

Table 10.14 Percent of Establishments by Levels of Lowest Price Difference that Would Cause Fuel Switching from Electricity to a Less Expensive Substitute, 2006;
Level: National Data;
Row: NAICS Codes;
Column: Levels of Lowest Price Difference;
Unit: Establishment Counts.

		Levels of Lowest Price Difference that Would Cause a Switch from Electricity(c)							
NAICS Code(a)	Subsector and Industry	Establishments Able to Switch(b)	Would Not Switch Due to Price	1 to 10 Percent	11 to 25 Percent	26 to 50 Percent	Over 50 Percent	Estimate Cannot Be Provided	Would Switch to More Expensive Substitute
Total United States									
311	Food	708	212	Q	76	Q	110	156	Q
3112	Grain and Oilseed Milling	27	Q	W	W	W	0	Q	0
311221	Wet Corn Milling	W	0	0	0	0	0	W	0
31131	Sugar Manufacturing	11	7	0	0	0	W	W	0
3114	Fruit and Vegetable Preserving and Specialty Foods	Q	W	4	W	0	0	Q	0
3115	Dairy Products	57	7	7	6	6	0	Q	8
3116	Animal Slaughtering and Processing	33	13	0	0	0	0	3	Q
312	Beverage and Tobacco Products	177	W	W	Q	Q	0	7	Q
3121	Beverages	177	W	W	Q	Q	0	7	Q
3122	Tobacco	0	0	0	0	0	0	0	0
313	Textile Mills	77	0	Q	0	0	0	Q	0
314	Textile Product Mills	165	Q	W	0	0	W	Q	0
315	Apparel	203	203	0	0	0	0	0	0
316	Leather and Allied Products	Q	W	0	Q	W	0	0	Q
321	Wood Products	353	175	Q	6	9	Q	92	0
321113	Sawmills	94	Q	Q	W	9	Q	11	0
3212	Veneer, Plywood, and Engineered Woods	Q	Q	0	0	0	0	0	0
3219	Other Wood Products	223	105	Q	W	0	W	80	0
322	Paper	89	4	21	11	3	6	20	6
322110	Pulp Mills	4	0	0	0	0	0	4	0
322121	Paper Mills, except Newsprint	27	3	10	6	W	3	W	0
322122	Newsprint Mills	3	0	W	0	0	W	0	0
322130	Paperboard Mills	21	W	7	4	W	W	5	W
323	Printing and Related Support	566	Q	W	0	W	Q	Q	0
324	Petroleum and Coal Products	203	44	14	Q	Q	W	75	W
324110	Petroleum Refineries	44	9	12	4	7	W	6	W
324199	Other Petroleum and Coal Products	5	0	3	0	W	0	W	0
325	Chemicals	394	184	17	24	Q	3	133	0
325110	Petrochemicals	4	0	W	W	0	0	W	0
325120	Industrial Gases	4	0	0	4	0	0	0	0
325181	Alkalies and Chlorine	3	W	0	W	0	0	0	0
325182	Carbon Black	0	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	7	W	W	0	0	W	3	0
325192	Cyclic Crudes and Intermediates	0	0	0	0	0	0	0	0
325193	Ethyl Alcohol	5	W	W	0	W	0	0	0
325199	Other Basic Organic Chemicals	20	W	0	0	W	0	13	0
325211	Plastics Materials and Resins	11	W	0	0	0	0	W	0
325212	Synthetic Rubber	4	0	0	W	0	0	W	0
325222	Noncellulosic Organic Fibers	13	W	6	3	0	0	W	0
325311	Nitrogenous Fertilizers	4	0	0	W	W	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	88	Q	6	10	0	0	Q	0
325412	Pharmaceutical Preparation	31	3	5	9	0	0	12	0
325992	Photographic Film, Paper, Plate, and Chemicals	4	W	W	W	0	0	0	0
326	Plastics and Rubber Products	341	112	Q	Q	0	Q	Q	Q
327	Nonmetallic Mineral Products	376	138	10	Q	Q	0	102	Q
327211	Flat Glass	6	3	W	0	W	0	0	0
327212	Other Pressed and Blown Glass and Glassware	3	W	0	0	0	0	W	0
327213	Glass Containers	12	W	6	0	0	0	W	0
327215	Glass Products from Purchased Glass	17	3	W	Q	0	0	5	W
327310	Cements	10	0	0	W	8	0	W	0
327410	Lime	W	W	0	0	0	0	0	0
327420	Gypsum	0	0	0	0	0	0	0	0
327993	Mineral Wool	W	W	W	0	0	0	0	0
331	Primary Metals	150	53	Q	15	6	Q	35	W
331111	Iron and Steel Mills	W	6	0	0	0	0	W	0
331112	Electrometallurgical Ferroalloy Products	W	W	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	13	W	0	W	0	0	6	0
3313	Alumina and Aluminum	18	12	W	W	0	0	W	0
331314	Secondary Smelting and Alloying of Aluminum	4	W	0	W	0	0	0	0

Table 10.14 Percent of Establishments by Levels of Lowest Price Difference that Would Cause Fuel Switching from Electricity to a Less Expensive Substitute, 2006;
Level: National Data;
Row: NAICS Codes;
Column: Levels of Lowest Price Difference;
Unit: Establishment Counts.

Levels of Lowest Price Difference that Would Cause a Switch from Electricity(c)									
NAICS Code(a)	Subsector and Industry	Establishments Able to Switch(b)	Would Not Switch Due to Price	1 to 10 Percent	11 to 25 Percent	26 to 50 Percent	Over 50 Percent	Estimate Cannot Be Provided	Would Switch to More Expensive Substitute
331315	Aluminum Sheet, Plate and Foils	W	W	0	0	0	0	0	0
331316	Aluminum Extruded Products	8	8	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	60	Q	Q	3	Q	0	Q	0
3315	Foundries	48	17	W	5	3	Q	12	W
331511	Iron Foundries	15	W	0	W	0	0	W	0
331521	Aluminum Die-Casting Foundries	7	W	W	W	0	0	W	W
331524	Aluminum Foundries, except Die-Casting	24	W	0	3	W	Q	9	0
332	Fabricated Metal Products	1,729	398	Q	Q	Q	Q	608	0
333	Machinery	638	Q	Q	248	0	0	Q	0
334	Computer and Electronic Products	461	138	W	Q	0	W	190	W
334413	Semiconductors and Related Devices	17	8	0	W	0	W	5	W
335	Electrical Equip., Appliances, and Components	101	Q	Q	0	0	0	Q	0
336	Transportation Equipment	350	57	Q	Q	Q	Q	98	0
336111	Automobiles	3	0	0	0	W	W	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	79	Q	4	Q	W	Q	10	0
336411	Aircraft	14	3	3	W	W	0	5	0
337	Furniture and Related Products	362	0	Q	Q	Q	0	Q	0
339	Miscellaneous	966	406	Q	Q	Q	0	Q	0
	Total	8,440	2,535	964	1,246	515	495	2,180	130

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

(b) This count includes only those establishments that reported this activity in 2006.

(c) These levels of price difference were estimates at which establishments perceived that they would switch. These levels were not actual values at which switching occurred. The percentage of price difference is computed as the quantity of (current fuel price minus alternative fuel price) divided by the current fuel price, expressed as a percent.

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: 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. Establishment percents may not equal 100 percent because of unknown and/or unreported fuel-switching guesstimate.

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

**RSE Table 10.14 Relative Standard Errors for Table 10.14;
Unit: Percents.**

Levels of Lowest Price Difference that Would Cause a Switch from Electricity(c)

NAICS Code(a)	Subsector and Industry	Establishments Able to Switch(b)	Would Not Switch Due to Price	1 to 10 Percent	11 to 25 Percent	26 to 50 Percent	Over 50 Percent	Estimate Cannot Be Provided	Would Switch to More Expensive Substitute
Total United States									
311	Food	16.1	30.4	65.8	48.4	72.0	46.4	30.1	64.3
3112	Grain and Oilseed Milling	43.5	99.0	9.1	83.2	9.1	X	57.2	X
311221	Wet Corn Milling	0.0	X	X	X	X	X	0.0	X
31131	Sugar Manufacturing	0.0	0.0	X	X	X	0.0	0.0	X
3114	Fruit and Vegetable Preserving and Specialty Foods	52.6	5.4	28.5	5.4	X	X	63.3	X
3115	Dairy Products	26.5	3.2	31.6	45.4	38.8	X	62.4	25.6
3116	Animal Slaughtering and Processing	49.0	33.9	X	X	X	X	34.8	93.6
312	Beverage and Tobacco Products	36.2	8.5	8.5	89.2	65.9	X	8.5	94.6
3121	Beverages	36.2	8.5	8.5	89.2	65.9	X	8.5	94.6
3122	Tobacco	X	X	X	X	X	X	X	X
313	Textile Mills	46.0	X	73.0	X	X	X	59.8	X
314	Textile Product Mills	35.3	51.9	32.3	X	X	4.5	51.9	X
315	Apparel	46.5	46.5	X	X	X	X	X	X
316	Leather and Allied Products	61.1	10.2	X	76.0	54.6	X	X	87.0
321	Wood Products	20.4	30.7	66.3	23.8	39.6	71.4	40.1	X
321113	Sawmills	30.0	52.3	51.1	22.9	39.6	81.7	32.5	X
3212	Veneer, Plywood, and Engineered Woods	76.6	76.6	X	X	X	X	X	X
3219	Other Wood Products	28.0	42.2	79.2	42.5	X	77.5	46.1	X
322	Paper	15.3	1.7	1.3	1.3	1.3	1.2	22.6	49.3
322110	Pulp Mills	0.0	X	X	X	X	X	0.0	X
322121	Paper Mills, except Newsprint	2.5	2.5	2.5	2.5	2.5	2.5	2.5	X
322122	Newsprint Mills	0.0	X	0.0	X	X	0.0	X	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
323	Printing and Related Support	35.4	55.7	93.9	X	69.8	66.3	93.9	X
324	Petroleum and Coal Products	19.0	41.3	0.0	59.6	52.1	0.0	33.9	0.0
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
324199	Other Petroleum and Coal Products	0.0	X	0.0	X	0.0	X	0.0	X
325	Chemicals	20.9	35.3	3.9	13.9	54.8	5.3	37.2	X
325110	Petrochemicals	0.0	X	0.0	0.0	X	X	0.0	X
325120	Industrial Gases	23.0	X	X	23.0	X	X	X	X
325181	Alkalies and Chlorine	0.0	0.0	X	0.0	X	X	X	X
325182	Carbon Black	X	X	X	X	X	X	X	X
325188	Other Basic Inorganic Chemicals	11.1	11.1	11.1	X	X	11.1	11.1	X
325192	Cyclic Crudes and Intermediates	X	X	X	X	X	X	X	X
325193	Ethyl Alcohol	0.0	0.0	0.0	X	0.0	X	X	X
325199	Other Basic Organic Chemicals	25.3	18.2	X	X	5.7	X	36.5	X
325211	Plastics Materials and Resins	33.6	37.7	X	X	X	X	8.4	X
325212	Synthetic Rubber	0.0	X	X	0.0	X	X	0.0	X

**RSE Table 10.14 Relative Standard Errors for Table 10.14;
Unit: Percents.****Levels of Lowest Price Difference that Would Cause a Switch from Electricity(c)**

NAICS Code(a)	Subsector and Industry	Establishments Able to Switch(b)	Would Not Switch Due to Price	1 to 10 Percent	11 to 25 Percent	26 to 50 Percent	Over 50 Percent	Estimate Cannot Be Provided	Would Switch to More Expensive Substitute
325222	Noncellulosic Organic Fibers	0.0	0.0	0.0	0.0	X	X	0.0	X
325311	Nitrogenous Fertilizers	0.0	X	X	0.0	0.0	X	X	X
325312	Phosphatic Fertilizers	X	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	33.5	66.0	10.1	31.4	X	X	57.2	X
325412	Pharmaceutical Preparation	17.4	10.8	12.6	36.5	X	X	24.2	X
325992	Photographic Film, Paper, Plate, and Chemicals	6.9	6.9	6.9	6.9	X	X	X	X
326	Plastics and Rubber Products	24.7	43.9	88.1	50.7	X	88.1	62.2	73.3
327	Nonmetallic Mineral Products	22.9	39.4	13.9	60.2	68.2	X	46.4	80.9
327211	Flat Glass	0.0	0.0	0.0	X	0.0	X	X	X
327212	Other Pressed and Blown Glass and Glassware	13.7	13.7	X	X	X	X	13.7	X
327213	Glass Containers	0.0	0.0	0.0	X	X	X	0.0	X
327215	Glass Products from Purchased Glass	25.4	33.6	60.1	74.7	X	X	30.2	68.0
327310	Cements	12.4	X	X	36.5	11.7	X	16.3	X
327410	Lime	0.0	0.0	X	X	X	X	X	X
327420	Gypsum	X	X	X	X	X	X	X	X
327993	Mineral Wool	11.5	11.5	11.5	X	X	X	X	X
331	Primary Metals	17.0	23.5	76.5	7.0	44.4	89.1	31.2	46.8
331111	Iron and Steel Mills	0.0	0.0	X	X	X	X	0.0	X
331112	Electrometallurgical Ferroalloy Products	0.0	0.0	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	7.4	1.8	X	10.1	X	X	14.1	X
3313	Alumina and Aluminum	12.8	19.6	0.0	0.0	X	X	0.0	X
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	X	0.0	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	X	X	X	X	X	X
331316	Aluminum Extruded Products	29.9	29.9	X	X	X	X	X	X
3314	Nonferrous Metals, except Aluminum	39.0	80.7	86.7	10.6	76.6	X	91.4	X
3315	Foundries	20.7	32.7	12.9	16.2	6.5	89.1	25.3	46.8
331511	Iron Foundries	38.2	45.2	X	8.1	X	X	8.1	X
331521	Aluminum Die-Casting Foundries	26.6	12.9	12.9	12.9	X	X	67.0	46.8
331524	Aluminum Foundries, except Die-Casting	33.1	6.3	X	27.6	6.3	89.1	31.0	X
332	Fabricated Metal Products	19.9	42.9	55.5	53.9	96.4	96.4	33.6	X
333	Machinery	31.0	91.6	91.6	49.7	X	X	89.5	X
334	Computer and Electronic Products	20.8	39.1	59.1	58.0	X	1.8	32.3	1.8
334413	Semiconductors and Related Devices	8.9	18.0	X	1.8	X	1.8	1.8	1.8
335	Electrical Equip., Appliances, and Components	36.5	67.6	75.9	X	X	X	52.2	X
336	Transportation Equipment	21.6	47.1	54.1	63.5	75.2	59.6	42.6	X
336111	Automobiles	1.4	X	X	X	1.4	1.4	X	X
336112	Light Trucks and Utility Vehicles	X	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	35.5	71.3	3.0	65.7	0.0	91.0	5.4	X
336411	Aircraft	0.0	0.0	0.0	0.0	0.0	X	0.0	X
337	Furniture and Related Products	41.8	X	86.5	79.5	86.5	X	86.5	X
339	Miscellaneous	25.7	40.4	92.8	52.9	92.8	X	62.6	X

**RSE Table 10.14 Relative Standard Errors for Table 10.14;
Unit: Percents.**

Levels of Lowest Price Difference that Would Cause a Switch from Electricity(c)									
NAICS Code(a)	Subsector and Industry	Establishments Able to Switch(b)	Would Not Switch Due to Price	1 to 10 Percent	11 to 25 Percent	26 to 50 Percent	Over 50 Percent	Estimate Cannot Be Provided	Would Switch to More Expensive Substitute
	Total	7.1	12.9	22.6	19.4	29.1	31.2	13.8	38.4

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

(b) This count includes only those establishments that reported this activity in 2006.

(c) These levels of price difference were estimates at which establishments perceived that they would switch. These levels were not actual values at which switching occurred. The percentage of price difference is computed as the quantity of (current fuel price minus alternative fuel price) divided by the current fuel price, expressed as a percent.

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. Establishment percents may not equal 100 percent because of unknown and/or unreported fuel-switching guesstimate.

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