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Table 3. OPEC and non-OPEC oil production in three AEO2007 world oil price cases, 2005-2030 (million barrels per day)

	Low price	Reference	High price
OPEC			
2005	34.0	34.0	34.0
2010	34.7	34.7	31.2
2015	39.3	37.5	29.1
2020	43.9	40.2	29.3
2025	49.2	43.7	31.4
2030	54.7	47.6	33.3
Non-OPEC			
2005	50.3	50.3	50.3
2010	57.5	56.3	55.6
2015	62.1	60.2	60.9
2020	66.2	63.1	64.1
2025	70.1	66.3	66.0
2030	73.4	69.7	68.3

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Table 4. Changes in surface coal mining equipment costs, 2002-2005

Category		2002	2003	2004	2005
Power cranes, draglines, and excavators, including surface mining equipment, and attachments	Million 2005 dollars	2,640.6	2,762.9	2,939.8	3,652.2
	Quantity	178,823	182,065	165,868	196,974
	Index (2002=1.00)	1.00	1.02	0.93	1.10
	Average value (thousand dollars per unit)	14.77	15.18	17.72	18.54
	Constant dollar index (2002=100)	1.00	1.03	1.20	1.26
Excavators, hydraulic operated, more than 40 metric tons	Thousand 2005 dollars	301,650	326,440	421,429	424,010
	Quantity	1,159	1,265	1,662	1,818
	Index (2002=1.00)	1.00	1.09	1.43	1.57
	Average value (thousand dollars per unit)	260.27	258.05	253.57	233.23
	Constant dollar index (2002=1.00)	1.00	0.99	0.97	0.90
Excavators and draglines and some cranes not meeting other category classifications	Thousand 2005 dollars	125,538	139,998	201,910	265,411
	Quantity	777	840	1,036	1,232
	Index (2002=1.00)	1.00	1.08	1.33	1.59
	Average value (thousand dollars per unit)	161.57	166.66	194.89	215.43
	Constant dollar index (2002=1.00)	1.00	1.03	1.21	1.33
Off-highway trucks, coal haulers, truck-type tractor chassis, trailers, and wagons	Thousand 2005 dollars	—	—	208,596	265,506
	Quantity	—	—	3,054	3,845
	Index (2004=1.00)	—	—	1.00	1.26
	Average value (thousand dollars per unit)	—	—	68.30	69.05
	Constant dollar index (2004=1.00)	—	—	1.00	1.01

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Table 5. Miscellaneous electricity uses in the residential sector, 2005, 2015, and 2030 (billion kilowatthours)

Electricity use	2005	2015	2030
Coffee makers	*4.0*	*4.7*	*5.5*
Home audio	*11.8*	*12.6*	*14.0*
Ceiling fans	*16.8*	*20.1*	*23.5*
Microwave ovens	*14.3*	*16.3*	*19.0*
Security systems	*1.9*	*1.8*	*2.4*
Spas	*8.3*	*9.6*	*12.7*
Set-top boxes	*17.1*	*30.0*	*32.7*
Color TVs	*52.1*	*72.9*	*92.5*
Hand-held rechargeable devices	*9.8*	*9.0*	*10.6*
DVRs/VCRs	*15.6*	*12.0*	*9.8*
Total, miscellaneous uses studied	***151.7***	***188.9***	***222.7***
Other miscellaneous uses	*232.5*	*325.2*	*432.7*
Total miscellaneous	***384.2***	***514.1***	***655.4***
Total residential sector electricity use	*1,364.8*	*1,591.2*	*1,896.5*

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Table 6. Electricity use and market share for televisions by type, 2005 and 2015

Television type	Screen size (inches)	Active power draw (watts)	Market share (percent)	
			2005	2015
Analog	<40	86	69	10
	>40	156	16	2
Digital, standard definition	<40	96	<1	34
	>40	166	<1	<1
Digital, enhanced/high definition	<40	150	8	34
	>40	234	8	19

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Table 7. Miscellaneous electricity uses in the commercial sector, 2005, 2015, and 2030 (billion kilowatthours)

Electricity use	2005	2015	2030
Coffee makers	2.7	3.0	3.5
Distribution transformers	54.5	54.6	54.9
Non-road electric vehicles	4.0	5.1	7.1
Magnetic resonance imaging (MRI)	0.6	1.9	4.5
Computed tomography (CT) scanners	0.9	1.8	2.8
X-ray machines	4.0	6.8	12.0
Elevators	4.4	4.7	5.5
Escalators	0.7	0.8	1.0
Water supply: distribution	40.0	42.0	47.0
Water supply: purification	1.1	1.2	1.3
Wastewater treatment	24.5	25.3	27.2
Total, miscellaneous uses studied	***137.4***	***147.2***	***166.8***
Other miscellaneous uses	229.5	357.9	601.6
Total miscellaneous	***366.9***	***505.1***	***768.4***
Total commercial sector electricity use	1,266.7	1,548.2	2,061.6

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Table 8. Revised subgroups for the non-energy-intensive manufacturing industries in AEO2007: energy demand and value of shipments, 2002

Manufacturing group and subgroups	*NAICS code*	*Energy demand (trillion Btu)*	*Value of shipments (billion 2000 dollars)*
Metal-based durables			
Fabricated metals	*332*	*386*	*244.2*
Machinery	*333*	*174*	*250.3*
Computers and electronics	*334*	*211*	*438.9*
Transportation equipment	*336*	*391*	*641.1*
Electrical equipment	*335*	*169*	*91.2*
Total		***1,331***	***1,665.7***
Other non-energy-intensive			
Wood products	*321*	*361*	*91.5*
Plastics and rubber products	*326*	*344*	*172.7*
Balance of manufacturing	*NA*	*1,876*	*918.9*
Total		***2,581***	***1,183.1***

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Table 9. Effects of DOE's loan guarantee program on the economics of electric power plant generating technologies, 2015 (2005 cents per kilowatthour)

Technology	Levelized cost of generation			
	Without loan guarantee	With loan guarantee	Cost reduction	Percent cost reduction
Pulverized coal	*5.36*	*5.36*	*0.00*	*0*
Integrated coal gasification combined cycle (IGCC)	*5.61*	*4.66*	*0.95*	*17*
IGCC with carbon sequestration	*7.37*	*6.03*	*1.34*	*18*
Advanced combined cycle	*5.53*	*5.53*	*0.00*	*0*
Advanced combined cycle with carbon sequestration	*7.59*	*6.70*	*0.89*	*12*
Wind	*6.80*	*5.06*	*1.75*	*26*
Nuclear	*6.33*	*4.78*	*1.55*	*25*

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Table 10. Technically recoverable undiscovered oil and natural gas resources in the lower 48 Outer Continental Shelf as of January 1, 2003

OCS areas	Crude oil (billion barrels)	Natural gas (trillion cubic feet)
Available for leasing and development		
Eastern Gulf of Mexico	2.27	10.14
Central Gulf of Mexico	22.67	113.61
Western Gulf of Mexico	15.98	86.62
Total available	**40.92**	**210.37**
Unavailable for leasing and development		
Washington-Oregon	0.40	2.28
Northern California	2.08	3.58
Central California	2.31	2.41
Southern California	5.58	9.75
Eastern Gulf of Mexico	3.98	22.16
Atlantic	3.82	36.99
Total unavailable	**18.17**	**77.17**
Total Lower 48 OCS	**59.09**	**287.54**

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Table 11. U.S. motor fuels consumption, 2000-2005 (million gallons per year)

	Gasoline	Ethanol	Percent of gasoline pool
2000	128,662	1,630	1.27
2001	129,312	1,770	1.37
2002	132,782	2,130	1.60
2003	134,089	2,800	2.09
2004	137,022	3,400	2.48
2005	136,949	3,904	2.85
	Diesel	**Biodiesel**	**Percent of diesel fuel pool**
2000	37,238	—	—
2001	38,155	9	0.02
2002	38,881	11	0.03
2003	40,856	18	0.04
2004	42,773	28	0.07
2005	43,180	91	0.21

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Table 12. Energy content of biofuels

Fuel	*Btu per gallon (low heating value)*	*Btu per gallon (high heating value)*	*Gallons of gasoline equivalent (high heating value)*
Conventional gasoline	*115,500*	*125,071*	*1.00*
Fuel ethanol (E100)	*76,000*	*84,262*	*0.67*
E85 (74% blend on average)	—	*94,872*	*0.76*
Distillate fuel oil (diesel)	*128,500*	*138,690*	*1.11*
Biodiesel (B100)	*118,296*	*128,520*	*0.95*

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Table 13. U.S. production and values of biofuel co-products

Biofuel feedstock	Co-products	Volume produced (pounds per 100 pounds of feedstock)	Approximate value (dollars per pound)
Ethanol			
Corn, wet mill	Corn gluten feed	24.0	0.033
	Corn gluten meal	4.5	0.135
	Corn oil	2.9	0.260
Corn, dry mill	Dried distillers' grains and solubles	30.5	0.045
Sugar	Sugar stalks, bagasse	27.0	—
Cellulosic ethanol			
Switchgrass Hybrid poplar Forest residue Agricultural residue	Lignin	27.0	—
Biodiesel			
Soybeans	Meal (44-48% protein)	80-82	0.097
Canola	Meal (28-36% protein)	60-62	0.079
Sunflower	Meal (28% protein)	60-63	0.035
Mustard	Meal (28-36% protein)	60-62	—
Cotton	Meal (41% protein)	84-86	0.088
	Crude glycerin	10	0.050

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Table 14. Vehicle fueling stations in the United States as of July 2006

Fuel	*Number of stations*	*Percent of total*
All fuels	*169,000*	*100.0*
Biofuels	*1,767*	*1.0*
E85	*799*	*0.5*
Biodiesel	*968*	*0.5*

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Table 15. Potential U.S. market for biofuel blends, 2005 (billion gallons)

Fuel	*Production*	*Motor fuel consumption*	*Blend*	*Current blend consumption*
Ethanol	*3.90*	*136.9*	*E10*	*13.70*
Biodiesel	*0.08*	*43.2*	*B2*	*0.86*
			B5	*2.16*
			B20	*8.64*