i>	<i>158.4</i>	<i>158.2</i>	<i>163.1</i>	<i>146.2</i>	<i>162.8</i>	158.7	<i>158.4</i>	<i>162.8</i>
Electric Power Sector	143.0	156.4	143.9	151.1	147.0	155.0	<i>140.9</i>	<i>151.5</i>	<i>151.5</i>	<i>156.3</i>	<i>139.0</i>	<i>155.5</i>	151.1	<i>151.5</i>	<i>155.5</i>
Retail and General Industry	5.8	5.7	5.8	5.6	4.8	4.8	<i>5.0</i>	<i>5.2</i>	<i>4.9</i>	<i>5.1</i>	<i>5.3</i>	<i>5.5</i>	5.6	<i>5.2</i>	<i>5.5</i>
Coke Plants	2.4	2.4	2.0	1.9	1.5	1.5	<i>1.6</i>	<i>1.8</i>	<i>1.7</i>	<i>1.8</i>	<i>1.9</i>	<i>1.9</i>	1.9	<i>1.8</i>	<i>1.9</i>
Coal Market Indicators															
Coal Miner Productivity (Tons per hour)	6.16	6.16	6.16	6.16	6.06	6.06	<i>6.06</i>	<i>6.06</i>	<i>6.00</i>	<i>6.00</i>	<i>6.00</i>	<i>6.00</i>	6.16	<i>6.06</i>	<i>6.00</i>
Total Raw Steel Production (Million short tons per day)	0.279	0.295	0.299	0.297	0.302	0.303	<i>0.305</i>	<i>0.295</i>	<i>0.304</i>	<i>0.311</i>	<i>0.308</i>	<i>0.292</i>	0.293	<i>0.301</i>	<i>0.304</i>
Cost of Coal to Electric Utilities (Dollars per million Btu)	1.76	1.78	1.78	1.79	1.91	1.98	<i>1.96</i>	<i>1.93</i>	<i>1.94</i>	<i>1.98</i>	<i>1.96</i>	<i>1.94</i>	1.78	<i>1.95</i>	<i>1.95</i>

- = no data available

(a) Waste coal includes waste coal and coal slurry reprocessed into briquettes.

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

(c) The discrepancy reflects an unaccounted-for shipper and receiver reporting difference, assumed to be zero in the forecast period.

(d) Primary stocks are held at the mines, generation plants, and distribution points.

(e) Secondary stocks are held by users. It includes an estimate of stocks held at utility plants sold to nonutility generators.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Quarterly Coal Report*, DOE/EIA-0121; and *Electric Power Monthly*, DOE/EIA-0226.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 7a. U.S. Electricity Industry Overview

Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Electricity Supply (billion kilowatthours per day)															
Electricity Generation	11.09	10.97	12.72	10.79	11.14	11.05	<i>12.65</i>	<i>10.90</i>	<i>11.16</i>	<i>11.13</i>	<i>12.83</i>	<i>10.97</i>	11.40	<i>11.44</i>	<i>11.53</i>
Electric Power Sector (a)	10.67	10.56	12.29	10.38	10.73	10.66	<i>12.21</i>	<i>10.47</i>	<i>10.73</i>	<i>10.71</i>	<i>12.39</i>	<i>10.55</i>	10.98	<i>11.02</i>	<i>11.10</i>
Industrial Sector	0.40	0.39	0.41	0.39	0.38	0.37	<i>0.42</i>	<i>0.40</i>	<i>0.41</i>	<i>0.39</i>	<i>0.42</i>	<i>0.40</i>	0.40	<i>0.39</i>	<i>0.41</i>
Commercial Sector	0.02	0.02	0.02	0.02	0.02	0.02	<i>0.03</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.03</i>	<i>0.02</i>	0.02	<i>0.02</i>	<i>0.02</i>
Net Imports	0.07	0.11	0.09	0.07	0.09	0.08	<i>0.10</i>	<i>0.07</i>	<i>0.08</i>	<i>0.08</i>	<i>0.09</i>	<i>0.05</i>	0.09	<i>0.09</i>	<i>0.07</i>
Total Supply	11.16	11.08	12.81	10.86	11.23	11.13	<i>12.75</i>	<i>10.97</i>	<i>11.24</i>	<i>11.21</i>	<i>12.93</i>	<i>11.03</i>	11.48	<i>11.52</i>	<i>11.60</i>
Losses and Unaccounted for (b) ...	0.71	0.95	0.90	0.72	0.64	0.92	<i>0.81</i>	<i>0.74</i>	<i>0.64</i>	<i>0.95</i>	<i>0.86</i>	<i>0.77</i>	0.82	<i>0.77</i>	<i>0.81</i>
Electricity Consumption (billion kilowatthours per day)															
Retail Sales	10.06	9.74	11.51	9.76	10.21	9.84	<i>11.53</i>	<i>9.83</i>	<i>10.19</i>	<i>9.86</i>	<i>11.65</i>	<i>9.86</i>	10.27	<i>10.36</i>	<i>10.39</i>
Residential Sector	3.92	3.34	4.55	3.45	3.96	3.34	<i>4.50</i>	<i>3.49</i>	<i>3.92</i>	<i>3.35</i>	<i>4.54</i>	<i>3.47</i>	3.81	<i>3.82</i>	<i>3.82</i>
Commercial Sector	3.47	3.61	4.09	3.54	3.50	3.67	<i>4.12</i>	<i>3.56</i>	<i>3.53</i>	<i>3.66</i>	<i>4.18</i>	<i>3.61</i>	3.68	<i>3.71</i>	<i>3.75</i>
Industrial Sector	2.65	2.77	2.86	2.74	2.73	2.82	<i>2.89</i>	<i>2.76</i>	<i>2.72</i>	<i>2.83</i>	<i>2.90</i>	<i>2.76</i>	2.76	<i>2.80</i>	<i>2.80</i>
Transportation Sector	0.02	0.02	0.02	0.02	0.02	0.02	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	0.02	<i>0.02</i>	<i>0.02</i>
Direct Use (c)	0.39	0.39	0.41	0.39	0.38	0.37	<i>0.41</i>	<i>0.40</i>	<i>0.40</i>	<i>0.39</i>	<i>0.42</i>	<i>0.40</i>	0.39	<i>0.39</i>	<i>0.40</i>
Total Consumption	10.45	10.12	11.92	10.14	10.60	10.22	<i>11.94</i>	<i>10.23</i>	<i>10.59</i>	<i>10.25</i>	<i>12.07</i>	<i>10.26</i>	10.66	<i>10.75</i>	<i>10.80</i>
Prices															
Power Generation Fuel Costs (dollars per million Btu)															
Coal	1.76	1.78	1.78	1.79	1.91	1.98	<i>1.96</i>	<i>1.93</i>	<i>1.94</i>	<i>1.98</i>	<i>1.96</i>	<i>1.94</i>	1.78	<i>1.95</i>	<i>1.95</i>
Natural Gas	7.35	7.62	6.55	7.18	8.67	10.92	<i>9.36</i>	<i>8.55</i>	<i>9.11</i>	<i>8.31</i>	<i>7.94</i>	<i>8.51</i>	7.09	<i>9.41</i>	<i>8.38</i>
Residual Fuel Oil	7.18	8.36	8.53	10.71	13.34	13.73	<i>15.71</i>	<i>15.17</i>	<i>15.36</i>	<i>15.47</i>	<i>15.25</i>	<i>15.06</i>	8.40	<i>14.66</i>	<i>15.28</i>
Distillate Fuel Oil	12.44	14.48	14.75	18.96	18.89	24.25	<i>24.86</i>	<i>23.85</i>	<i>24.83</i>	<i>25.58</i>	<i>24.85</i>	<i>24.25</i>	15.17	<i>22.97</i>	<i>24.87</i>
End-Use Prices (cents per kilowatthour)															
Residential Sector	10.0	10.9	11.0	10.6	10.3	11.4	<i>11.8</i>	<i>11.4</i>	<i>11.2</i>	<i>12.5</i>	<i>13.0</i>	<i>12.5</i>	10.6	<i>11.2</i>	<i>12.3</i>
Commercial Sector	9.3	9.7	10.0	9.6	9.6	10.2	<i>10.8</i>	<i>10.3</i>	<i>10.3</i>	<i>11.1</i>	<i>11.9</i>	<i>11.5</i>	9.7	<i>10.2</i>	<i>11.2</i>
Industrial Sector	6.1	6.3	6.7	6.3	6.4	6.9	<i>7.2</i>	<i>6.8</i>	<i>6.7</i>	<i>7.3</i>	<i>7.9</i>	<i>7.5</i>	6.4	<i>6.8</i>	<i>7.4</i>

- = no data available

(a) Electric utilities and independent power producers.

(b) Includes transmission and distribution losses, data collection time-frame differences, and estimation error.

 (c) Direct Use represents commercial and industrial facility use of onsite net electricity generation; and electrical sales or transfers to adjacent or collocated facilities for which revenue information is not available. See Table 7.6 of the EIA *Monthly Energy Review*.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226; and *Electric Power Annual*, DOE/EIA-0348.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 7b. U.S. Regional Electricity Retail Sales (Million Kilowatthours per Day)

Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Residential Sector															
New England	142	115	140	127	140	113	143	128	141	114	140	125	131	131	130
Middle Atlantic	389	330	416	344	387	318	417	346	388	315	418	336	370	367	364
E. N. Central	564	467	613	493	575	444	595	499	566	449	602	488	534	528	526
W. N. Central	300	245	344	258	316	234	327	261	297	242	337	258	287	284	284
S. Atlantic	966	843	1,171	856	949	839	1,128	863	980	835	1,141	854	959	945	953
E. S. Central	348	286	418	285	354	280	396	287	354	284	406	289	334	329	333
W. S. Central	505	462	684	463	528	503	725	462	493	500	726	469	529	555	547
Mountain	243	234	336	225	249	228	334	236	249	242	341	242	260	262	269
Pacific contiguous	442	346	411	381	447	363	417	396	440	356	416	392	395	406	401
AK and HI	16	14	14	15	16	14	14	15	16	14	14	15	15	15	15
Total	3,916	3,341	4,548	3,446	3,960	3,335	4,495	3,495	3,923	3,352	4,541	3,467	3,813	3,822	3,822
Commercial Sector															
New England	151	150	166	151	154	152	168	152	158	153	172	153	155	156	159
Middle Atlantic	454	443	499	446	452	440	511	454	467	452	518	452	461	465	472
E. N. Central	503	513	563	500	501	538	562	494	513	515	574	506	520	524	527
W. N. Central	256	261	300	258	261	260	295	253	250	254	291	254	269	267	262
S. Atlantic	778	829	944	812	781	832	939	820	807	861	986	842	841	843	875
E. S. Central	215	231	271	220	217	228	266	218	215	229	268	221	234	232	233
W. S. Central	421	453	526	436	432	483	557	445	431	485	570	465	459	479	488
Mountain	236	256	292	248	239	257	291	244	230	251	284	244	258	258	252
Pacific contiguous	442	454	506	456	445	459	512	458	437	447	503	460	464	469	462
AK and HI	18	17	18	17	17	17	18	18	17	17	18	18	17	17	18
Total	3,472	3,606	4,086	3,544	3,500	3,666	4,118	3,556	3,525	3,664	4,184	3,615	3,679	3,711	3,748
Industrial Sector															
New England	61	64	64	63	60	64	66	62	62	63	66	63	63	63	64
Middle Atlantic	195	202	208	204	198	203	211	200	196	200	207	196	203	203	200
E. N. Central	578	595	598	575	580	570	599	578	581	599	603	580	586	582	590
W. N. Central	225	235	248	239	230	238	252	240	229	240	252	240	237	240	240
S. Atlantic	416	438	443	423	410	435	445	422	409	432	440	415	430	428	424
E. S. Central	351	354	360	376	370	367	363	374	372	376	371	380	360	369	375
W. S. Central	407	428	450	429	458	480	470	445	438	457	471	443	428	463	452
Mountain	192	217	228	203	200	219	231	207	203	223	238	212	210	214	219
Pacific contiguous	210	224	242	218	213	229	243	220	214	223	240	216	224	226	224
AK and HI	14	14	15	14	14	14	15	15	14	14	15	15	14	14	15
Total	2,650	2,770	2,855	2,745	2,732	2,820	2,894	2,763	2,718	2,827	2,903	2,759	2,756	2,802	2,802
Total All Sectors (a)															
New England	356	330	371	343	355	330	378	344	363	332	380	342	350	352	354
Middle Atlantic	1,051	986	1,134	1,005	1,048	972	1,151	1,011	1,062	978	1,155	994	1,044	1,046	1,047
E. N. Central	1,648	1,576	1,776	1,569	1,658	1,553	1,757	1,573	1,662	1,564	1,780	1,575	1,642	1,635	1,645
W. N. Central	782	740	893	755	807	732	873	755	776	736	880	752	792	792	786
S. Atlantic	2,164	2,114	2,562	2,095	2,144	2,109	2,515	2,108	2,200	2,132	2,570	2,115	2,234	2,220	2,255
E. S. Central	914	871	1,049	881	941	875	1,025	879	941	889	1,045	890	929	930	941
W. S. Central	1,333	1,343	1,660	1,328	1,418	1,467	1,752	1,352	1,362	1,443	1,767	1,377	1,417	1,498	1,488
Mountain	671	706	857	677	688	704	856	687	682	716	863	697	728	734	740
Pacific contiguous	1,096	1,026	1,162	1,057	1,107	1,054	1,175	1,077	1,093	1,029	1,162	1,071	1,085	1,103	1,089
AK and HI	47	45	46	47	47	45	47	47	47	45	47	48	46	47	47
Total	10,061	9,738	11,511	9,756	10,214	9,842	11,529	9,833	10,188	9,863	11,649	9,860	10,269	10,356	10,393

- = no data available

(a) Total retail sales to all sectors includes residential, commercial, industrial, and transportation sector sales.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Retail Sales represents total retail electricity sales by electric utilities and power marketers.

Regions refer to U.S. Census divisions.

See "Census division" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.**Historical data:** Latest data available from Energy Information Administration databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226; and *Electric Power Annual*, DOE/EIA-0348.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 7c. U.S. Regional Electricity Prices (Cents per Kilowatthour)
 Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Residential Sector															
New England	16.7	16.7	16.3	16.1	16.6	17.6	18.1	18.2	18.0	18.5	19.0	19.3	16.5	17.6	18.7
Middle Atlantic	12.9	14.3	14.9	13.9	13.7	15.0	15.7	15.0	15.1	16.5	17.4	16.4	14.0	14.9	16.4
E. N. Central	9.1	10.1	10.1	9.8	9.5	10.6	10.7	10.2	10.2	11.6	11.8	11.3	9.8	10.2	11.2
W. N. Central	7.4	8.6	8.9	7.9	7.6	9.0	9.4	8.4	8.2	9.8	10.3	9.1	8.2	8.6	9.4
S. Atlantic	9.3	10.1	10.4	10.1	9.9	10.6	11.2	10.8	10.9	12.0	12.4	11.9	10.0	10.6	11.8
E. S. Central	7.8	8.5	8.4	8.5	8.2	9.1	9.0	9.0	8.8	9.9	9.8	9.8	8.3	8.8	9.6
W. S. Central	10.8	11.5	11.4	11.0	10.5	11.9	12.5	11.9	10.9	12.9	13.8	13.2	11.2	11.8	12.8
Mountain	8.5	9.5	9.8	9.1	8.9	10.1	10.4	9.7	9.7	10.8	11.2	10.4	9.3	9.8	10.6
Pacific	11.1	11.8	12.9	11.3	11.3	11.8	13.4	12.3	12.3	13.3	14.7	13.4	11.8	12.2	13.4
U.S. Average	10.0	10.8	11.0	10.6	10.3	11.4	11.8	11.4	11.2	12.5	13.0	12.5	10.6	11.2	12.3
Commercial Sector															
New England	14.9	14.5	14.9	14.2	14.7	15.2	16.1	15.4	15.0	16.3	17.7	17.3	14.6	15.3	16.6
Middle Atlantic	12.3	13.1	14.1	13.0	12.9	14.1	15.6	14.0	14.1	15.5	17.4	16.0	13.1	14.2	15.8
E. N. Central	8.3	8.8	8.7	8.7	8.8	9.1	9.5	9.4	9.3	10.0	10.5	10.4	8.6	9.2	10.1
W. N. Central	6.2	6.9	7.3	6.4	6.4	7.2	7.8	6.8	7.1	8.0	8.6	7.5	6.7	7.1	7.8
S. Atlantic	8.5	8.6	8.8	8.7	8.8	9.1	9.4	9.5	9.4	9.9	10.3	10.4	8.6	9.2	10.0
E. S. Central	7.8	8.1	8.0	8.1	8.2	8.6	8.7	8.9	9.1	9.6	9.7	10.0	8.0	8.6	9.6
W. S. Central	9.2	9.4	9.5	9.4	9.4	10.0	10.0	9.8	9.7	10.5	10.9	10.8	9.4	9.8	10.5
Mountain	7.4	7.8	7.9	7.8	7.7	8.5	8.5	8.4	8.4	9.1	9.3	9.2	7.7	8.3	9.0
Pacific	10.1	11.1	12.4	10.8	10.0	11.1	12.9	11.3	11.0	12.1	14.1	12.5	11.2	11.4	12.5
U.S. Average	9.3	9.7	10.0	9.6	9.6	10.2	10.8	10.3	10.3	11.1	11.9	11.5	9.7	10.2	11.2
Industrial Sector															
New England	12.7	12.2	12.3	12.7	12.8	13.3	14.0	13.2	13.3	14.8	15.7	15.0	12.5	13.3	14.7
Middle Atlantic	7.8	8.1	8.4	7.9	8.0	8.4	8.9	8.5	8.8	9.1	10.0	9.8	8.1	8.4	9.4
E. N. Central	5.8	5.7	6.0	5.7	5.9	6.3	6.4	6.2	6.2	6.9	7.1	6.8	5.8	6.2	6.8
W. N. Central	4.8	5.2	5.5	4.8	4.9	5.4	5.9	5.2	5.3	5.9	6.5	5.7	5.1	5.4	5.9
S. Atlantic	5.3	5.5	6.1	5.7	5.8	6.0	6.4	6.1	6.2	6.4	7.0	6.7	5.6	6.1	6.6
E. S. Central	4.8	5.2	5.4	5.1	5.0	5.6	6.1	5.5	5.4	6.2	6.8	6.1	5.1	5.5	6.1
W. S. Central	7.0	7.1	7.1	7.0	7.3	8.0	7.9	7.5	7.2	7.9	8.4	8.3	7.1	7.7	8.0
Mountain	5.4	5.6	6.2	5.6	5.6	6.1	6.6	6.0	6.0	6.6	7.1	6.5	5.7	6.1	6.6
Pacific	7.4	7.7	8.5	7.9	7.5	7.9	9.0	8.3	8.0	8.6	9.7	8.9	7.9	8.2	8.8
U.S. Average	6.1	6.3	6.7	6.3	6.4	6.9	7.2	6.8	6.7	7.3	7.9	7.5	6.4	6.8	7.4
All Sectors (a)															
New England	15.3	14.8	15.0	14.6	15.1	15.6	16.5	16.0	15.8	16.8	17.8	17.6	14.9	15.8	17.0
Middle Atlantic	11.7	12.5	13.3	12.2	12.2	13.2	14.4	13.3	13.5	14.5	16.0	14.9	12.5	13.3	14.7
E. N. Central	7.7	8.0	8.3	7.9	8.0	8.5	8.9	8.5	8.5	9.3	9.8	9.4	8.0	8.5	9.2
W. N. Central	6.2	6.9	7.4	6.4	6.4	7.2	7.8	6.8	7.0	7.9	8.6	7.5	6.8	7.1	7.8
S. Atlantic	8.3	8.5	9.1	8.6	8.7	9.0	9.7	9.3	9.5	10.0	10.7	10.3	8.6	9.2	10.2
E. S. Central	6.6	7.0	7.3	6.9	6.9	7.5	7.9	7.5	7.5	8.2	8.7	8.3	7.0	7.5	8.2
W. S. Central	9.2	9.4	9.6	9.2	9.1	10.0	10.5	9.8	9.3	10.5	11.4	10.8	9.4	9.9	10.6
Mountain	7.2	7.7	8.2	7.6	7.5	8.2	8.7	8.2	8.1	8.9	9.4	8.8	7.7	8.2	8.9
Pacific	10.0	10.6	11.8	10.4	10.0	10.7	12.3	11.0	10.9	11.8	13.4	12.1	10.7	11.0	12.1
U.S. Average	8.7	9.1	9.6	9.0	9.0	9.6	10.3	9.7	9.7	10.5	11.3	10.7	9.1	9.7	10.6

- = no data available

(a) Volume-weighted average of retail prices to residential, commercial, industrial, and transportation sectors.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to U.S. Census divisions.

See "Census division" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226; and *Electric Power Annual*, DOE/EIA-0348.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 7d. U.S. Electricity Generation by Fuel and Sector (Billion Kilowatthours per day)

Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Electric Power Sector (a)															
Coal	5.498	5.206	5.882	5.353	5.561	5.236	<i>5.775</i>	<i>5.418</i>	<i>5.527</i>	<i>5.120</i>	<i>5.787</i>	<i>5.410</i>	5.485	<i>5.498</i>	<i>5.461</i>
Natural Gas	1.722	2.084	3.092	2.009	1.899	2.128	<i>3.116</i>	<i>1.973</i>	<i>1.856</i>	<i>2.259</i>	<i>3.267</i>	<i>2.027</i>	2.230	<i>2.280</i>	<i>2.355</i>
Other Gases	0.011	0.010	0.011	0.010	0.016	0.014	<i>0.012</i>	<i>0.010</i>	<i>0.011</i>	<i>0.011</i>	<i>0.012</i>	<i>0.010</i>	0.011	<i>0.013</i>	<i>0.011</i>
Petroleum	0.212	0.160	0.183	0.119	0.115	0.123	<i>0.148</i>	<i>0.111</i>	<i>0.103</i>	<i>0.094</i>	<i>0.114</i>	<i>0.095</i>	0.168	<i>0.124</i>	<i>0.102</i>
Residual Fuel Oil	0.136	0.098	0.117	0.064	0.053	0.066	<i>0.094</i>	<i>0.062</i>	<i>0.052</i>	<i>0.049</i>	<i>0.061</i>	<i>0.047</i>	0.104	<i>0.069</i>	<i>0.052</i>
Distillate Fuel Oil	0.029	0.018	0.023	0.017	0.022	0.019	<i>0.017</i>	<i>0.015</i>	<i>0.017</i>	<i>0.014</i>	<i>0.015</i>	<i>0.015</i>	0.022	<i>0.018</i>	<i>0.015</i>
Petroleum Coke	0.040	0.040	0.039	0.035	0.035	0.034	<i>0.034</i>	<i>0.030</i>	<i>0.027</i>	<i>0.029</i>	<i>0.035</i>	<i>0.030</i>	0.038	<i>0.033</i>	<i>0.030</i>
Other Petroleum	0.006	0.004	0.005	0.003	0.004	0.004	<i>0.003</i>	<i>0.003</i>	<i>0.006</i>	<i>0.003</i>	<i>0.003</i>	<i>0.003</i>	0.004	<i>0.004</i>	<i>0.004</i>
Nuclear	2.262	2.102	2.316	2.159	2.201	2.101	<i>2.278</i>	<i>2.133</i>	<i>2.235</i>	<i>2.164</i>	<i>2.303</i>	<i>2.138</i>	2.210	<i>2.179</i>	<i>2.210</i>
Pumped Storage Hydroelectric	-0.016	-0.016	-0.022	-0.023	-0.018	-0.009	<i>-0.016</i>	<i>-0.017</i>	<i>-0.015</i>	<i>-0.014</i>	<i>-0.016</i>	<i>-0.016</i>	-0.019	<i>-0.015</i>	<i>-0.015</i>
Other Fuels (b)	0.019	0.020	0.020	0.019	0.019	0.026	<i>0.026</i>	<i>0.022</i>	<i>0.023</i>	<i>0.022</i>	<i>0.025</i>	<i>0.022</i>	0.020	<i>0.023</i>	<i>0.023</i>
Renewables:															
Conventional Hydroelectric	0.761	0.791	0.618	0.529	0.710	0.773	<i>0.633</i>	<i>0.576</i>	<i>0.715</i>	<i>0.774</i>	<i>0.648</i>	<i>0.593</i>	0.674	<i>0.673</i>	<i>0.682</i>
Geothermal	0.041	0.039	0.041	0.041	0.038	0.041	<i>0.042</i>	<i>0.042</i>	<i>0.043</i>	<i>0.042</i>	<i>0.043</i>	<i>0.043</i>	0.041	<i>0.041</i>	<i>0.043</i>
Solar	0.001	0.002	0.002	0.001	0.001	0.003	<i>0.003</i>	<i>0.001</i>	<i>0.001</i>	<i>0.003</i>	<i>0.003</i>	<i>0.001</i>	0.002	<i>0.002</i>	<i>0.002</i>
Wind	0.090	0.093	0.076	0.094	0.122	0.150	<i>0.113</i>	<i>0.129</i>	<i>0.158</i>	<i>0.165</i>	<i>0.124</i>	<i>0.151</i>	0.088	<i>0.128</i>	<i>0.149</i>
Wood and Wood Waste	0.030	0.026	0.029	0.028	0.030	0.028	<i>0.032</i>	<i>0.030</i>	<i>0.031</i>	<i>0.028</i>	<i>0.032</i>	<i>0.030</i>	0.028	<i>0.030</i>	<i>0.030</i>
Other Renewables	0.041	0.039	0.041	0.039	0.038	0.043	<i>0.045</i>	<i>0.043</i>	<i>0.043</i>	<i>0.044</i>	<i>0.046</i>	<i>0.044</i>	0.040	<i>0.042</i>	<i>0.044</i>
Subtotal Electric Power Sector	10.670	10.558	12.290	10.378	10.733	10.656	<i>12.206</i>	<i>10.472</i>	<i>10.731</i>	<i>10.712</i>	<i>12.385</i>	<i>10.549</i>	10.977	<i>11.018</i>	<i>11.097</i>
Commercial Sector (c)															
Coal	0.004	0.003	0.004	0.004	0.005	0.004	<i>0.004</i>	<i>0.003</i>	<i>0.004</i>	<i>0.003</i>	<i>0.004</i>	<i>0.004</i>	0.004	<i>0.004</i>	<i>0.004</i>
Natural Gas	0.012	0.012	0.013	0.012	0.013	0.012	<i>0.014</i>	<i>0.012</i>	<i>0.013</i>	<i>0.012</i>	<i>0.014</i>	<i>0.012</i>	0.012	<i>0.013</i>	<i>0.013</i>
Petroleum	0.001	0.000	0.000	0.000	0.000	0.000	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	0.001	<i>0.000</i>	<i>0.000</i>
Other Fuels (b)	0.002	0.002	0.002	0.002	0.002	0.002	<i>0.002</i>	<i>0.002</i>	<i>0.002</i>	<i>0.002</i>	<i>0.002</i>	<i>0.002</i>	0.002	<i>0.002</i>	<i>0.002</i>
Renewables (d)	0.004	0.004	0.005	0.005	0.004	0.005	<i>0.005</i>	<i>0.005</i>	<i>0.004</i>	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	0.004	<i>0.005</i>	<i>0.004</i>
Subtotal Commercial Sector	0.023	0.023	0.024	0.023	0.024	0.024	<i>0.025</i>	<i>0.023</i>	<i>0.023</i>	<i>0.023</i>	<i>0.025</i>	<i>0.023</i>	0.023	<i>0.024</i>	<i>0.024</i>
Industrial Sector (c)															
Coal	0.048	0.047	0.049	0.045	0.046	0.049	<i>0.055</i>	<i>0.051</i>	<i>0.051</i>	<i>0.048</i>	<i>0.051</i>	<i>0.049</i>	0.047	<i>0.050</i>	<i>0.050</i>
Natural Gas	0.201	0.194	0.216	0.209	0.208	0.188	<i>0.214</i>	<i>0.212</i>	<i>0.217</i>	<i>0.201</i>	<i>0.221</i>	<i>0.211</i>	0.205	<i>0.206</i>	<i>0.213</i>
Other Gases	0.032	0.034	0.032	0.028	0.028	0.033	<i>0.033</i>	<i>0.029</i>	<i>0.030</i>	<i>0.035</i>	<i>0.033</i>	<i>0.029</i>	0.032	<i>0.031</i>	<i>0.032</i>
Petroleum	0.013	0.012	0.010	0.010	0.008	0.009	<i>0.010</i>	<i>0.010</i>	<i>0.010</i>	<i>0.011</i>	<i>0.011</i>	<i>0.011</i>	0.011	<i>0.009</i>	<i>0.010</i>
Other Fuels (b)	0.016	0.017	0.016	0.016	0.009	0.014	<i>0.017</i>	<i>0.016</i>	<i>0.010</i>	<i>0.015</i>	<i>0.017</i>	<i>0.016</i>	0.016	<i>0.014</i>	<i>0.014</i>
Renewables:															
Conventional Hydroelectric	0.009	0.007	0.005	0.004	0.009	0.007	<i>0.005</i>	<i>0.004</i>	<i>0.010</i>	<i>0.007</i>	<i>0.005</i>	<i>0.004</i>	0.006	<i>0.006</i>	<i>0.007</i>
Wood and Wood Waste	0.075	0.076	0.079	0.078	0.075	0.073	<i>0.080</i>	<i>0.081</i>	<i>0.079</i>	<i>0.077</i>	<i>0.081</i>	<i>0.080</i>	0.077	<i>0.077</i>	<i>0.079</i>
Other Renewables (e)	0.002	0.002	0.002	0.002	0.002	0.002	<i>0.002</i>	<i>0.002</i>	<i>0.002</i>	<i>0.002</i>	<i>0.002</i>	<i>0.002</i>	0.002	<i>0.002</i>	<i>0.002</i>
Subtotal Industrial Sector	0.395	0.388	0.409	0.391	0.385	0.374	<i>0.415</i>	<i>0.405</i>	<i>0.408</i>	<i>0.395</i>	<i>0.422</i>	<i>0.402</i>	0.396	<i>0.395</i>	<i>0.407</i>
Total All Sectors	11.089	10.968	12.723	10.792	11.142	11.054	<i>12.646</i>	<i>10.899</i>	<i>11.163</i>	<i>11.129</i>	<i>12.832</i>	<i>10.974</i>	11.396	<i>11.437</i>	<i>11.528</i>

- = no data available

(a) Electric utilities and independent power producers.

(b) "Other" includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires and miscellaneous technologies.

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

(d) "Renewables" in commercial sector includes wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy and wind.

(e) "Other Renewables" in industrial sector includes black liquor, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy and wind.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Values of 0.000 may indicate positive levels of generation that are less than 0.0005 billion kilowatthours per day.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226; and *Electric Power Annual*, DOE/EIA-0348.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 7e. U.S. Fuel Consumption for Electricity Generation by Sector
 Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Electric Power Sector (a)															
Coal (mmst/d)	2.86	2.71	3.09	2.80	2.88	2.72	<i>3.03</i>	<i>2.84</i>	<i>2.90</i>	<i>2.70</i>	<i>3.06</i>	<i>2.86</i>	2.86	<i>2.87</i>	<i>2.88</i>
Natural Gas (bcf/d)	13.97	17.20	25.92	16.50	14.78	17.34	<i>25.70</i>	<i>15.99</i>	<i>15.17</i>	<i>18.91</i>	<i>27.55</i>	<i>16.69</i>	18.43	<i>18.47</i>	<i>19.61</i>
Petroleum (mmb/d) (b)	0.37	0.29	0.33	0.22	0.21	0.23	<i>0.27</i>	<i>0.20</i>	<i>0.19</i>	<i>0.17</i>	<i>0.21</i>	<i>0.18</i>	0.30	<i>0.23</i>	<i>0.19</i>
Residual Fuel Oil (mmb/d)	0.23	0.16	0.20	0.11	0.09	0.11	<i>0.16</i>	<i>0.11</i>	<i>0.09</i>	<i>0.08</i>	<i>0.11</i>	<i>0.08</i>	0.17	<i>0.12</i>	<i>0.09</i>
Distillate Fuel Oil (mmb/d)	0.06	0.04	0.05	0.03	0.04	0.04	<i>0.03</i>	<i>0.03</i>	<i>0.03</i>	<i>0.03</i>	<i>0.03</i>	<i>0.03</i>	0.04	<i>0.03</i>	<i>0.03</i>
Petroleum Coke (mmst/d)	0.08	0.08	0.08	0.07	0.07	0.05	<i>0.07</i>	<i>0.06</i>	<i>0.05</i>	<i>0.06</i>	<i>0.07</i>	<i>0.06</i>	0.08	<i>0.06</i>	<i>0.06</i>
Other Petroleum (mmb/d)	0.01	0.01	0.01	0.01	0.01	0.01	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	0.01	<i>0.01</i>	<i>0.01</i>
Commercial Sector (c)															
Coal (mmst/d)	0.00	0.00	0.00	0.00	0.00	0.00	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	0.00	<i>0.00</i>	<i>0.00</i>
Natural Gas (bcf/d)	0.13	0.13	0.15	0.13	0.11	0.12	<i>0.15</i>	<i>0.13</i>	<i>0.15</i>	<i>0.13</i>	<i>0.15</i>	<i>0.14</i>	0.14	<i>0.13</i>	<i>0.14</i>
Petroleum (mmb/d) (b)	0.00	0.00	0.00	0.00	0.00	0.00	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	0.00	<i>0.00</i>	<i>0.00</i>
Industrial Sector (c)															
Coal (mmst/d)	0.02	0.02	0.02	0.02	0.02	0.02	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	0.02	<i>0.02</i>	<i>0.02</i>
Natural Gas (bcf/d)	1.97	1.90	2.12	2.03	1.59	1.71	<i>2.11</i>	<i>2.09</i>	<i>2.16</i>	<i>1.99</i>	<i>2.18</i>	<i>2.08</i>	2.01	<i>1.88</i>	<i>2.10</i>
Petroleum (mmb/d) (b)	0.02	0.02	0.02	0.02	0.01	0.02	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	0.02	<i>0.02</i>	<i>0.02</i>
Total All Sectors															
Coal (mmst/d)	2.88	2.73	3.11	2.82	2.90	2.75	<i>3.06</i>	<i>2.87</i>	<i>2.93</i>	<i>2.72</i>	<i>3.09</i>	<i>2.88</i>	2.89	<i>2.89</i>	<i>2.91</i>
Natural Gas (bcf/d)	16.07	19.24	28.18	18.67	16.49	19.17	<i>27.96</i>	<i>18.21</i>	<i>17.49</i>	<i>21.03</i>	<i>29.89</i>	<i>18.91</i>	20.57	<i>20.47</i>	<i>21.85</i>
Petroleum (mmb/d) (b)	0.40	0.31	0.35	0.24	0.22	0.25	<i>0.29</i>	<i>0.22</i>	<i>0.21</i>	<i>0.19</i>	<i>0.23</i>	<i>0.20</i>	0.32	<i>0.24</i>	<i>0.21</i>
End-of-period Fuel Inventories Held by Electric Power Sector															
Coal (mmst)	143.0	156.4	143.9	151.1	147.0	155.0	<i>140.9</i>	<i>151.5</i>	<i>151.5</i>	<i>156.3</i>	<i>139.0</i>	<i>155.5</i>	151.1	<i>151.5</i>	<i>155.5</i>
Residual Fuel Oil (mmb)	23.1	26.2	25.0	24.1	22.9	24.9	<i>23.2</i>	<i>24.8</i>	<i>23.0</i>	<i>23.9</i>	<i>21.2</i>	<i>22.4</i>	24.1	<i>24.8</i>	<i>22.4</i>
Distillate Fuel Oil (mmb)	16.9	16.9	17.2	17.6	16.9	16.8	<i>16.9</i>	<i>17.4</i>	<i>16.8</i>	<i>16.7</i>	<i>16.8</i>	<i>17.3</i>	17.6	<i>17.4</i>	<i>17.3</i>
Petroleum Coke (mmb)	3.2	2.8	2.7	2.7	3.4	2.4	<i>3.0</i>	<i>2.6</i>	<i>2.5</i>	<i>2.4</i>	<i>2.7</i>	<i>2.6</i>	2.7	<i>2.6</i>	<i>2.6</i>

- = no data available

(a) Electric utilities and independent power producers.

(b) Petroleum category may include petroleum coke, which is converted from short tons to barrels by multiplying by 5.

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

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Physical Units: mmst/d = million short tons per day; mmb/d = million barrels per day; bcf/d = billion cubic feet per day; mmb = million barrels.

Values of 0.00 may indicate positive levels of fuel consumption that are less than 0.005 units per day.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226; and *Electric Power Annual*, DOE/EIA-0348.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 8. U.S. Renewable Energy Supply and Consumption (Quadrillion Btu)

Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Supply															
Hydroelectric Power (a)	0.693	0.726	0.573	0.490	0.654	0.711	<i>0.588</i>	<i>0.535</i>	<i>0.654</i>	<i>0.712</i>	<i>0.602</i>	<i>0.551</i>	2.481	2.489	2.520
Geothermal	0.088	0.085	0.089	0.089	0.084	0.089	<i>0.092</i>	<i>0.092</i>	<i>0.094</i>	<i>0.091</i>	<i>0.095</i>	<i>0.094</i>	0.352	0.357	0.375
Solar	0.018	0.020	0.020	0.018	0.020	0.022	<i>0.021</i>	<i>0.020</i>	<i>0.021</i>	<i>0.023</i>	<i>0.023</i>	<i>0.021</i>	0.076	0.083	0.088
Wind	0.081	0.085	0.070	0.086	0.111	0.137	<i>0.104</i>	<i>0.119</i>	<i>0.143</i>	<i>0.151</i>	<i>0.114</i>	<i>0.139</i>	0.322	0.471	0.547
Wood	0.509	0.499	0.540	0.600	0.474	0.512	<i>0.561</i>	<i>0.558</i>	<i>0.531</i>	<i>0.527</i>	<i>0.560</i>	<i>0.554</i>	2.148	2.105	2.172
Biofuels and Biomass	0.121	0.130	0.142	0.156	0.171	0.187	<i>0.196</i>	<i>0.206</i>	<i>0.205</i>	<i>0.212</i>	<i>0.216</i>	<i>0.219</i>	0.549	0.759	0.852
Other Renewables	0.105	0.099	0.109	0.110	0.087	0.098	<i>0.110</i>	<i>0.104</i>	<i>0.102</i>	<i>0.104</i>	<i>0.110</i>	<i>0.105</i>	0.422	0.398	0.419
Total	1.631	1.660	1.558	1.565	1.618	1.775	<i>1.689</i>	<i>1.650</i>	<i>1.767</i>	<i>1.837</i>	<i>1.736</i>	<i>1.699</i>	6.414	6.733	7.039
Consumption															
Electric Power Sector															
Hydroelectric Power (a)	0.686	0.722	0.570	0.488	0.648	0.705	<i>0.584</i>	<i>0.531</i>	<i>0.645</i>	<i>0.706</i>	<i>0.597</i>	<i>0.547</i>	2.465	2.468	2.495
Geothermal	0.078	0.075	0.079	0.079	0.073	0.078	<i>0.081</i>	<i>0.081</i>	<i>0.082</i>	<i>0.079</i>	<i>0.083</i>	<i>0.082</i>	0.312	0.313	0.327
Solar	0.001	0.002	0.002	0.001	0.001	0.003	<i>0.002</i>	<i>0.001</i>	<i>0.001</i>	<i>0.003</i>	<i>0.002</i>	<i>0.001</i>	0.006	0.007	0.006
Wind	0.081	0.085	0.070	0.086	0.111	0.137	<i>0.104</i>	<i>0.119</i>	<i>0.143</i>	<i>0.151</i>	<i>0.114</i>	<i>0.139</i>	0.322	0.471	0.547
Wood	0.048	0.044	0.046	0.045	0.049	0.044	<i>0.051</i>	<i>0.049</i>	<i>0.048</i>	<i>0.044</i>	<i>0.051</i>	<i>0.049</i>	0.184	0.193	0.192
Other Renewables	0.061	0.059	0.062	0.060	0.056	0.063	<i>0.068</i>	<i>0.065</i>	<i>0.063</i>	<i>0.066</i>	<i>0.069</i>	<i>0.066</i>	0.243	0.252	0.264
Subtotal	0.956	0.987	0.829	0.760	0.939	1.030	<i>0.891</i>	<i>0.846</i>	<i>0.983</i>	<i>1.048</i>	<i>0.917</i>	<i>0.884</i>	3.532	3.705	3.831
Industrial Sector															
Hydroelectric Power (a)	0.006	0.004	0.003	0.002	0.006	0.005	<i>0.005</i>	<i>0.004</i>	<i>0.009</i>	<i>0.007</i>	<i>0.005</i>	<i>0.004</i>	0.016	0.020	0.024
Geothermal	0.001	0.001	0.001	0.001	0.001	0.001	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	0.005	0.005	0.005
Wood and Wood Waste	0.340	0.335	0.373	0.431	0.319	0.351	<i>0.394</i>	<i>0.391</i>	<i>0.371</i>	<i>0.368</i>	<i>0.394</i>	<i>0.386</i>	1.478	1.455	1.520
Other Renewables	0.034	0.031	0.037	0.040	0.024	0.026	<i>0.033</i>	<i>0.030</i>	<i>0.031</i>	<i>0.030</i>	<i>0.032</i>	<i>0.030</i>	0.142	0.114	0.122
Subtotal	0.479	0.468	0.512	0.572	0.473	0.507	<i>0.556</i>	<i>0.550</i>	<i>0.567</i>	<i>0.560</i>	<i>0.587</i>	<i>0.576</i>	2.031	2.085	2.289
Commercial Sector															
Hydroelectric Power (a)	0.000	0.000	0.000	0.000	0.000	0.000	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	0.001	0.001	0.001
Geothermal	0.004	0.004	0.004	0.004	0.004	0.004	<i>0.004</i>	<i>0.004</i>	<i>0.004</i>	<i>0.004</i>	<i>0.004</i>	<i>0.004</i>	0.014	0.015	0.015
Wood and Wood Waste	0.020	0.020	0.020	0.023	0.006	0.016	<i>0.015</i>	<i>0.018</i>	<i>0.012</i>	<i>0.015</i>	<i>0.014</i>	<i>0.018</i>	0.083	0.055	0.058
Other Renewables	0.010	0.009	0.010	0.010	0.007	0.009	<i>0.009</i>	<i>0.008</i>	<i>0.007</i>	<i>0.009</i>	<i>0.009</i>	<i>0.009</i>	0.037	0.033	0.033
Subtotal	0.034	0.033	0.033	0.037	0.017	0.029	<i>0.028</i>	<i>0.030</i>	<i>0.023</i>	<i>0.028</i>	<i>0.027</i>	<i>0.031</i>	0.137	0.105	0.109
Residential Sector															
Geothermal	0.005	0.005	0.005	0.005	0.006	0.006	<i>0.006</i>	<i>0.006</i>	<i>0.007</i>	<i>0.007</i>	<i>0.007</i>	<i>0.007</i>	0.021	0.024	0.028
Wood	0.101	0.101	0.101	0.101	0.101	0.101	<i>0.101</i>	<i>0.101</i>	<i>0.100</i>	<i>0.100</i>	<i>0.100</i>	<i>0.100</i>	0.403	0.403	0.401
Solar	0.018	0.018	0.018	0.018	0.019	0.019	<i>0.019</i>	<i>0.019</i>	<i>0.020</i>	<i>0.020</i>	<i>0.020</i>	<i>0.020</i>	0.070	0.076	0.082
Subtotal	0.123	0.123	0.123	0.123	0.126	0.126	<i>0.126</i>	<i>0.126</i>	<i>0.128</i>	<i>0.128</i>	<i>0.128</i>	<i>0.128</i>	0.494	0.503	0.511
Transportation Sector															
Biofuels (b)	0.148	0.152	0.162	0.181	0.189	0.217	<i>0.218</i>	<i>0.233</i>	<i>0.231</i>	<i>0.239</i>	<i>0.243</i>	<i>0.248</i>	0.643	0.857	0.960
Total Consumption	1.740	1.764	1.661	1.673	1.743	1.907	<i>1.818</i>	<i>1.784</i>	<i>1.931</i>	<i>2.002</i>	<i>1.901</i>	<i>1.867</i>	6.837	7.253	7.701

- = no data available

(a) Conventional hydroelectric power only. Hydroelectricity generated by pumped storage is not included in renewable energy.

(b) Fuel ethanol supply includes production but excludes imports, exports, and stock change. Fuel ethanol consumption in transportation sector represents total fuel ethanol blended into motor gasoline.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from EIA databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226 and *Renewable Energy Annual*, DOE/EIA-0603; *Petroleum Supply Monthly*, DOE/EIA-0109.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 9a. U.S. Macroeconomic Energy Indicators

Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Macroeconomic															
Real Gross Domestic Product															
(billion chained 2000 dollars - SAAR)	11,358	11,491	11,626	11,621	11,646	11,701	<i>11,744</i>	<i>11,730</i>	<i>11,725</i>	<i>11,795</i>	<i>11,870</i>	<i>11,949</i>	11,524	11,705	11,835
Real Disposable Personal Income															
(billion chained 2000 Dollars - SAAR)	8,618	8,605	8,671	8,683	8,680	8,915	<i>8,685</i>	<i>8,645</i>	<i>8,691</i>	<i>8,768</i>	<i>8,803</i>	<i>8,840</i>	8,644	8,731	8,776
Real Fixed Investment															
(billion chained 2000 dollars-SAAR)	1,808	1,821	1,817	1,788	1,762	1,752	<i>1,733</i>	<i>1,726</i>	<i>1,685</i>	<i>1,679</i>	<i>1,692</i>	<i>1,718</i>	1,809	1,743	1,694
Business Inventory Change															
(billion chained 2000 dollars-SAAR)	-7.15	-7.69	-2.21	2.91	13.75	-32.42	<i>-13.40</i>	<i>-25.55</i>	<i>-21.16</i>	<i>-17.63</i>	<i>-9.91</i>	<i>-1.22</i>	-3.54	-14.40	-12.48
Housing Stock															
(millions)	122.2	122.5	122.7	122.9	123.1	123.2	<i>123.3</i>	<i>123.4</i>	<i>123.5</i>	<i>123.6</i>	<i>123.7</i>	<i>123.8</i>	122.9	123.4	123.8
Non-Farm Employment															
(millions)	137.2	137.5	137.8	138.0	137.9	137.7	<i>137.5</i>	<i>137.3</i>	<i>137.2</i>	<i>137.3</i>	<i>137.5</i>	<i>137.9</i>	137.6	137.6	137.5
Commercial Employment															
(millions)	90.9	91.3	91.6	91.9	92.0	91.9	<i>91.8</i>	<i>91.8</i>	<i>91.8</i>	<i>92.2</i>	<i>92.6</i>	<i>92.9</i>	91.4	91.9	92.4
Industrial Production Indices (Index, 2002=100)															
Total Industrial Production	110.2	111.1	112.1	112.2	112.3	111.4	<i>111.3</i>	<i>110.8</i>	<i>111.1</i>	<i>111.9</i>	<i>113.0</i>	<i>113.6</i>	111.4	111.5	112.4
Manufacturing	112.6	113.9	115.1	115.0	114.8	113.8	<i>113.7</i>	<i>113.2</i>	<i>113.9</i>	<i>115.0</i>	<i>116.5</i>	<i>117.6</i>	114.2	113.9	115.8
Food	108.0	109.5	111.2	111.5	112.6	112.8	<i>113.1</i>	<i>113.5</i>	<i>114.0</i>	<i>114.5</i>	<i>115.0</i>	<i>115.4</i>	110.1	113.0	114.7
Paper	96.3	95.9	95.5	95.6	94.9	94.6	<i>94.2</i>	<i>93.6</i>	<i>93.4</i>	<i>93.6</i>	<i>94.4</i>	<i>95.0</i>	95.8	94.3	94.1
Chemicals	113.6	114.1	114.6	114.6	114.0	113.6	<i>113.6</i>	<i>113.5</i>	<i>114.0</i>	<i>114.7</i>	<i>115.7</i>	<i>116.4</i>	114.2	113.7	115.2
Petroleum	109.9	108.1	108.4	108.5	110.5	110.1	<i>109.8</i>	<i>110.1</i>	<i>110.5</i>	<i>110.7</i>	<i>110.9</i>	<i>111.1</i>	108.7	110.1	110.8
Stone, Clay, Glass	106.5	107.8	110.0	108.2	105.5	103.8	<i>100.3</i>	<i>95.6</i>	<i>92.5</i>	<i>92.4</i>	<i>93.2</i>	<i>94.1</i>	108.1	101.3	93.1
Primary Metals	108.8	110.1	111.3	111.3	114.1	110.8	<i>110.3</i>	<i>110.1</i>	<i>110.7</i>	<i>110.7</i>	<i>111.6</i>	<i>111.4</i>	110.3	111.3	111.1
Resins and Synthetic Products	107.1	110.8	109.0	108.5	105.0	106.0	<i>105.6</i>	<i>105.3</i>	<i>106.0</i>	<i>106.7</i>	<i>107.8</i>	<i>108.5</i>	108.8	105.5	107.3
Agricultural Chemicals	114.1	110.5	112.9	113.2	110.2	109.4	<i>110.5</i>	<i>112.1</i>	<i>113.7</i>	<i>116.5</i>	<i>117.5</i>	<i>118.8</i>	112.7	110.5	116.6
Natural Gas-weighted (a)	108.9	109.5	110.1	110.0	109.5	108.8	<i>108.4</i>	<i>108.1</i>	<i>108.3</i>	<i>109.0</i>	<i>109.8</i>	<i>110.3</i>	109.7	108.7	109.4
Price Indexes															
Consumer Price Index															
(index, 1982-1984=1.00)	2.04	2.07	2.08	2.11	2.13	2.15	<i>2.18</i>	<i>2.21</i>	<i>2.23</i>	<i>2.22</i>	<i>2.23</i>	<i>2.25</i>	2.07	2.17	2.23
Producer Price Index: All Commodities															
(index, 1982=1.00)	1.67	1.72	1.73	1.77	1.85	1.95	<i>2.00</i>	<i>2.02</i>	<i>2.03</i>	<i>1.99</i>	<i>2.00</i>	<i>2.01</i>	1.73	1.96	2.01
Producer Price Index: Petroleum															
(index, 1982=1.00)	1.76	2.21	2.22	2.37	2.58	3.18	<i>3.25</i>	<i>3.14</i>	<i>3.26</i>	<i>3.38</i>	<i>3.31</i>	<i>3.20</i>	2.14	3.04	3.29
GDP Implicit Price Deflator															
(index, 2000=100)	118.9	119.5	120.0	120.8	121.6	121.9	<i>122.7</i>	<i>123.5</i>	<i>124.4</i>	<i>124.5</i>	<i>125.3</i>	<i>126.2</i>	119.8	122.4	125.1
Miscellaneous															
Vehicle Miles Traveled (b)															
(million miles/day)	7,824	8,534	8,429	8,045	7,566	8,244	<i>8,293</i>	<i>8,018</i>	<i>7,529</i>	<i>8,283</i>	<i>8,253</i>	<i>7,959</i>	8,209	8,031	8,008
Air Travel Capacity															
(Available ton-miles/day, thousands)	546	564	572	561	540	557	<i>556</i>	<i>537</i>	<i>522</i>	<i>554</i>	<i>554</i>	<i>545</i>	561	548	544
Aircraft Utilization															
(Revenue ton-miles/day, thousands)	321	348	354	336	322	349	<i>347</i>	<i>323</i>	<i>313</i>	<i>351</i>	<i>349</i>	<i>326</i>	340	335	335
Airline Ticket Price Index															
(index, 1982-1984=100)	242.0	251.8	255.9	257.1	263.5	288.1	<i>296.4</i>	<i>278.5</i>	<i>294.1</i>	<i>314.2</i>	<i>318.6</i>	<i>301.1</i>	251.7	281.6	307.0
Raw Steel Production															
(million short tons per day)	0.279	0.295	0.299	0.297	0.302	0.303	<i>0.305</i>	<i>0.295</i>	<i>0.304</i>	<i>0.311</i>	<i>0.308</i>	<i>0.292</i>	0.293	0.301	0.304

- = no data available

 (a) Natural gas share weights of individual sector indices based on EIA *Manufacturing Energy Consumption Survey*, 2002.

(b) Total highway travel includes gasoline and diesel fuel vehicles.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from U.S. Department of Commerce, Bureau of Economic Analysis; Federal Reserve System, Statistical release G17; Federal Highway Administration; and Federal Aviation Administration.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Macroeconomic projections are based on the Global Insight Model of the U.S. Economy and Regional Economic Information and simulation of the EIA Regional Short-Term Energy Model.

Table 9b. U.S. Regional Macroeconomic Data

Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Real Gross State Product (Billion \$2000)															
New England	624	630	637	637	637	640	641	640	639	642	645	649	632	640	644
Middle Atlantic	1,719	1,738	1,756	1,755	1,758	1,766	1,771	1,767	1,764	1,772	1,780	1,788	1,742	1,765	1,776
E. N. Central	1,638	1,653	1,668	1,663	1,664	1,671	1,676	1,671	1,668	1,674	1,681	1,689	1,655	1,670	1,678
W. N. Central	721	729	737	737	738	741	744	743	742	746	750	754	731	742	748
S. Atlantic	2,098	2,123	2,148	2,149	2,155	2,164	2,171	2,170	2,170	2,185	2,200	2,216	2,129	2,165	2,193
E. S. Central	538	543	550	549	550	552	554	554	553	557	560	564	545	553	558
W. S. Central	1,199	1,218	1,236	1,239	1,246	1,257	1,266	1,268	1,273	1,285	1,297	1,309	1,223	1,259	1,291
Mountain	747	759	770	771	774	778	781	781	781	787	793	798	762	778	790
Pacific	1,994	2,016	2,041	2,038	2,042	2,049	2,056	2,053	2,051	2,064	2,080	2,095	2,022	2,050	2,073
Industrial Output, Manufacturing (Index, Year 1997=100)															
New England	107.3	108.6	110.0	109.9	109.7	108.7	108.5	108.0	108.2	108.5	109.5	110.1	108.9	108.7	109.1
Middle Atlantic	105.7	106.9	107.9	107.4	106.9	106.1	105.9	105.4	105.9	106.6	107.8	108.5	107.0	106.1	107.2
E. N. Central	109.7	110.9	111.7	111.4	111.1	110.0	109.7	109.2	110.0	111.1	112.5	113.4	110.9	110.0	111.8
W. N. Central	119.5	121.2	123.0	123.1	123.2	122.1	122.3	122.0	123.3	125.0	127.1	128.5	121.7	122.4	126.0
S. Atlantic	109.1	109.8	110.6	110.3	109.8	108.5	108.1	107.3	107.8	108.8	110.3	111.2	110.0	108.4	109.5
E. S. Central	115.8	116.7	117.7	117.4	116.9	115.8	115.5	114.8	115.7	117.1	119.0	120.3	116.9	115.8	118.0
W. S. Central	118.9	121.1	122.7	122.9	123.0	122.2	122.3	121.9	122.9	124.5	126.4	127.7	121.4	122.4	125.4
Mountain	124.3	126.1	127.5	127.7	127.6	126.6	126.9	126.5	127.0	127.7	129.2	130.2	126.4	126.9	128.5
Pacific	114.4	115.8	117.4	117.6	117.4	116.6	116.8	116.5	117.0	117.8	119.3	120.4	116.3	116.8	118.6
Real Personal Income (Billion \$2000)															
New England	570	567	571	572	572	576	569	567	567	572	573	576	570	571	572
Middle Atlantic	1,560	1,542	1,553	1,554	1,555	1,562	1,552	1,548	1,548	1,560	1,565	1,572	1,552	1,554	1,561
E. N. Central	1,437	1,431	1,437	1,437	1,437	1,451	1,431	1,424	1,424	1,435	1,439	1,444	1,435	1,435	1,436
W. N. Central	621	625	629	631	627	631	624	624	624	629	632	634	626	627	630
S. Atlantic	1,835	1,835	1,847	1,850	1,853	1,865	1,844	1,838	1,841	1,858	1,868	1,880	1,842	1,850	1,862
E. S. Central	483	485	488	488	488	494	488	485	487	492	494	496	486	489	492
W. S. Central	1,046	1,057	1,068	1,072	1,076	1,088	1,079	1,079	1,084	1,096	1,104	1,112	1,061	1,080	1,099
Mountain	640	642	648	649	650	654	648	647	648	655	658	662	645	650	656
Pacific	1,679	1,689	1,700	1,703	1,701	1,713	1,693	1,685	1,686	1,701	1,710	1,721	1,693	1,698	1,704
Households (Thousands)															
New England	5,498	5,502	5,507	5,513	5,515	5,519	5,522	5,525	5,531	5,539	5,545	5,552	5,513	5,525	5,552
Middle Atlantic	15,186	15,195	15,204	15,213	15,209	15,215	15,215	15,217	15,225	15,242	15,251	15,262	15,213	15,217	15,262
E. N. Central	17,891	17,907	17,923	17,939	17,992	18,000	18,003	18,024	18,015	18,032	18,056	18,085	17,939	18,024	18,085
W. N. Central	7,984	8,000	8,016	8,032	8,040	8,053	8,063	8,074	8,088	8,106	8,120	8,134	8,032	8,074	8,134
S. Atlantic	22,258	22,332	22,406	22,482	22,542	22,614	22,677	22,742	22,814	22,901	22,974	23,053	22,482	22,742	23,053
E. S. Central	7,003	7,020	7,037	7,053	7,064	7,080	7,093	7,106	7,123	7,143	7,159	7,177	7,053	7,106	7,177
W. S. Central	12,360	12,404	12,448	12,491	12,527	12,566	12,603	12,637	12,677	12,722	12,762	12,801	12,491	12,637	12,801
Mountain	7,871	7,915	7,959	8,003	8,042	8,085	8,124	8,164	8,206	8,254	8,299	8,344	8,003	8,164	8,344
Pacific	16,947	16,991	17,035	17,080	17,112	17,153	17,189	17,227	17,271	17,327	17,373	17,422	17,080	17,227	17,422
Total Non-farm Employment (Millions)															
New England	7.0	7.0	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Middle Atlantic	18.5	18.6	18.6	18.7	18.6	18.6	18.6	18.5	18.5	18.5	18.5	18.5	18.6	18.6	18.5
E. N. Central	21.5	21.6	21.5	21.5	21.5	21.5	21.4	21.3	21.3	21.3	21.3	21.3	21.5	21.4	21.3
W. N. Central	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
S. Atlantic	26.5	26.5	26.5	26.6	26.6	26.6	26.5	26.5	26.5	26.5	26.6	26.7	26.5	26.5	26.6
E. S. Central	7.8	7.8	7.8	7.9	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
W. S. Central	14.9	15.0	15.1	15.2	15.2	15.2	15.2	15.3	15.3	15.4	15.4	15.5	15.1	15.2	15.4
Mountain	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.9	9.9	9.8	9.8	9.9
Pacific	20.7	20.8	20.8	20.8	20.8	20.8	20.7	20.7	20.6	20.6	20.7	20.7	20.8	20.7	20.7

- = no data available

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to U.S. Census divisions.

 See "Census division" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

Historical data: Latest data available from U.S. Department of Commerce, Bureau of Economic Analysis; Federal Reserve System, Statistical release G17.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Macroeconomic projections are based on the Global Insight Model of the U.S. Economy.

Table 9c. U.S. Regional Weather Data

Energy Information Administration/Short-Term Energy Outlook - September 2008

	2007				2008				2009				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008	2009
Heating Degree-days															
New England	3,283	910	107	2,201	3,105	867	<i>173</i>	<i>2,248</i>	<i>3,211</i>	<i>928</i>	<i>176</i>	<i>2,236</i>	6,501	<i>6,393</i>	<i>6,551</i>
Middle Atlantic	2,973	716	61	1,871	2,779	664	<i>114</i>	<i>2,040</i>	<i>2,948</i>	<i>751</i>	<i>120</i>	<i>2,035</i>	5,622	<i>5,597</i>	<i>5,854</i>
E. N. Central	3,171	721	77	2,127	3,349	789	<i>154</i>	<i>2,268</i>	<i>3,133</i>	<i>797</i>	<i>156</i>	<i>2,286</i>	6,096	<i>6,560</i>	<i>6,372</i>
W. N. Central	3,215	673	107	2,379	3,545	865	<i>157</i>	<i>2,459</i>	<i>3,220</i>	<i>725</i>	<i>183</i>	<i>2,483</i>	6,374	<i>7,026</i>	<i>6,611</i>
South Atlantic	1,446	247	7	886	1,360	236	<i>24</i>	<i>1,047</i>	<i>1,499</i>	<i>247</i>	<i>24</i>	<i>1,043</i>	2,585	<i>2,667</i>	<i>2,813</i>
E. S. Central	1,776	292	6	1,138	1,885	333	<i>33</i>	<i>1,358</i>	<i>1,846</i>	<i>298</i>	<i>32</i>	<i>1,351</i>	3,212	<i>3,609</i>	<i>3,527</i>
W. S. Central	1,270	149	2	736	1,231	162	<i>8</i>	<i>861</i>	<i>1,213</i>	<i>107</i>	<i>9</i>	<i>872</i>	2,157	<i>2,262</i>	<i>2,201</i>
Mountain	2,260	622	112	1,836	2,417	706	<i>144</i>	<i>1,937</i>	<i>2,288</i>	<i>724</i>	<i>174</i>	<i>1,943</i>	4,830	<i>5,204</i>	<i>5,129</i>
Pacific	1,371	501	91	1,150	1,525	537	<i>81</i>	<i>1,145</i>	<i>1,419</i>	<i>554</i>	<i>105</i>	<i>1,140</i>	3,113	<i>3,288</i>	<i>3,218</i>
U.S. Average	2,196	508	57	1,495	2,231	536	<i>89</i>	<i>1,612</i>	<i>2,200</i>	<i>539</i>	<i>98</i>	<i>1,616</i>	4,256	<i>4,467</i>	<i>4,453</i>
Heating Degree-days, 30-year Normal (a)															
New England	3,219	930	190	2,272	3,219	930	<i>190</i>	<i>2,272</i>	<i>3,219</i>	<i>930</i>	<i>190</i>	<i>2,272</i>	6,611	<i>6,611</i>	<i>6,611</i>
Middle Atlantic	2,968	752	127	2,064	2,968	752	<i>127</i>	<i>2,064</i>	<i>2,968</i>	<i>752</i>	<i>127</i>	<i>2,064</i>	5,911	<i>5,911</i>	<i>5,911</i>
E. N. Central	3,227	798	156	2,316	3,227	798	<i>156</i>	<i>2,316</i>	<i>3,227</i>	<i>798</i>	<i>156</i>	<i>2,316</i>	6,497	<i>6,497</i>	<i>6,497</i>
W. N. Central	3,326	729	183	2,512	3,326	729	<i>183</i>	<i>2,512</i>	<i>3,326</i>	<i>729</i>	<i>183</i>	<i>2,512</i>	6,750	<i>6,750</i>	<i>6,750</i>
South Atlantic	1,523	247	25	1,058	1,523	247	<i>25</i>	<i>1,058</i>	<i>1,523</i>	<i>247</i>	<i>25</i>	<i>1,058</i>	2,853	<i>2,853</i>	<i>2,853</i>
E. S. Central	1,895	299	33	1,377	1,895	299	<i>33</i>	<i>1,377</i>	<i>1,895</i>	<i>299</i>	<i>33</i>	<i>1,377</i>	3,604	<i>3,604</i>	<i>3,604</i>
W. S. Central	1,270	112	9	896	1,270	112	<i>9</i>	<i>896</i>	<i>1,270</i>	<i>112</i>	<i>9</i>	<i>896</i>	2,287	<i>2,287</i>	<i>2,287</i>
Mountain	2,321	741	183	1,964	2,321	741	<i>183</i>	<i>1,964</i>	<i>2,321</i>	<i>741</i>	<i>183</i>	<i>1,964</i>	5,209	<i>5,209</i>	<i>5,209</i>
Pacific	1,419	556	108	1,145	1,419	556	<i>108</i>	<i>1,145</i>	<i>1,419</i>	<i>556</i>	<i>108</i>	<i>1,145</i>	3,228	<i>3,228</i>	<i>3,228</i>
U.S. Average	2,242	543	101	1,638	2,242	543	<i>101</i>	<i>1,638</i>	<i>2,242</i>	<i>543</i>	<i>101</i>	<i>1,638</i>	4,524	<i>4,524</i>	<i>4,524</i>
Cooling Degree-days															
New England	0	83	393	8	0	127	<i>379</i>	<i>0</i>	<i>0</i>	<i>71</i>	<i>368</i>	<i>0</i>	484	<i>505</i>	<i>439</i>
Middle Atlantic	0	202	552	34	0	211	<i>524</i>	<i>5</i>	<i>0</i>	<i>142</i>	<i>528</i>	<i>5</i>	788	<i>740</i>	<i>675</i>
E. N. Central	3	273	595	30	0	192	<i>492</i>	<i>8</i>	<i>1</i>	<i>197</i>	<i>502</i>	<i>8</i>	899	<i>693</i>	<i>708</i>
W. N. Central	12	320	783	21	0	233	<i>629</i>	<i>13</i>	<i>3</i>	<i>263</i>	<i>650</i>	<i>12</i>	1,137	<i>875</i>	<i>928</i>
South Atlantic	126	575	1,219	290	115	670	<i>1,057</i>	<i>208</i>	<i>115</i>	<i>567</i>	<i>1,087</i>	<i>214</i>	2,211	<i>2,050</i>	<i>1,983</i>
E. S. Central	50	543	1,230	105	4	523	<i>964</i>	<i>62</i>	<i>31</i>	<i>459</i>	<i>1,004</i>	<i>65</i>	1,928	<i>1,553</i>	<i>1,559</i>
W. S. Central	103	728	1,431	228	61	912	<i>1,416</i>	<i>184</i>	<i>86</i>	<i>783</i>	<i>1,423</i>	<i>180</i>	2,490	<i>2,573</i>	<i>2,472</i>
Mountain	32	472	1,061	96	4	400	<i>905</i>	<i>64</i>	<i>15</i>	<i>384</i>	<i>845</i>	<i>66</i>	1,662	<i>1,373</i>	<i>1,310</i>
Pacific	13	178	576	42	0	218	<i>659</i>	<i>41</i>	<i>7</i>	<i>151</i>	<i>511</i>	<i>41</i>	809	<i>917</i>	<i>710</i>
U.S. Average	43	378	867	110	29	398	<i>791</i>	<i>77</i>	<i>36</i>	<i>344</i>	<i>776</i>	<i>77</i>	1,399	<i>1,296</i>	<i>1,233</i>
Cooling Degree-days, 30-year Normal (a)															
New England	0	81	361	1	0	81	<i>361</i>	<i>1</i>	<i>0</i>	<i>81</i>	<i>361</i>	<i>1</i>	443	<i>443</i>	<i>443</i>
Middle Atlantic	0	151	508	7	0	151	<i>508</i>	<i>7</i>	<i>0</i>	<i>151</i>	<i>508</i>	<i>7</i>	666	<i>666</i>	<i>666</i>
E. N. Central	1	208	511	10	1	208	<i>511</i>	<i>10</i>	<i>1</i>	<i>208</i>	<i>511</i>	<i>10</i>	730	<i>730</i>	<i>730</i>
W. N. Central	3	270	661	14	3	270	<i>661</i>	<i>14</i>	<i>3</i>	<i>270</i>	<i>661</i>	<i>14</i>	948	<i>948</i>	<i>948</i>
South Atlantic	113	576	1,081	213	113	576	<i>1,081</i>	<i>213</i>	<i>113</i>	<i>576</i>	<i>1,081</i>	<i>213</i>	1,983	<i>1,983</i>	<i>1,983</i>
E. S. Central	29	469	1,002	66	29	469	<i>1,002</i>	<i>66</i>	<i>29</i>	<i>469</i>	<i>1,002</i>	<i>66</i>	1,566	<i>1,566</i>	<i>1,566</i>
W. S. Central	80	790	1,424	185	80	790	<i>1,424</i>	<i>185</i>	<i>80</i>	<i>790</i>	<i>1,424</i>	<i>185</i>	2,479	<i>2,479</i>	<i>2,479</i>
Mountain	17	383	839	68	17	383	<i>839</i>	<i>68</i>	<i>17</i>	<i>383</i>	<i>839</i>	<i>68</i>	1,307	<i>1,307</i>	<i>1,307</i>
Pacific	10	171	526	49	10	171	<i>526</i>	<i>49</i>	<i>10</i>	<i>171</i>	<i>526</i>	<i>49</i>	756	<i>756</i>	<i>756</i>
U.S. Average	34	353	775	80	34	353	<i>775</i>	<i>80</i>	<i>34</i>	<i>353</i>	<i>775</i>	<i>80</i>	1,242	<i>1,242</i>	<i>1,242</i>

- = no data available

(a) 30-year normal represents average over 1971 - 2000, reported by National Oceanic and Atmospheric Administration.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to U.S. Census divisions.

See "Census division" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

Historical data: Latest data available from U.S. Department of Commerce, National Oceanic and Atmospheric Association (NOAA).

Minor discrepancies with published historical data are due to independent rounding.

Projections: Based on forecasts by the NOAA Climate Prediction Center.