

**Table 10.17 Percent of Establishments by Levels of Lowest Price Difference that Would Cause Fuel Switching from LPG to a Less Expensive Substitute, 2006;**  
**Level: National Data;**  
**Row: NAICS Codes;**  
**Column: Levels of Lowest Price Difference;**  
**Unit: Establishment Counts.**

NAICS Code(a)	Subsector and Industry	Establishments Able to Switch(b)	Levels of Lowest Price Difference that Would Cause a Switch from LPG(c)					Estimate Cannot Be Provided	Would Switch to More Expensive Substitute
			Would Not Switch Due to Price	1 to 10 Percent	11 to 25 Percent	26 to 50 Percent	Over 50 Percent		
<b>Total United States</b>									
311	Food	325	63	W	Q	Q	W	W	Q
3112	Grain and Oilseed Milling	36	Q	0	Q	W	W	Q	0
311221	Wet Corn Milling	W	0	0	0	W	0	W	0
31131	Sugar Manufacturing	4	4	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	37	0	W	Q	W	0	Q	0
3115	Dairy Products	5	0	W	0	0	0	W	0
3116	Animal Slaughtering and Processing	67	Q	Q	Q	Q	0	Q	0
312	Beverage and Tobacco Products	143	0	4	Q	Q	Q	Q	0
3121	Beverages	139	0	4	Q	W	Q	W	0
3122	Tobacco	4	0	0	0	W	0	W	0
313	Textile Mills	W	0	Q	W	0	Q	0	Q
314	Textile Product Mills	157	W	69	0	0	Q	Q	W
315	Apparel	Q	0	W	0	0	0	W	0
316	Leather and Allied Products	W	0	0	W	0	0	0	0
321	Wood Products	629	83	66	85	140	Q	211	0
321113	Sawmills	63	Q	W	6	W	W	18	0
3212	Veneer, Plywood, and Engineered Woods	103	4	Q	Q	Q	0	Q	0
3219	Other Wood Products	457	Q	Q	Q	95	Q	149	0
322	Paper	236	Q	64	28	21	W	68	W
322110	Pulp Mills	W	0	W	0	0	0	0	W
322121	Paper Mills, except Newsprint	13	W	W	3	4	W	0	0
322122	Newsprint Mills	W	0	W	0	0	0	0	0
322130	Paperboard Mills	5	0	W	W	W	0	W	0
323	Printing and Related Support	417	Q	Q	Q	Q	Q	Q	0
324	Petroleum and Coal Products	89	25	W	Q	W	0	13	9
324110	Petroleum Refineries	37	6	W	7	W	0	12	3
324199	Other Petroleum and Coal Products	3	0	0	W	0	0	W	0
325	Chemicals	228	Q	W	Q	Q	8	79	W
325110	Petrochemicals	0	0	0	0	0	0	0	0
325120	Industrial Gases	W	0	0	0	0	W	0	0
325181	Alkalies and Chlorine	0	0	0	0	0	0	0	0
325182	Carbon Black	0	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	20	W	W	0	Q	W	7	0
325192	Cyclic Crudes and Intermediates	0	0	0	0	0	0	0	0
325193	Ethyl Alcohol	4	0	W	0	0	0	W	0
325199	Other Basic Organic Chemicals	18	3	Q	W	0	W	9	0
325211	Plastics Materials and Resins	11	Q	0	0	W	W	0	0
325212	Synthetic Rubber	6	W	0	0	0	0	0	W
325222	Noncellulosic Organic Fibers	4	W	W	0	0	0	W	0
325311	Nitrogenous Fertilizers	3	0	0	0	W	0	W	0
325312	Phosphatic Fertilizers	3	W	0	0	W	0	0	0
3254	Pharmaceuticals and Medicines	Q	W	0	0	0	W	Q	0
325412	Pharmaceutical Preparation	4	W	0	0	0	W	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	W	0	0	0	0	0	W	0
326	Plastics and Rubber Products	590	Q	Q	Q	0	Q	281	Q
327	Nonmetallic Mineral Products	351	93	W	79	Q	Q	Q	W
327211	Flat Glass	7	W	W	0	0	0	3	0
327212	Other Pressed and Blown Glass and Glassware	Q	W	0	W	0	Q	W	0
327213	Glass Containers	0	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	28	Q	0	Q	W	W	10	W
327310	Cements	3	W	W	W	0	0	0	0
327410	Lime	W	0	0	W	0	0	0	0
327420	Gypsum	Q	Q	0	0	0	0	0	0
327993	Mineral Wool	6	3	0	W	0	0	W	0
331	Primary Metals	163	38	14	31	18	22	22	7

**Table 10.17 Percent of Establishments by Levels of Lowest Price Difference that Would Cause Fuel Switching from LPG to a Less Expensive Substitute, 2006;****Level: National Data;****Row: NAICS Codes;****Column: Levels of Lowest Price Difference;****Unit: Establishment Counts.**

NAICS Code(a)	Subsector and Industry	Establishments Able to Switch(b)	Levels of Lowest Price Difference that Would Cause a Switch from LPG(c)					Estimate Cannot Be Provided	Would Switch to More Expensive Substitute
			Would Not Switch Due to Price	1 to 10 Percent	11 to 25 Percent	26 to 50 Percent	Over 50 Percent		
331111	Iron and Steel Mills	17	W	0	3	W	4	W	W
331112	Electrometallurgical Ferroalloy Products	W	W	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	W	7	W	5	0	0	W	0
3313	Alumina and Aluminum	24	5	W	6	W	3	W	W
331314	Secondary Smelting and Alloying of Aluminum	4	W	0	W	0	W	0	0
331315	Aluminum Sheet, Plate and Foils	W	0	0	W	0	0	0	W
331316	Aluminum Extruded Products	9	W	W	3	0	0	0	0
3314	Nonferrous Metals, except Aluminum	Q	W	0	Q	Q	0	W	0
3315	Foundries	84	Q	9	5	7	Q	15	W
331511	Iron Foundries	21	W	4	4	W	0	W	W
331521	Aluminum Die-Casting Foundries	8	W	W	W	0	0	3	0
331524	Aluminum Foundries, except Die-Casting	25	W	W	0	W	Q	3	Q
332	Fabricated Metal Products	1,099	Q	Q	0	Q	Q	Q	Q
333	Machinery	399	Q	0	Q	Q	0	Q	0
334	Computer and Electronic Products	132	W	Q	Q	W	0	0	0
334413	Semiconductors and Related Devices	W	W	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	73	0	Q	0	0	0	Q	Q
336	Transportation Equipment	401	W	88	90	W	89	96	0
336111	Automobiles	3	0	0	0	W	0	W	0
336112	Light Trucks and Utility Vehicles	4	0	0	0	0	0	3	0
3364	Aerospace Product and Parts	12	W	0	0	Q	W	Q	0
336411	Aircraft	5	W	0	0	W	W	0	0
337	Furniture and Related Products	341	Q	Q	43	Q	Q	Q	0
339	Miscellaneous	347	Q	0	0	0	Q	Q	Q
	Total	6,242	1,170	653	741	602	823	1,705	292

(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 10.17 Relative Standard Errors for Table 10.17;  
Unit: Percents.****Levels of Lowest Price Difference that Would Cause a Switch from LPG(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
<b>Total United States</b>									
311	Food	22.9	49.7	64.2	55.6	66.3	76.0	34.3	73.5
3112	Grain and Oilseed Milling	43.1	100.3	X	81.2	0.0	76.0	54.2	X
311221	Wet Corn Milling	0.0	X	X	X	0.0	X	0.0	X
31131	Sugar Manufacturing	0.0	0.0	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Foods	49.0	X	5.4	59.5	5.4	X	59.4	X
3115	Dairy Products	14.1	X	16.1	X	X	X	28.1	X
3116	Animal Slaughtering and Processing	45.1	70.9	50.3	71.7	91.4	X	56.3	X
312	Beverage and Tobacco Products	40.1	X	36.9	64.8	84.6	94.6	75.4	X
3121	Beverages	41.3	X	36.9	64.8	90.9	94.6	77.8	X
3122	Tobacco	0.0	X	X	X	0.0	X	0.0	X
313	Textile Mills	43.7	X	60.2	58.5	X	72.6	X	71.4
314	Textile Product Mills	27.3	61.3	14.3	X	X	73.9	73.9	27.1
315	Apparel	78.0	X	6.8	X	X	X	81.4	X
316	Leather and Allied Products	10.2	X	X	10.2	X	X	X	X
321	Wood Products	14.7	39.4	46.6	43.9	29.5	65.6	26.9	X
321113	Sawmills	33.2	60.7	4.3	4.3	10.9	4.3	39.7	X
3212	Veneer, Plywood, and Engineered Woods	30.6	24.3	59.3	65.2	51.1	X	52.8	X
3219	Other Wood Products	18.5	57.6	52.2	54.6	38.1	68.0	34.4	X
322	Paper	20.1	54.0	34.5	44.4	34.8	2.0	47.5	49.9
322110	Pulp Mills	0.0	X	0.0	X	X	X	X	0.0
322121	Paper Mills, except Newsprint	2.5	2.5	2.5	2.5	2.5	2.5	X	X
322122	Newsprint Mills	0.0	X	0.0	X	X	X	X	X
322130	Paperboard Mills	0.0	X	0.0	0.0	0.0	X	0.0	X
323	Printing and Related Support	37.4	62.8	87.8	81.2	86.8	93.9	70.6	X
324	Petroleum and Coal Products	24.1	48.9	0.0	52.1	0.0	X	0.0	43.9
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	X	0.0	0.0
324199	Other Petroleum and Coal Products	0.0	X	X	0.0	X	X	0.0	X
325	Chemicals	28.9	58.5	22.8	65.9	59.8	14.7	48.2	0.0
325110	Petrochemicals	X	X	X	X	X	X	X	X
325120	Industrial Gases	2.1	X	X	X	X	2.1	X	X
325181	Alkalies and Chlorine	X	X	X	X	X	X	X	X
325182	Carbon Black	X	X	X	X	X	X	X	X
325188	Other Basic Inorganic Chemicals	41.2	11.1	11.1	X	90.8	11.1	18.7	X
325192	Cyclic Crudes and Intermediates	X	X	X	X	X	X	X	X
325193	Ethyl Alcohol	0.0	X	0.0	X	X	X	0.0	X
325199	Other Basic Organic Chemicals	24.1	5.7	54.0	5.7	X	5.7	45.2	X
325211	Plastics Materials and Resins	44.0	59.3	X	X	41.5	8.4	X	X
325212	Synthetic Rubber	0.0	0.0	X	X	X	X	X	0.0

**RSE Table 10.17 Relative Standard Errors for Table 10.17;  
Unit: Percents.**

Levels of Lowest Price Difference that Would Cause a Switch from LPG(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	X	X	X	0.0	X
325311	Nitrogenous Fertilizers	0.0	X	X	X	0.0	X	0.0	X
325312	Phosphatic Fertilizers	0.0	0.0	X	X	0.0	X	X	X
3254	Pharmaceuticals and Medicines	75.3	45.8	X	X	X	47.7	89.2	X
325412	Pharmaceutical Preparation	34.0	45.8	X	X	X	47.7	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	6.9	X	X	X	X	X	6.9	X
326	Plastics and Rubber Products	18.7	62.2	88.1	50.7	X	50.7	27.5	88.1
327	Nonmetallic Mineral Products	22.3	42.7	17.7	49.7	79.3	62.9	50.4	7.8
327211	Flat Glass	0.0	0.0	0.0	X	X	X	0.0	X
327212	Other Pressed and Blown Glass and Glassware	52.5	13.7	X	13.7	X	91.8	13.7	X
327213	Glass Containers	X	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	25.1	50.3	X	79.4	7.8	7.8	26.7	7.8
327310	Cements	17.5	11.7	36.5	16.3	X	X	X	X
327410	Lime	0.0	X	X	0.0	X	X	X	X
327420	Gypsum	88.3	88.3	X	X	X	X	X	X
327993	Mineral Wool	11.5	11.5	X	11.5	X	X	11.5	X
331	Primary Metals	13.2	36.2	15.6	34.4	28.0	34.8	22.7	36.1
331111	Iron and Steel Mills	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0
331112	Electrometallurgical Ferroalloy Products	0.0	0.0	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	5.7	8.5	18.7	10.1	X	X	1.8	X
3313	Alumina and Aluminum	3.2	2.9	19.3	3.7	0.0	0.0	0.0	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	X	0.0	X	0.0	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	X	X	0.0	X	X	X	0.0
331316	Aluminum Extruded Products	8.2	6.6	19.3	6.6	X	X	X	X
3314	Nonferrous Metals, except Aluminum	59.9	10.6	X	91.4	85.4	X	10.6	X
3315	Foundries	21.6	65.6	23.5	20.2	29.2	51.2	32.5	56.8
331511	Iron Foundries	27.5	8.1	13.0	8.1	8.1	X	8.1	8.1
331521	Aluminum Die-Casting Foundries	18.7	12.9	12.9	60.0	X	X	12.9	X
331524	Aluminum Foundries, except Die-Casting	32.4	6.3	6.3	X	6.3	55.6	6.3	76.9
332	Fabricated Metal Products	25.2	55.5	68.1	X	63.5	55.5	68.1	96.4
333	Machinery	37.7	69.5	X	91.6	89.6	X	63.9	X
334	Computer and Electronic Products	40.8	16.0	59.1	83.8	83.8	X	X	X
334413	Semiconductors and Related Devices	16.0	16.0	X	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	45.3	X	70.4	X	X	X	54.5	66.5
336	Transportation Equipment	21.1	78.4	47.4	46.4	42.6	46.5	43.5	X
336111	Automobiles	1.4	X	X	X	1.4	X	1.4	X
336112	Light Trucks and Utility Vehicles	0.0	X	X	X	X	X	0.0	X
3364	Aerospace Product and Parts	36.7	0.0	X	X	54.0	0.0	83.2	X
336411	Aircraft	0.0	0.0	X	X	0.0	0.0	X	X
337	Furniture and Related Products	36.6	61.8	63.2	49.1	66.1	84.1	84.5	X
339	Miscellaneous	45.2	92.8	X	X	X	92.8	92.8	86.5

**RSE Table 10.17 Relative Standard Errors for Table 10.17;  
Unit: Percents.**

		Levels of Lowest Price Difference that Would Cause a Switch from LPG(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	7.6	18.9	20.7	17.3	22.8	23.7	14.4	40.5

(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.'