

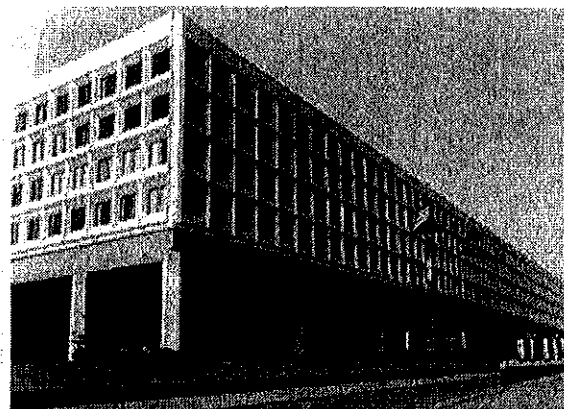
About EIA

Mission and Overview

The U.S. Energy Information Administration (EIA) is the statistical and analytical agency within the U.S. Department of Energy. EIA collects, analyzes, and disseminates independent and impartial energy information to promote sound policymaking, efficient markets, and public understanding of energy and its interaction with the economy and the environment. EIA is the Nation's premier source of energy information and, by law, its data, analyses, and forecasts are independent of approval by any other officer or employee of the U.S. Government.

EIA conducts a comprehensive data collection program that covers the full spectrum of energy sources, end uses, and energy flows. EIA also prepares informative energy analyses, monthly short-term forecasts of energy market trends, and long-term U.S. and international energy outlooks. EIA disseminates its data, analyses, and other products primarily through its website and customer contact center.

The Department of Energy Organization Act of 1977 established EIA as the primary Federal Government authority on energy statistics and analysis, building upon systems and organizations first established in 1974 following the oil market disruption of 1973. Located in Washington, DC, EIA is an organization of about 370 Federal employees, with an annual budget in Fiscal Year 2010 of \$111 million.



**Commission de l'agriculture, des
pêcheries, de l'énergie et des
ressources naturelles**

Déposé le : 21-04-2011

No : CAPER-N-058

Secrétaire : Valérie Roy

Total Energy Supply, Disposition, and Price Summary, AEO2011 Reference Case
(quadrillion Btu, unless otherwise noted)

Supply, Disposition, and Prices	2008	2009	2010	2011	2012	2013	2014	2015	2016
Production									
Crude Oil and Lease Condensate	10.508787	11.336535	11.703520	11.436961	11.720757	11.780622	12.133763	12.314452	12.537650
Natural Gas Plant Liquids	2.411561	2.573990	2.637328	2.629243	2.738641	2.793415	2.795932	2.850009	2.866917
Dry Natural Gas	20.833776	21.499853	21.876009	21.620981	21.664351	22.226751	22.349670	22.674494	22.712656
Coal 1/	23.849699	21.578299	22.506607	21.631510	21.465158	21.088428	20.971823	21.061264	21.307304
Nuclear Power	8.427294	8.349272	8.392276	8.397101	8.495641	8.643312	8.703510	8.774737	8.794132
Hydropower	2.526232	2.694814	2.397497	2.578196	2.662765	2.735171	2.832872	2.913494	2.988892
Biomass 2/	3.942268	3.510925	3.813840	4.142109	4.286940	4.501479	4.490409	4.671059	4.783141
Other Renewable Energy 3/	1.115982	1.288936	1.537262	1.716424	2.142224	2.167317	2.177790	2.183189	2.183680
Other 4/	0.185332	0.340115	0.556780	0.933898	0.635115	0.669702	0.678987	0.750343	0.819394
Total	73.800926	73.172745	75.421112	75.086426	75.811600	76.606201	77.134750	78.193039	78.993767
Imports									
Crude Oil	21.389061	19.702282	20.192228	20.142277	19.738760	20.018467	19.736355	19.472109	19.309227
Liquid Fuels 5/	6.323376	5.401473	4.532287	4.724282	5.219617	5.360329	5.348521	5.385734	5.389553
Natural Gas	4.083838	3.817812	3.909787	3.922814	3.911724	4.003322	4.010325	4.104985	4.121429
Other Imports 6/	0.963152	0.613308	0.555619	0.682510	0.820767	0.864668	0.856310	0.820666	0.809710
Total	32.759426	29.534874	29.189919	29.471882	29.690868	30.246786	29.951509	29.783495	29.629919
Exports									
Petroleum 7/	3.775038	4.166952	4.245648	4.236854	3.251279	3.227641	3.217361	3.278555	3.318467
Natural Gas	1.014778	1.090311	1.060825	1.081001	1.190794	1.207228	1.247518	1.235059	1.324936
Coal	2.070000	1.510000	1.928803	1.860363	1.863500	1.868058	1.782403	1.757051	1.707068
Total	6.859816	6.767263	7.235277	7.178218	6.305573	6.302927	6.247281	6.270666	6.350472
Discrepancy 8/	-0.440256	1.155222	-0.354517	-0.726745	-0.259991	-0.237697	-0.238345	-0.226643	-0.238284
Consumption									
Liquid Fuels 9/	38.464870	36.620689	36.959747	37.405628	38.252071	38.867538	38.965172	39.133293	39.283382
Natural Gas	23.846027	23.316742	24.521832	24.512053	24.367424	25.004503	25.094648	25.528616	25.493965
Coal 10/	22.376627	19.685787	20.957176	20.295326	20.255281	19.920866	19.876921	19.840530	20.123144
Nuclear Power	8.427294	8.349272	8.392276	8.397101	8.495641	8.643312	8.703510	8.774737	8.794132
Hydropower	2.526232	2.694814	2.397497	2.578196	2.662765	2.735171	2.832872	2.913494	2.988892
Biomass 11/	3.072798	2.513197	2.647822	2.898219	2.971617	3.139726	3.114362	3.246332	3.329206
Other Renewable Energy 3/	1.115982	1.288936	1.537262	1.716424	2.142224	2.167317	2.177790	2.183189	2.183680
Other 12/	0.310968	0.315694	0.316668	0.303892	0.309854	0.309327	0.312039	0.312323	0.315091
Total	100.140793	94.785133	97.730270	98.106834	99.456886	100.787758	101.077324	101.932510	102.511497

Prices (2009 dollars per unit)

Low Sulfur Light Price (\$ per barrel) 13/	100.507057	61.661594	78.027931	83.209404	85.913757	88.221169	91.544365	94.670578	97.710411
Imported Crude Oil Price (\$ per barrel) 13/	93.443306	59.036900	74.859291	80.317505	80.645752	82.852104	85.235474	86.938538	89.076645
Gas Price at Henry Hub (\$ / mmBtu)	8.943237	3.950000	4.431169	4.480698	4.566546	4.701797	4.765911	4.805692	4.834641
Gas Wellhead Price (\$ / mmBtu) 14/	7.956413	3.616522	4.095064	4.075343	4.044653	4.164302	4.221019	4.256209	4.281819
Gas Wellhead Price (\$ / Mcf) 14/	8.171236	3.710551	4.201535	4.181302	4.149815	4.272574	4.330766	4.366871	4.393146
Coal Minemouth Price (\$ / ton) 15/	31.543589	33.259998	36.395908	35.189316	33.827667	33.306416	32.474789	32.641853	32.442894
Coal Delivered Price (\$ / million Btu) 16/	2.180136	2.309052	2.396648	2.368429	2.313147	2.287193	2.261763	2.287885	2.287194
Electricity (cents per kilowatthour)	9.773708	9.789660	9.583568	9.073003	9.059258	9.003461	8.982813	8.975149	8.949991

Prices (nominal dollars per unit)

Low Sulfur Light Price (\$ per barrel) 13/	99.571602	61.661594	78.711700	85.053497	88.806038	92.721321	97.990280	103.383881	108.858917
Imported Crude Oil Price (\$ per barrel) 13/	92.573601	59.036900	75.515297	82.097504	83.360687	87.078384	91.237152	94.940201	99.240059
Gas Price at Henry Hub (\$ / mmBtu)	8.860000	3.950000	4.470000	4.580000	4.720279	4.941635	5.101493	5.247998	5.386261
Gas Wellhead Price (\$ / mmBtu) 14/	7.882360	3.616521	4.130949	4.165661	4.180817	4.376723	4.518234	4.647943	4.770363
Gas Wellhead Price (\$ / Mcf) 14/	8.095183	3.710551	4.238354	4.273969	4.289518	4.490518	4.635708	4.768789	4.894392
Coal Minemouth Price (\$ / ton) 15/	31.250002	33.259998	36.714851	35.969185	34.966473	35.005371	34.761436	35.646149	36.144543
Coal Delivered Price (\$ / million Btu) 16/	2.159844	2.309052	2.417651	2.420918	2.391019	2.403862	2.421020	2.498458	2.548156
Electricity (cents per kilowatthour)	9.682741	9.789660	9.667551	9.274079	9.364237	9.462727	9.615320	9.801205	9.971162

1/ Includes waste coal.

2/ Includes grid-connected electricity from wood and wood waste; biomass, such as corn, used for liquid fuels production; and non-electric energy demand from wood. Refer to Table 17 for details.

3/ Includes grid-connected electricity from landfill gas; biogenic municipal waste; wind; photovoltaic and solar thermal sources; and non-electric energy from renewable sources, such as active and passive solar systems. Excludes electricity imports using renewable sources and nonmarketed renewable energy. See Table 17 for selected nonmarketed residential and commercial renewable energy.

4/ Includes non-biogenic municipal waste, liquid hydrogen, methanol, and some domestic inputs to refineries.

5/ Includes imports of finished petroleum products, unfinished oils, alcohols, ethers, blending components, and renewable fuels such as ethanol.

6/ Includes coal, coal coke (net), and electricity (net).

7/ Includes crude oil and petroleum products.

8/ Balancing item. Includes unaccounted for supply, losses, gains, and net storage withdrawals.

9/ Includes petroleum-derived fuels and non-petroleum-derived fuels, such as ethanol and biodiesel, and coal-based synthetic liquids. Petroleum coke, which is a solid, is included. Also included are natural gas plant liquids and crude oil consumed as a fuel. Refer to Table 17 for detailed renewable liquid fuels consumption.

10/ Excludes coal converted to coal-based synthetic liquids.

11/ Includes grid-connected electricity from wood and wood waste, non-electric energy from wood, and biofuels heat and coproducts used in the production of liquid fuels, but excludes the energy content of the liquid fuels.

12/ Includes non-biogenic municipal waste, liquid hydrogen, and net electricity imports.

13/ Weighted average price delivered to U.S. refiners.

14/ Represents lower 48 onshore and offshore supplies.

15/ Includes reported prices for both open market and captive mines.

16/ Prices weighted by consumption; weighted average excludes residential and commercial prices, and export free-alongside-ship (f.a.s.) prices.
Btu = British thermal unit.
Mcf = Thousand cubic feet.
-- = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2008 and 2009 are model results and may differ slightly from official EIA data reports.
Sources: 2008 natural gas supply values: Energy Information Administration (EIA), Natural Gas Annual 2008, DOE/EIA-0131(2008) (Washington, DC, March 2010).
2009 natural gas supply values and natural gas wellhead price: EIA, Natural Gas Monthly, DOE/EIA-0130(2010/07) (Washington, DC, July 2010).
2008 natural gas wellhead price: Minerals Management Service and EIA, Natural Gas Annual 2008, DOE/EIA-0131(2008) (Washington, DC, March 2010).
2008 and 2009 coal minemouth and delivered coal prices: EIA, Annual Coal Report 2009, DOE/EIA-0584(2009) (Washington, DC, October 2010).
2009 petroleum supply values and 2008 crude oil and lease condensate production: EIA, Petroleum Supply Annual 2009, DOE/EIA-0340(2009)/1 (Washington, DC, July 2010).
Other 2008 petroleum supply values: EIA, Petroleum Supply Annual 2008, DOE/EIA-0340(2008)/1 (Washington, DC, June 2009).
2008 and 2009 low sulfur light crude oil price: EIA, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report." Other 2008 and 2009 coal values: EIA, Quarterly Coal Report, October-December 2009, DOE/EIA-0121(2009/4Q) (Washington, DC, April 2010).
Other 2008 and 2009 values: EIA, Annual Energy Review 2009, DOE/EIA-0384(2009) (Washington, DC, August 2010).
Projections: EIA, AEO2011 National Energy Modeling System.

2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
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12.844253	12.947669	13.013087	13.004127	12.966234	12.926055	12.764565	12.550757	12.456443	12.435163	12.429663	12.536012
2.908185	2.962222	3.009099	3.072528	3.164219	3.285179	3.415170	3.445370	3.474430	3.502164	3.538622	3.578681
22.918081	23.228477	23.465309	23.615950	23.732723	23.888538	24.064077	24.157337	24.251671	24.400484	24.637926	24.936144
21.444471	21.547640	21.725710	22.119226	22.238626	22.555351	22.854889	23.336113	23.712528	23.959763	23.878220	24.177528
8.901153	9.008173	9.115189	9.222204	9.222204	9.222204	9.222204	9.222204	9.222204	9.222204	9.222205	9.222205
2.989016	2.994540	2.999696	2.999817	2.999928	3.007835	3.012677	3.013562	3.023384	3.050367	3.050521	3.062485
4.929174	5.131302	5.340519	5.676676	5.857470	6.099509	6.467902	6.822717	7.129239	7.356948	7.601799	7.766342
2.208097	2.232518	2.256594	2.308626	2.342794	2.376559	2.415975	2.471462	2.551419	2.621808	2.679317	2.730824
0.918038	0.950543	0.965623	0.972871	0.975375	0.979046	0.956799	0.933584	0.900747	0.855000	0.806574	0.792180
80.060471	81.003082	81.890823	82.992020	83.499573	84.340279	85.174271	85.953110	86.722076	87.403915	87.844841	88.802406

19.021456	18.783875	18.558439	18.541391	18.653837	18.510359	18.527485	18.652142	18.687254	18.654493	18.571745	18.467131
5.363564	5.347155	5.398475	5.321736	5.240801	5.246645	5.210093	5.216518	5.214448	5.230958	5.235695	5.248300
4.124850	4.071839	4.049929	4.026823	3.979608	3.838378	3.693615	3.535655	3.432836	3.340851	3.296912	3.248258
0.802712	0.879793	0.956002	0.961156	1.128718	1.145018	1.189764	1.144786	1.152568	1.210646	1.490445	1.379611
29.312580	29.082661	28.962845	28.851105	29.002964	28.740398	28.620956	28.549103	28.487106	28.436949	28.594795	28.343300

3.413899	3.419965	3.467505	3.509942	3.544054	3.533388	3.546062	3.565252	3.594136	3.612594	3.625272	3.646171
1.428132	1.534744	1.654766	1.816006	1.938000	2.008666	2.046314	2.048065	2.063925	2.104752	2.149794	2.182265
1.749700	1.805297	1.861390	1.917753	1.850807	1.858725	1.870023	1.881912	1.894417	1.887090	1.891988	1.891814
6.591732	6.760006	6.983660	7.243701	7.332862	7.400779	7.462399	7.495229	7.552478	7.604435	7.667054	7.720249

-0.233413	-0.216354	-0.201273	-0.215274	-0.198016	-0.184390	-0.153592	-0.141675	-0.112018	-0.089873	-0.115769	-0.107975
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39.372910	39.379311	39.380344	39.439838	39.557022	39.619926	39.692486	39.766613	39.864784	39.960087	40.059330	40.227108
25.599792	25.750544	25.844465	25.812094	25.758942	25.703938	25.698528	25.634190	25.611284	25.628645	25.779264	25.998001
20.204077	20.326572	20.519386	20.868179	21.193546	21.523064	21.837156	22.242943	22.549885	22.797913	22.970207	23.096291
8.901153	9.008173	9.115189	9.222204	9.222204	9.222204	9.222204	9.222204	9.222204	9.222204	9.222205	9.222205
2.989016	2.994540	2.999696	2.999817	2.999928	3.007835	3.012677	3.013562	3.023384	3.050367	3.050521	3.062485
3.427059	3.547917	3.657936	3.871087	3.991009	4.112343	4.319395	4.511843	4.671566	4.774835	4.854522	4.926892
2.208097	2.232518	2.256594	2.308626	2.342794	2.376559	2.415975	2.471462	2.551419	2.621808	2.679317	2.730824
0.312631	0.302521	0.297676	0.292855	0.302236	0.298417	0.287985	0.285836	0.274191	0.270439	0.272986	0.269614
103.014732	103.542091	104.071281	104.814697	105.367691	105.864288	106.486420	107.148659	107.768723	108.326302	108.888351	109.533432

100.605873	103.318665	105.869041	108.134201	110.284737	112.304779	114.189461	115.943909	117.478378	118.810501	120.158691	121.146690
91.752098	94.224419	96.515129	98.708969	100.773453	102.586586	104.362114	106.065132	107.532326	108.727409	109.980995	110.837273
4.881967	4.959398	5.036544	5.177979	5.332697	5.484909	5.666768	5.845872	6.012887	6.152366	6.279922	6.364522
4.323683	4.392177	4.460418	4.585523	4.722374	4.857002	5.017848	5.176250	5.323957	5.447306	5.560109	5.634922
4.436099	4.506374	4.576389	4.704747	4.845156	4.983284	5.148312	5.310833	5.462380	5.588936	5.704672	5.781430
32.627705	32.727814	32.735153	33.059540	32.945900	33.075611	33.157013	33.556831	33.455181	33.607697	33.751957	33.228508
2.299021	2.298333	2.299513	2.309723	2.312592	2.326052	2.340580	2.357964	2.365006	2.378161	2.390163	2.393696
8.928393	8.904579	8.881949	8.869109	8.854104	8.860415	8.878887	8.893614	8.920527	8.940614	8.941958	8.961951

2029	2030	2031	2032	2033	2034	2035	Growth Rate (2009-2035)
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12.493022	12.499079	12.479085	12.724373	12.680815	12.617367	12.315235	0.318992%
3.595506	3.625473	3.669203	3.718214	3.755249	3.801641	3.854460	1.565099%
25.117409	25.347445	25.614281	25.866756	26.084164	26.394579	26.775572	0.847590%
24.455433	24.744049	24.898157	25.282803	25.375751	25.605455	25.842720	0.696027%
9.222205	9.221037	9.218907	9.215755	9.209848	9.202106	9.189968	0.369680%
3.068893	3.069865	3.077258	3.086190	3.087591	3.093694	3.093831	0.532496%
8.053717	8.176286	8.427773	8.611980	8.839047	8.971251	8.976155	3.676319%
2.775478	2.830554	2.881454	2.945648	3.011683	3.053196	3.131098	3.472650%
0.789867	0.803830	0.818226	0.818566	0.821655	0.819792	0.819252	3.438997%
89.571533	90.317619	91.084351	92.270294	92.865799	93.559082	93.998283	0.967932%

18.437124	18.478506	18.515017	18.344746	18.417688	18.581774	19.003611	-0.138772%
5.242337	5.297863	5.315174	5.335976	5.350591	5.364319	5.350967	-0.036126%
3.259510	3.257920	3.242415	3.223071	3.169115	3.096204	2.998328	-0.925010%
1.394169	1.330723	1.433646	1.271331	1.384089	1.314056	1.314437	2.975309%
28.333139	28.365011	28.506252	28.175125	28.321484	28.356354	28.667345	-0.114602%

3.673134	3.715324	3.755592	3.836709	3.866854	3.901505	3.911717	-0.242811%
2.227947	2.231397	2.288040	2.350003	2.437891	2.521619	2.631349	3.446662%
1.892376	1.893706	1.913978	1.885032	1.842938	1.822466	1.812585	0.704956%
7.793457	7.840427	7.957611	8.071745	8.147683	8.245590	8.355652	0.814223%

-0.084264	-0.079534	-0.077075	-0.060873	-0.008939	0.009636	0.014322	--
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40.352898	40.603107	40.863453	41.101387	41.326519	41.572205	41.797798	0.509870%
26.146334	26.373390	26.569450	26.741322	26.817583	26.971733	27.145138	0.586426%
23.332354	23.506998	23.669601	23.848162	24.020344	24.128912	24.307043	0.814331%
9.222205	9.221037	9.218907	9.215755	9.209848	9.202106	9.189968	0.369680%
3.068893	3.069865	3.077258	3.086190	3.087591	3.093694	3.093831	0.532496%
5.035262	5.072055	5.181684	5.243707	5.319973	5.385260	5.380407	2.971005%
2.775478	2.830554	2.881454	2.945648	3.011683	3.053196	3.131098	3.472650%
0.262053	0.244732	0.248256	0.252370	0.255006	0.253106	0.250376	-0.887609%
110.195480	110.921738	111.710068	112.434547	113.048538	113.660210	114.295654	0.722504%

122.051056	122.918114	123.623436	124.134178	124.533958	124.776398	125.027985	2.756047%
111.567375	112.345222	112.932045	113.189934	113.477119	113.685585	114.050201	2.564943%
6.425874	6.502604	6.622354	6.758783	6.876004	7.008754	7.191095	2.331090%
5.689176	5.757028	5.862920	5.983560	6.087210	6.204591	6.365817	2.198553%
5.837095	5.906711	6.015357	6.139132	6.245478	6.365911	6.531328	2.198553%
33.528461	33.581650	33.583595	34.096188	34.034454	33.741222	34.110016	0.097108%
2.411803	2.415567	2.429443	2.443952	2.452882	2.464057	2.478040	0.272024%
8.987523	8.979456	9.010008	9.042376	9.087978	9.155607	9.194675	-0.240874%