

Released: June 2010

Next MECS will be conducted in 2010

Table 10.1 Nonswitchable Minimum and Maximum Consumption, 2006;
Level: National and Regional Data;
Row: Energy Sources;
Column: Consumption Potential;
Unit: Physical Units.

Energy Sources	Actual Consumption	Minimum Consumption(a)	Maximum Consumption(b)
Total United States			
Electricity Receipts(c) (million kilowatthou	854,102	826,077	889,281
Natural Gas (billion cubic feet)	5,357	4,442	5,649
Distillate Fuel Oil (thousand barrels)	22,139	19,251	101,340
Residual Fuel Oil (thousand barrels)	39,925	25,176	85,318
Coal (thousand short tons)	45,729	35,069	48,146
LPG (thousand barrels)	20,669	17,154	110,964
Northeast Census Region			
Electricity Receipts(c) (million kilowatthou	92,090	89,368	97,762
Natural Gas (billion cubic feet)	480	344	509
Distillate Fuel Oil (thousand barrels)	4,065	3,448	18,053
Residual Fuel Oil (thousand barrels)	10,195	5,317	28,947
Coal (thousand short tons)	3,420	2,432	3,456
LPG (thousand barrels)	3,386	2,915	15,051
Midwest Census Region			
Electricity Receipts(c) (million kilowatthou	273,828	266,039	281,075
Natural Gas (billion cubic feet)	1,537	1,281	1,657
Distillate Fuel Oil (thousand barrels)	4,387	4,152	27,319
Residual Fuel Oil (thousand barrels)	5,950	3,483	12,352
Coal (thousand short tons)	18,143	13,600	19,162
LPG (thousand barrels)	5,431	4,916	33,268
South Census Region			
Electricity Receipts(c) (million kilowatthou	383,995	370,234	402,854
Natural Gas (billion cubic feet)	2,709	2,278	2,813
Distillate Fuel Oil (thousand barrels)	8,237	6,987	43,459
Residual Fuel Oil (thousand barrels)	20,887	15,330	39,761
Coal (thousand short tons)	18,478	14,258	19,818
LPG (thousand barrels)	7,123	5,999	47,265

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West Census Region			
Electricity Receipts(c) (million kilowatthou	104,188	100,437	107,590
Natural Gas (billion cubic feet)	631	539	670
Distillate Fuel Oil (thousand barrels)	5,450	4,663	12,508
Residual Fuel Oil (thousand barrels)	2,894	1,046	4,257
Coal (thousand short tons)	5,688	4,779	5,711
LPG (thousand barrels)	4,728	3,324	15,380

(a) Minimum consumption represents actual 2006 consumption decreased by the quantity of the designated type of energy that would no longer have been required if all ascertained switching from that type of energy had occurred. The minimum value includes the quantity of 2006 consumption for which switching capability was not ascertained.

(b) Maximum consumption represents actual 2006 consumption increased by the quantity of the designated type of energy that would have been required if all ascertained switching into that type of energy had occurred. This value assumes that all indicated substitutions were possible simultaneously and the substitutable amount consists of the sum of all possible switches to the designated type of energy. The estimate assumes that 2006 output remained constant.

(c) 'Electricity Receipts' represents those quantities of electricity generated off the manufacturing establishment site and available at the site for consumption. It includes those quantities for which payment was made, quantities transferred in, quantities purchased and paid for by a central purchasing entity, and quantities for which payment was made in kind. It does not include electricity generated onsite. 'Electricity Receipts' has not been adjusted to account for any quantities that might have been resold or transferred out. The estimates include those quantities that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

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Energy Sources	Actual Consumption	Minimum Consumption(a)	Maximum Consumption(b)
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Notes: To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy Consumption Division, Form EIA-846, '2006 Manufacturing Energy Consumption Survey.'

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**RSE Table 10.1 Relative Standard Errors for Table 10.1;
Unit: Percents.**

Energy Sources	Actual Consumption	Minimum Consumption(a)	Maximum Consumption(b)
Total United States			
Electricity Receipts(c) (million kilowatthou	2.1	2.2	2.1
Natural Gas (billion cubic feet)	1.9	2.0	1.9
Distillate Fuel Oil (thousand barrels)	7.7	8.6	7.6
Residual Fuel Oil (thousand barrels)	3.1	1.9	7.3
Coal (thousand short tons)	1.6	1.7	2.2
LPG (thousand barrels)	4.3	5.1	8.1
Northeast Census Region			
Electricity Receipts(c) (million kilowatthou	4.8	4.9	4.5
Natural Gas (billion cubic feet)	5.4	6.6	5.3
Distillate Fuel Oil (thousand barrels)	15.2	17.3	8.7
Residual Fuel Oil (thousand barrels)	7.0	4.2	19.3
Coal (thousand short tons)	2.6	3.5	2.6
LPG (thousand barrels)	12.4	14.3	9.5
Midwest Census Region			
Electricity Receipts(c) (million kilowatthou	5.8	6.0	5.7
Natural Gas (billion cubic feet)	5.0	5.1	4.7
Distillate Fuel Oil (thousand barrels)	27.2	28.7	24.8
Residual Fuel Oil (thousand barrels)	14.6	3.2	10.8
Coal (thousand short tons)	2.0	0.5	4.4
LPG (thousand barrels)	7.5	8.2	6.7
South Census Region			
Electricity Receipts(c) (million kilowatthou	1.8	1.8	1.7
Natural Gas (billion cubic feet)	2.3	2.2	2.2
Distillate Fuel Oil (thousand barrels)	7.9	9.1	7.5
Residual Fuel Oil (thousand barrels)	2.6	2.7	5.8
Coal (thousand short tons)	3.5	4.1	3.4
LPG (thousand barrels)	8.8	10.3	18.1
West Census Region			

Electricity Receipts(c) (million kilowatthou	2.9	3.0	2.8
Natural Gas (billion cubic feet)	3.0	3.5	2.9
Distillate Fuel Oil (thousand barrels)	15.4	15.9	7.8
Residual Fuel Oil (thousand barrels)	5.6	0.1	3.8
Coal (thousand short tons)	0.3	0.4	0.3
LPG (thousand barrels)	4.8	6.1	5.6

(a) Minimum consumption represents actual 2006 consumption decreased by the quantity of the designated type of energy that would no longer have been required if all ascertained switching from that type of energy had occurred. The minimum value includes the quantity of 2006 consumption for which switching capability was not ascertained.

(b) Maximum consumption represents actual 2006 consumption increased by the quantity of the designated type of energy that would have been required if all ascertained switching into that type of energy had occurred. This value assumes that all indicated substitutions were possible simultaneously and the substitutable amount consists of the sum of all possible switches to the designated type of energy. The estimate assumes that 2006 output remained constant.

(c) 'Electricity Receipts' represents those quantities of electricity generated off the manufacturing establishment site and available at the site for consumption. It includes those quantities for which payment was made, quantities transferred in, quantities purchased and paid for by a central purchasing entity, and quantities for which payment was made in kind. It does not include electricity generated onsite. 'Electricity Receipts' has not been adjusted to account for any quantities that might have been resold or transferred out. The estimates include those quantities that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

X=Not defined because RSE corresponds to a value of zero.

Notes: To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy Consumption Division, Form EIA-846, '2006 Manufacturing Energy Consumption Survey.'