## Released: March 2013 Next MECS will be fielded in 2015 Table 10.7 Number of Establishments with Capability to Switch Electricity to Alternative Energy Sources, 2010; Level: National Data; Row: NAICS Codes; Column: Energy Sources; Unit: Establishment Counts.

			Coal Coke								
NAICS		Total Establishments		Not	Natural	Distillate	Residual			and	
ode(a)	Selected Subsectors and Industry	with Electricity Receipts(d	Switchable	Switchable	Gas	Fuel Oil	Fuel Oil	Coal	LPG	Breeze	Other(e)
		Total United States									
1	Food	13,265	765	11,829	482	292	Q	Q	51	Q	
112	Grain and Oilseed Milling	602	13	580	9	8	W	Q	W	Q	
311221 31131	Wet Corn Milling Sugar Manufacturing	59 73	W	W	W 0	0 W	0	W 0	0	0	
114	Sugar Manuracturing Fruit and Vegetable Preserving and Specialty Foods	73 987	VV 74	875	0	Q	0	0	w	0	
115	Dairy Products	998	57	941	23	40	Ŵ	0	5	0	
116	Animal Slaughtering and Processing	1,709	78	1,541	21	63	0	W	Q	0	
2	Beverage and Tobacco Products	2,093	121	1,844	Q	Q	W	W	W	0	
121	Beverages	2,022 71	W	1,781 63	Q 0	Q 0	W	W 0	W 0	0	
122 3	Tobacco Textile Mills	1.341	Q	1.147	Q	Q	w	0	0	0	
4	Textile Product Mills	3,531	Q	2,614	Q	Ŵ	Ŵ	w	w	0	
5	Apparel	4,193	Q	3,595	W	0	0	0	0	0	
6	Leather and Allied Products	452	Q	340	W	0	0	W	0	0	
1	Wood Products	7,709	229	6,719	81	124	5	W	21	W	
	Sawmills	1,647	124	1,409	Q	69 Q	W	W	6	0 W	
212 321219	Veneer, Plywood, and Engineered Woods Reconstituted Wood Products	1,228 182	Q 3	1,103 180	Q W	Q W	W	W 0	W	VV 0	
219	Other Wood Products	4,515	88	3,909	Ŵ	Q	0	0	w	0	
2	Paper	3,733	125	3,228	92	27	9	Q	Ŵ	Ŵ	
322110	Pulp Mills	41	3	39	W	0	W	0	0	0	
322121	Paper Mills, except Newsprint	204	21	194	15	W	4	6	W	W	
	Newsprint Mills	26	3	24	W	W	W	W	0	0	
322130		177 15,313	14 975	171 12,333	10 793	5 W	W 0	4 W	0 W	0	
23 24	Printing and Related Support Petroleum and Coal Products	2,017	289	1,787	118	200	w	4	21	0	
	Petroleum Refineries	231	49	225	W	200 W	Ŵ	0	15	0	
324121		1,332	225	1,118	70	190	W	W	6	0	
324199		48	4	44	W	0	0	W	0	0	
25	Chemicals	8,287	494	7,321	198	242	Q	Q	46	Q	
325110 325120	Petrochemicals	40 486	5 W	40 441	W	0	W	0 W	0 W	0	
325120 325181	Industrial Gases Alkalies and Chlorine	35	Ŵ	441 W	Ŵ	0	0	Ŵ	0	0	
325182		32	0	31	0	0	0	0	0	0	
325188		470	6	469	Ŵ	3	0	0	0	0	
325192		24	0	24	0	0	0	0	0	0	
325193		185	4	181	W	W	0	0	0	0	
325199		475 744	42 11	466 702	6	Q W	0 W	0	0 W	0	
325211	Plastics Materials and Resins Synthetic Rubber	126	17	111	5	5	vv 0	0 0	0	0	
325222		77	8	74	Ŵ	5	0	w	0	0	
	Nitrogenous Fertilizers	70	W	64	W	0	0	0	0	0	
325312	Phosphatic Fertilizers	65	0	65	0	0	0	0	0	0	
254	Pharmaceuticals and Medicines	1,178	121	1,081	40	105	W	W	Q	W	
325412	•	609	53	564	7	53	W	0	W	0	
325992 6	Photographic Film, Paper, Plate, and Chemicals Plastics and Rubber Products	138 8,268	16 395	126 7,472	6 Q	6 Q	0 Q	w	0 Q	0 W	
.0 !7	Nonmetallic Mineral Products	11,997	841	10,795	383	590	w	0	Q	0	
	Brick and Structural Clay Tile	156	0	149	000	000	0	0	õ	0	
	Flat Glass	51	10	50	W	7	0	0	0	0	
327212	Other Pressed and Blown Glass and Glassware	163	10	159	W	6	0	0	W	0	
327213		68	16	66	6	4	W	0	11	0	
327215		561	8	514	6 W	W	0	0	W	0	
327310 327410		209 83	5 6	166 78	VV 6	VV O	W	0	VV O	0	
	Lime Gypsum	83 138	5	135	W	0	0	0	w	0	
327993		203	0	202	0	ő	ő	0	0	0	
31	Primary Metals	3,196	141	2,987	106	40	W	0	30	0	
	Iron and Steel Mills	427	W	394	17	W	0	0	4	0	
	Electrometallurgical Ferroalloy Products	20	0	20	0	0	0	0	0	0	
3312	Steel Products from Purchased Steel	418	W	408	4	W	0	0	W	0	

Alternative Energy Sources(c)

Electricity Receipts(b)

Table 10.7 Number of Establishments with Capability to Switch Electricity to Alternative Energy Sources, 2010;

Level: National Data; Row: NAICS Codes; Column: Energy Sources;

Unit: Establishment Counts.

NAICS Code(a)	Selected Subsectors and Industry	Total Establishments with Electricity Receipts(d	Switchable	Not Switchable	Natural Gas	Distillate Fuel Oil	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
3313	Alumina and Aluminum	388	19	333	13	w	0	0	w	0	w
331314	Secondary Smelting and Alloying of Aluminum	79	4	72	W	W	0	0	W	0	W
331315	Aluminum Sheet, Plate and Foils	67	W	64	W	0	0	0	0	0	0
331316	Aluminum Extruded Products	133	11	128	7	W	0	0	W	0	0
3314	Nonferrous Metals, except Aluminum	602	24	575	19	6	0	0	W	0	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Al	u 82	8	77	8	W	0	0	W	0	0
3315	Foundries	1,341	74	1,257	53	25	W	0	17	0	W
331511	Iron Foundries	332	11	315	9	7	W	0	W	0	0
331521	Aluminum Die-Casting Foundries	162	Q	127	Q	W	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	271	20	258	9	8	0	0	8	0	W
332	Fabricated Metal Products	32,369	1,104	27,860	623	Q	0	0	W	0	W
333	Machinery	14,370	717	11,798	416	269	Q	W	263	W	Q
334	Computer and Electronic Products	6,685	499	5,639	Q	Q	0	W	0	0	Q
334413	Semiconductors and Related Devices	419	15	408	W	9	0	0	0	0	W
335	Electrical Equip., Appliances, and Components	3,294	Q	3,111	Q	W	0	0	0	0	0
336	Transportation Equipment	6,270	319	5,747	293	226	W	W	Q	0	Q
336111		68	W	W	0	W	0	0	0	0	W
336112	Light Trucks and Utility Vehicles	50	W	38	0	W	0	0	0	0	0
3364	Aerospace Product and Parts	1,077	77	967	56	63	W	0	Q	0	Q
336411	Aircraft	278	20	265	8	17	W	0	W	0	W
337	Furniture and Related Products	8,187	Q	7,008	Q	Q	0	W	W	0	W
339	Miscellaneous	13,491	490	11,573	325	Q	0	W	W	W	W
	Total	170,061	8,176	146,745	4,854	3,007	386	729	1,222	345	1,239

Electricity Receipts(b)

(a) The Bureau of the Census classifies establishments using the North American Industry Classification System (NAICS).

(b) These counts include only those establishments that reported this activity in 2010. (c) 'Alternative Energy Sources' consist of those energy sources that could have been substituted for electricity receipts during 2010. The quantities are expressed in millions of kilowatthours, and therefore represent the quantity of electricity that could have been displaced by the given alternative type of energy.

(d) 'Total 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.

(e) 'Other' includes all other types of energy not already identified that respondents indicated could have been consumed in place of electricity.

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.

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, '2010 Manufacturing

Energy Consumption Survey.'

Alternative Energy Sources(c)

## Released: March 2013 Next MECS will be fielded in 2015 RSE Table 10.7 Relative Standard Errors for Table 10.7; Unit: Percents.

		Electri	Alternative Energy Sources(c)								
					N	Distillers	Desident			Coal Coke	
NAICS Code(a)	Selected Subsectors and Industry	Total Establishments with Electricity Receipts(d	Switchable	Not Switchable	Natural Gas	Distillate Fuel Oil	Residual Fuel Oil	Coal	LPG	and Breeze	Other(e)
		Total United States									
311	Food	0.1	25.2	2.3	35.3	32.7	53.5	56.9	49.5	61.1	57.5
3112	Grain and Oilseed Milling	0.0	26.8	1.1	37.4	46.5	72.4	50.6	72.4	61.1	17.3
311221	Wet Corn Milling	0.0	0.0	0.0	0.0	Х	Х	0.0	Х	Х	)
31131	Sugar Manufacturing	0.0	0.0	0.0	Х	0.0	Х	Х	Х	Х	)
3114	Fruit and Vegetable Preserving and Specialty Foods	0.1	41.5	4.4	72.7	54.6	X	X	92.1	Х	64.0
3115 3116	Dairy Products	0.1 0.0	29.0 35.0	1.9 2.9	24.2 47.3	40.0 41.1	6.7 X	X 92.9	15.5 63.4	X X	84 91.:
3110 312	Animal Slaughtering and Processing Beverage and Tobacco Products	0.0	40.0	3.8	58.5	65.8	66.4	92.9 7.1	88.8	x	67.
3121	Beverages	0.0	40.4	3.9	58.5	65.8	66.4	7.1	88.8	x	68.
3122	Tobacco	0.0	0.0	0.0	X	X	X	X	X	X	0
	Textile Mills	0.0	53.1	5.2	52.6	61.6	86.7	х	х	х	
14	Textile Product Mills	0.0	52.7	11.2	64.8	74.0	93.6	98.3	89.0	Х	93.
	Apparel	0.0	79.6	8.7	79.6	Х	Х	Х	Х	Х	
316	Leather and Allied Products	0.0	63.1	14.4	17.6	Х	х	85.1	х	х	91.
	Wood Products	0.9	23.5	2.6	45.6	29.4	5.3	67.2	44.9	89.8	49.
	Sawmills	0.7 0.0	24.3 56.7	2.8 4.0	63.4 64.4	26.3 65.6	6.4 9.1	77.2 89.8	35.2 76.2	X 89.8	76. 89.
3212 321219	Veneer, Plywood, and Engineered Woods Reconstituted Wood Products	0.0	13.5	4.0	13.5	13.5	9.1 X	69.6 X	76.2 X	69.6 X	69.
321213	Other Wood Products	1.5	49.5	4.3	80.6	74.7	x	x	7.8	x	75.
	Paper	0.0	30.9	4.5	38.3	45.8	0.0	69.6	0.0	0.0	65.
	Pulp Mills	0.0	0.0	0.0	0.0	Х	0.0	Х	Х	Х	
	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
	Newsprint Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	х	Х	
	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Х	Х	0
23	Printing and Related Support	0.0	27.4	3.5	30.7	66.4	X	98.8	92.6	Х	98
24	Petroleum and Coal Products	0.1	11.0	1.9	8.6	15.7	1.9	2.1	8.0	X	13
324110	Petroleum Refineries	0.0 0.1	0.0 14.0	0.0 3.0	0.0 13.5	0.0 16.5	0.0 5.3	X 5.3	0.0 27.2	X X	0 38
324121		0.0	0.0	0.0	0.0	X	3.5 X	0.0	27.2 X	x	0
25	Chemicals	0.1	23.8	2.8	38.5	25.5	66.6	50.9	41.8	66.6	53
	Petrochemicals	0.0	0.0	0.0	0.0	Х	0.0	х	Х	Х	0
325120	Industrial Gases	0.0	42.9	6.8	42.9	х	Х	42.9	42.9	х	
325181	Alkalies and Chlorine	0.0	0.0	0.0	0.0	х	Х	0.0	х	Х	
325182		0.0	Х	0.0	Х	Х	Х	Х	Х	Х	
325188		0.0	11.6	0.1	11.6	11.6	Х	X	x	X	
325192		0.0 0.0	X 4.3	0.0 0.1	X 4.3	X 4.3	X X	x	X X	X X	
325193 325199		0.0	4.3 49.5	0.1	4.3 28.7	4.3 59.1	×	x	x	x	16
325211		0.1	29.7	2.8	29.3	55.0	66.8	x	66.8	x	47
	Synthetic Rubber	0.0	21.1	2.3	29.8	31.2	X	X	X	X	12
	Noncellulosic Organic Fibers	0.0	0.0	0.0	0.0	0.0	Х	0.0	х	х	0
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	Х	х	х	х	Х	
325312		0.0	х	0.0	Х	х	Х	х	х	Х	
3254	Pharmaceuticals and Medicines	0.0	17.7	2.6	37.2	19.0	81.0	93.8	50.6	93.8	74
	Pharmaceutical Preparation	0.0 0.0	19.8 26.6	3.0 3.2	15.0 14.1	19.8 14.1	10.2 X	X 14.1	30.0 X	X X	10 79
325992	Photographic Film, Paper, Plate, and Chemicals Plastics and Rubber Products	0.0	26.6 36.6	3.2 2.7	14.1 50.6	14.1 57.6	x 62.3	14.1 80.5	62.3	× 80.5	79 96
20	Nonmetallic Mineral Products	0.0	26.3	2.7	39.8	32.4	35.0	80.5 X	60.3	80.5 X	90
	Brick and Structural Clay Tile	0.0	20.0 X	1.8	X	X	X	x	X	x	2.
	Flat Glass	0.0	0.0	0.0	0.0	0.0	Х	х	х	Х	
327212		0.0	20.8	1.2	13.2	13.2	х	х	13.2	х	46
327213		0.0	0.0	0.0	0.0	0.0	0.0	Х	0.0	Х	
327215		0.0	8.9	3.1	8.9	8.9	Х	Х	8.9	Х	8
327310		0.1	30.1	9.2	13.2	61.4	59.6	X	13.2	X	
327410		0.0	0.0	0.0	0.0	X	x	x	X	X	
327420		0.0	30.3	0.3	13.9	X	X X	X X	40.8 X	X X	
327993 31	Mineral Wool Primary Metals	0.0 0.1	X 10.0	0.1 1.3	X 12.6	X 10.1	x 54.7	x	× 15.0	X	18
	Iron and Steel Mills	0.0	0.0	0.0	0.0	0.0	54.7 X	x	0.0	x	0
	Electrometallurgical Ferroalloy Products	0.0	X	0.0	X	X	x	x	X	x	0
3312	Steel Products from Purchased Steel	0.0	12.2	1.4	12.2	12.2	Х	Х	12.2	Х	

Alternative Energy Sources(c)

Electricity Receipts(b)

## Released: March 2013 Next MECS will be fielded in 2015 RSE Table 10.7 Relative Standard Errors for Table 10.7;

Unit: Percents.

NAICS Code(a)	Selected Subsectors and Industry	Total Establishments with Electricity Receipts(d	Switchable	Not Switchable	Natural Gas	Distillate Fuel Oil	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	0.0	0.0	х	х	0.0	х	0.0
331315		0.0	0.0	0.0	0.0	Х	Х	Х	Х	Х	Х
331316	Aluminum Extruded Products	0.0	12.9	1.0	5.6	33.3	Х	х	5.6	Х	Х
3314	Nonferrous Metals, except Aluminum	0.0	24.7	2.3	29.9	8.2	Х	х	0.0	Х	Х
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Al	u 0.0	0.0	0.0	0.0	0.0	Х	Х	0.0	Х	Х
3315	Foundries	0.1	17.1	1.5	22.7	15.2	54.7	х	25.2	Х	29.8
331511	Iron Foundries	0.1	28.2	2.3	36.4	44.7	70.6	х	70.6	Х	Х
331521	Aluminum Die-Casting Foundries	0.0	51.0	12.3	60.2	11.7	Х	х	Х	Х	Х
331524	Aluminum Foundries, except Die-Casting	0.1	19.9	1.6	25.8	14.2	Х	х	32.8	Х	12.3
332	Fabricated Metal Products	0.0	33.2	2.6	43.2	55.3	Х	х	77.2	Х	99.4
333	Machinery	0.0	30.4	3.3	39.7	48.1	62.1	69.7	49.4	69.7	56.8
334	Computer and Electronic Products	0.0	34.4	4.4	50.1	54.6	Х	98.6	Х	Х	68.2
334413	Semiconductors and Related Devices	0.0	37.9	1.4	84.5	46.0	Х	х	Х	Х	14.9
335	Electrical Equip., Appliances, and Components	0.0	67.2	3.2	67.2	95.1	Х	х	Х	Х	х
336	Transportation Equipment	0.0	40.5	2.9	44.2	47.6	11.1	73.6	71.5	Х	72.9
336111	Automobiles	0.0	0.0	0.0	Х	0.0	Х	Х	Х	Х	0.0
336112	Light Trucks and Utility Vehicles	0.0	0.0	0.0	Х	0.0	Х	х	Х	Х	Х
3364	Aerospace Product and Parts	0.0	35.5	4.3	48.0	42.9	11.1	Х	76.2	Х	81.8
336411	Aircraft	0.0	21.0	1.3	16.8	22.7	16.8	х	16.8	Х	16.8
337	Furniture and Related Products	0.8	52.3	3.8	56.8	83.5	х	96.5	98.7	Х	98.0
339	Miscellaneous	0.1	37.4	3.0	46.4	64.8	Х	98.8	98.8	98.8	98.8
	Total	0.1	8.8	0.9	11.7	13.1	36.0	30.9	21.0	41.9	23.0

Alternative Energy Sources(c)

Electricity Receipts(b)

(a) The Bureau of the Census classifies establishments using the North American Industry Classification System (NAICS).

(b) These counts include only those establishments that reported this activity in 2010. (c) 'Alternative Energy Sources' consist of those energy sources that could have been substituted for electricity receipts during 2010. The quantities are expressed in millions of kilowatthours, and therefore represent the quantity of electricity that could have been displaced by the given alternative type of energy.

(d) Total 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. (e) Other includes all other types of energy not already identified that

respondents indicated could have been consumed in place of electricity. 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: 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, '2010 Manufacturing Energy Consumption Survey.'