

Released: October 2017

Next MECS will be fielded in 2019

Table 10.1 Nonswitchable Minimum and Maximum Consumption, 2014

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 kilowatthours)	790,140	773,119	806,466
Natural Gas (billion cubic feet)	5,693	5,042	5,870
Distillate Fuel Oil (million barrels)	17	16	61
Residual Fuel Oil (million barrels)	5	4	24
Coal (million short tons)	35	27	37
HGL (excluding natural gasoline) (million barrels)	22	19	101
Northeast Census Region			
Electricity Receipts(c) (million kilowatthours)	78,487	77,229	81,992
Natural Gas (billion cubic feet)	411	330	427
Distillate Fuel Oil (million barrels)	3	2	8
Residual Fuel Oil (million barrels)	2	1	6
Coal (million short tons)	2	1	2
HGL (excluding natural gasoline) (million barrels)	2	2	7
Midwest Census Region			
Electricity Receipts(c) (million kilowatthours)	243,025	237,823	246,743
Natural Gas (billion cubic feet)	1,710	1,521	1,774
Distillate Fuel Oil (million barrels)	4	3	16
Residual Fuel Oil (million barrels)	*	*	5
Coal (million short tons)	15	12	15
HGL (excluding natural gasoline) (million barrels)	9	7	35
South Census Region			
Electricity Receipts(c) (million kilowatthours)	355,343	346,280	363,232
Natural Gas (billion cubic feet)	2,904	2,606	2,969
Distillate Fuel Oil (million barrels)	8	7	30
Residual Fuel Oil (million barrels)	2	2	10
Coal (million short tons)	12	10	13
HGL (excluding natural gasoline) (million barrels)	7	7	43
West Census Region			
Electricity Receipts(c) (million kilowatthours)	113,285	111,787	114,499
Natural Gas (billion cubic feet)	669	586	700
Distillate Fuel Oil (million barrels)	3	3	7
Residual Fuel Oil (million barrels)	1	*	2
Coal (million short tons)	6	4	6
HGL (excluding natural gasoline) (million barrels)	4	4	15

(a) Minimum consumption represents actual 2014 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 2014 consumption for which switching capability was not ascertained.

(b) Maximum consumption represents actual 2014 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 2014 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.

* 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.

Notes: Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 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 kilowatthours)	1.2	1.2	1.2
Natural Gas (billion cubic feet)	0.8	0.8	0.7
Distillate Fuel Oil (million barrels)	5.4	5.7	3.7
Residual Fuel Oil (million barrels)	2.2	2.7	2.7
Coal (million short tons)	1.1	1.3	1.2
HGL (excluding natural gasoline) (million barrels)	2.8	3.1	2.5
Northeast Census Region			
Electricity Receipts(c) (million kilowatthours)	3.9	3.9	3.8
Natural Gas (billion cubic feet)	3.0	3.5	3.0
Distillate Fuel Oil (million barrels)	11.4	11.2	6.3
Residual Fuel Oil (million barrels)	5.3	6.8	2.5
Coal (million short tons)	7.4	5.6	7.9
HGL (excluding natural gasoline) (million barrels)	13.2	16.4	11.9
Midwest Census Region			
Electricity Receipts(c) (million kilowatthours)	2.0	2.0	2.0
Natural Gas (billion cubic feet)	1.8	2.0	1.7
Distillate Fuel Oil (million barrels)	10.1	10.4	4.2
Residual Fuel Oil (million barrels)	7.2	8.9	6.0
Coal (million short tons)	2.3	2.8	2.3
HGL (excluding natural gasoline) (million barrels)	4.4	5.3	4.0
South Census Region			
Electricity Receipts(c) (million kilowatthours)	1.9	1.9	1.8
Natural Gas (billion cubic feet)	0.9	0.9	0.9
Distillate Fuel Oil (million barrels)	8.7	9.4	6.8
Residual Fuel Oil (million barrels)	1.4	1.3	5.1
Coal (million short tons)	1.2	1.1	1.3
HGL (excluding natural gasoline) (million barrels)	4.3	4.2	4.2
West Census Region			
Electricity Receipts(c) (million kilowatthours)	4.3	4.3	4.3
Natural Gas (billion cubic feet)	1.9	2.1	1.8
Distillate Fuel Oil (million barrels)	13.9	14.2	6.8
Residual Fuel Oil (million barrels)	4.5	8.6	1.8
Coal (million short tons)	0.1	0.1	0.1
HGL (excluding natural gasoline) (million barrels)	6.3	6.7	3.4

(a) Minimum consumption represents actual 2014 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 2014 consumption for which switching capability was not ascertained.

(b) Maximum consumption represents actual 2014 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 2014 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.

* 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.

-- Estimation is not applicable. Energy source is not included in series.

Notes: Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey.'