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Next MECS will be fielded in 2019

Table 10.18 Percent of Establishments by Levels of Price Difference that Would Cause Fuel Switching from Distillate Fuel Oil to a Less Expensive Substitute, 2014;

Level: National Data;
 Row: NAICS Codes;
 Column: Levels of Price Difference;
 Unit: Establishment Counts.

		Levels of Price Difference that Would Cause a Switch from Distillate Fuel Oil(c)						Would Switch to More Expensive Substitute	
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	88	16	25	15	W	W	18	0
3112	Grain and Oilseed Milling	15	3	W	W	W	0	W	0
311221	Wet Corn Milling	W	0	0	W	W	0	0	0
31131	Sugar Manufacturing	W	0	0	0	0	0	W	0
3114	Fruit and Vegetable Preserving and Specialty Food	20	W	8	W	W	0	W	0
3115	Dairy Product	W	0	W	W	0	W	W	0
3116	Animal Slaughtering and Processing	19	W	0	W	W	0	10	0
312	Beverage and Tobacco Products	9	W	0	W	W	W	0	0
3121	Beverages	W	W	0	W	0	W	0	0
3122	Tobacco	W	W	0	0	W	0	0	0
313	Textile Mills	Q	0	W	W	0	0	0	0
314	Textile Product Mills	21	W	W	0	0	W	W	0
315	Apparel	W	W	0	0	0	0	W	0
316	Leather and Allied Products	0	0	0	0	0	0	0	0
321	Wood Products	154	24	Q	10	W	W	W	0
321113	Sawmills	36	24	W	W	0	0	W	0
3212	Veneer, Plywood, and Engineered Woods	7	0	0	W	W	0	0	0
321219	Reconstituted Wood Products	W	0	0	W	0	0	0	0
3219	Other Wood Products	W	0	W	W	0	W	0	0
322	Paper	85	Q	27	W	W	5	Q	W
322110	Pulp Mills	W	W	0	0	W	0	W	0
322121	Paper Mills, except Newsprint	11	W	4	W	0	W	0	W
322122	Newsprint Mills	W	0	0	0	0	0	W	0
322130	Paperboard Mills	11	0	3	W	W	W	4	0
323	Printing and Related Support	W	W	0	0	W	0	0	0
324	Petroleum and Coal Products	109	32	22	20	0	W	W	W
324110	Petroleum Refineries	4	W	0	0	0	W	W	0
324121	Asphalt Paving Mixture and Block	95	W	W	W	0	0	W	W
324122	Asphalt Shingle and Coating Materials	W	0	W	0	0	0	0	0
324199	Other Petroleum and Coal Products	W	0	0	W	0	0	0	0
325	Chemicals	150	28	Q	10	4	5	Q	6
325110	Petrochemicals	W	W	0	0	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0	0	0
325180	Other Basic Inorganic Chemicals	3	W	0	0	0	0	0	W
325193	Ethyl Alcohol	W	0	0	0	0	0	W	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	20	9	W	W	W	0	W	W
325211	Plastics Materials and Resins	12	6	W	0	0	W	W	0
325212	Synthetic Rubber	0	0	0	0	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	8	W	W	W	0	0	W	W
325311	Nitrogenous Fertilizers	0	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	24	8	W	4	W	W	5	W
325412	Pharmaceutical Preparation	17	W	W	W	W	W	W	W
325992	Photographic Film, Paper, Plate, and Chemicals	W	0	0	0	W	0	0	0
326	Plastics and Rubber Products	Q	W	W	0	W	0	W	0
327	Nonmetallic Mineral Products	Q	Q	W	4	W	0	Q	W
327120	Clay Building Material and Refractories	6	W	0	W	0	0	W	W
327211	Flat Glass	W	W	0	0	0	0	W	0
327212	Other Pressed and Blown Glass and Glassware	W	0	0	W	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	W	W	0	0	0	0	0	0
327310	Cements	5	0	0	W	W	0	W	0
327410	Lime	0	0	0	0	0	0	0	0
327420	Gypsum	0	0	0	0	0	0	0	0
327993	Mineral Wool	W	W	0	0	0	0	0	0
331	Primary Metals	58	7	6	9	W	W	11	W
331110	Iron and Steel Mills and Ferroalloys	5	W	W	0	0	0	W	0
3312	Steel Products from Purchased Steel	W	0	0	W	0	0	W	0
3313	Alumina and Aluminum	5	W	0	0	0	0	W	0
331314	Secondary Smelting and Alloying of Aluminum	W	W	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	W	W	0	0	0	0	W	0
3314	Nonferrous Metals, except Aluminum	W	0	W	0	W	0	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0	0	0	0	0	0	0	0
3315	Foundries	39	W	W	W	W	W	5	W
331511	Iron Foundries	W	0	0	0	0	W	W	0
331523	Nonferrous Metal Die-Casting Foundries	W	W	0	0	0	0	W	0
331524	Aluminum Foundries, except Die-Casting	W	0	W	W	0	0	0	0
332	Fabricated Metal Products	W	0	0	0	W	0	0	0
333	Machinery	Q	W	0	0	W	0	0	0
334	Computer and Electronic Products	Q	Q	W	0	0	0	W	W
334413	Semiconductors and Related Devices	5	W	W	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	W	W	0	0	0	0	0	0
336	Transportation Equipment	Q	Q	W	W	W	W	W	0
336111	Automobiles	W	0	0	0	0	W	0	0
336112	Light Trucks and Utility Vehicles	W	0	0	W	0	0	0	0
3364	Aerospace Product and Parts	Q	W	0	0	0	0	W	0
336411	Aircraft	0	0	0	0	0	0	0	0
337	Furniture and Related Products	0	0	0	0	0	0	0	0
339	Miscellaneous	W	0	W	0	0	0	W	0
	Total	1,472	302	419	119	Q	48	297	48

(a) The Bureau of the Census classifies establishments using the 2012 North American Industry Classification System (NAICS).
 (b) This count includes only those establishments that reported this activity in 2014.
 (c) These levels of price difference were guestimates 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.
 * 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. Establishment percents may not equal 100 percent because of unknown and/or unreported fuel-switching guesstimate.
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 10.18 Relative Standard Errors for Table 10.18;

Unit: Percents.

Levels of Price Difference that Would Cause a Switch from Distillate Fuel Oil(c)

NAICS Code(a)	Subsector and Industry	Establishments Able to Switch(b)	Would Not Switch Due to Price					Estimate Cannot Be Provided	Would Switch to More Expensive Substitute
			1 to 10 Percent	11 to 25 Percent	26 to 50 Percent	Over 50 Percent			
Total United States									
311	Food	16.6	44.2	46.1	24.8	9.1	66.6	16.3	X
3112	Grain and Oilseed Milling	23.0	9.1	63.6	46.6	4.7	X	9.1	X
311221	Wet Corn Milling	0.0	X	X	0.0	0.0	X	X	X
31131	Sugar Manufacturing	0.1	X	X	X	X	X	0.1	X
3114	Fruit and Vegetable Preserving and Specialty Food	21.0	9.2	40.0	52.4	9.2	X	9.2	X
3115	Dairy Product	52.0	X	72.1	7.1	X	66.6	7.1	X
3116	Animal Slaughtering and Processing	16.9	7.1	X	7.1	21.3	X	29.1	X
312	Beverage and Tobacco Products	10.6	29.0	X	7.0	0.1	7.0	X	X
3121	Beverages	14.5	50.0	X	7.0	X	7.0	X	X
3122	Tobacco	0.1	0.1	X	X	0.1	X	X	X
313	Textile Mills	66.4	X	87.2	78.6	X	X	X	X
314	Textile Product Mills	39.8	16.9	40.7	X	X	84.0	74.8	X
315	Apparel	52.9	72.8	X	X	X	X	57.3	X
316	Leather and Allied Products	X	X	X	X	X	X	X	X
321	Wood Products	49.1	35.9	80.9	21.0	56.5	96.6	84.8	X
321113	Sawmills	28.2	35.9	5.5	17.1	X	X	84.8	X
3212	Veneer, Plywood, and Engineered Woods	45.9	X	X	48.1	76.8	X	X	X
321219	Reconstituted Wood Products	17.7	X	X	17.7	X	X	X	X
3219	Other Wood Products	68.3	X	82.2	45.9	X	96.6	X	X
322	Paper	36.4	63.9	42.3	0.1	0.0	5.3	77.7	0.1
322110	Pulp Mills	0.0	0.0	X	X	0.0	X	0.0	X
322121	Paper Mills, except Newsprint	0.1	0.1	0.1	0.1	X	0.1	X	0.1
322122	Newsprint Mills	0.0	X	X	X	X	X	0.0	X
322130	Paperboard Mills	0.0	X	0.0	0.0	0.0	0.0	0.0	X
323	Printing and Related Support	77.5	93.9	X	X	72.2	X	X	X
324	Petroleum and Coal Products	11.6	17.5	11.9	41.4	X	36.2	30.3	28.6
324110	Petroleum Refineries	36.2	36.2	X	X	X	36.2	36.2	X
324121	Asphalt Paving Mixture and Block	11.8	18.0	12.6	46.9	X	X	15.0	28.6
324122	Asphalt Shingle and Coating Materials	4.0	X	4.0	X	X	X	X	X
324199	Other Petroleum and Coal Products	0.0	X	0.0	0.0	X	X	X	X
325	Chemicals	28.2	16.0	65.8	6.3	10.8	26.8	52.8	6.4
325110	Petrochemicals	26.6	26.6	X	X	X	X	X	X
325120	Industrial Gases	X	X	X	X	X	X	X	X
325180	Other Basic Inorganic Chemicals	12.7	12.7	X	X	X	X	X	12.7
325193	Ethyl Alcohol	7.3	X	X	X	X	X	7.3	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	X	X	X	X	X	X	X	X
325199	Other Basic Organic Chemicals	22.9	43.8	12.4	12.4	12.4	X	12.4	12.4
325211	Plastics Materials and Resins	20.0	32.3	8.1	X	X	59.7	27.0	X
325212	Synthetic Rubber	X	X	X	X	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	0.0	0.0	X	X	0.0	0.0
325311	Nitrogenous Fertilizers	X	X	X	X	X	X	X	X
325312	Phosphatic Fertilizers	X	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	11.2	11.1	13.9	10.8	17.6	18.2	12.7	13.9
325412	Pharmaceutical Preparation	14.2	13.9	13.9	13.9	17.6	18.2	15.4	13.9
325992	Photographic Film, Paper, Plate, and Chemicals	25.5	X	X	X	25.5	X	X	X
326	Plastics and Rubber Products	53.1	69.7	79.2	X	80.0	X	5.7	X
327	Nonmetallic Mineral Products	57.3	79.6	93.9	13.4	86.2	X	92.8	24.6
327120	Clay Building Material and Refractories	10.5	8.3	X	8.3	X	X	8.3	24.6
327211	Flat Glass	0.0	0.0	X	X	X	X	0.0	X
327212	Other Pressed and Blown Glass and Glassware	21.2	X	X	21.2	X	X	X	X
327213	Glass Containers	X	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	10.6	10.6	X	X	X	X	X	X
327310	Cements	41.2	X	X	31.9	31.9	X	54.7	X
327410	Lime	X	X	X	X	X	X	X	X
327420	Gypsum	X	X	X	X	X	X	X	X
327993	Mineral Wool	24.9	24.9	X	X	X	X	X	X
331	Primary Metals	24.6	15.5	4.7	34.4	46.9	41.6	17.3	91.4
331110	Iron and Steel Mills and Ferroalloys	3.3	3.3	3.3	X	X	X	3.3	X
3312	Steel Products from Purchased Steel	60.7	X	X	81.9	X	X	23.5	X
3313	Alumina and Aluminum	32.0	5.0	X	X	X	X	68.5	X
331314	Secondary Smelting and Alloying of Aluminum	0.1	0.1	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	X	X	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	43.8	10.0	X	X	X	X	68.5	X
3314	Nonferrous Metals, except Aluminum	43.9	X	10.4	X	66.3	X	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	X	X	X	X	X	X	X	X
3315	Foundries	35.1	31.0	7.9	26.7	17.6	41.6	24.2	91.4
331511	Iron Foundries	50.9	X	X	X	X	70.1	58.2	X
331523	Nonferrous Metal Die-Casting Foundries	36.8	59.5	X	X	X	X	9.6	X
331524	Aluminum Foundries, except Die-Casting	7.9	X	7.9	7.9	X	X	X	X
332	Fabricated Metal Products	95.7	X	X	X	95.7	X	X	X
333	Machinery	70.7	91.5	X	X	99.1	X	X	X
334	Computer and Electronic Products	52.6	74.1	20.1	X	X	X	52.1	93.0
334413	Semiconductors and Related Devices	20.1	20.1	20.1	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	88.9	88.9	X	X	X	X	X	X
336	Transportation Equipment	61.1	63.9	95.5	62.4	99.4	0.0	53.5	X
336111	Automobiles	0.0	X	X	X	X	0.0	X	X
336112	Light Trucks and Utility Vehicles	0.0	X	X	0.0	X	X	X	X
3364	Aerospace Product and Parts	68.7	87.6	X	X	X	X	53.5	X
336411	Aircraft	X	X	X	X	X	X	X	X
337	Furniture and Related Products	X	X	X	X	X	X	X	X
339	Miscellaneous	60.8	X	72.0	X	X	X	97.5	X
	Total	15.3	20.3	32.2	22.0	51.2	41.3	37.3	35.7

(a) The Bureau of the Census classifies establishments using the 2012 North American Industry Classification System (NAICS).
 (b) This count includes only those establishments that reported this activity in 2014.
 (c) These levels of price difference were guesstimates 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.
 * 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.

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