

**Table 10.8 Capability to Switch Distillate Fuel Oil to Alternative Energy Sources, 2010;****Level: National and Regional Data;****Row: NAICS Codes, Value of Shipments and Employment Sizes;****Column: Energy Sources;****Unit: Million Barrels.**

NAICS Code(a)	Selected Subsectors and Industry	Distillate Fuel Oil				Alternative Energy Sources(b)					
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
<b>Total United States</b>											
311	Food	4	*	3	*	*	*	0	*	0	*
3112	Grain and Oilseed Milling	*	*	*	*	*	*	0	*	0	*
311221	Wet Corn Milling	*	*	*	*	0	0	0	*	0	0
31131	Sugar Manufacturing	*	*	*	0	0	0	0	0	0	*
3114	Fruit and Vegetable Preserving and Specialty Foods	Q	*	Q	*	*	0	0	*	0	*
3115	Dairy Products	*	*	*	*	*	*	0	*	0	*
3116	Animal Slaughtering and Processing	1	*	1	*	*	*	0	*	0	*
312	Beverage and Tobacco Products	*	*	*	*	*	*	*	0	0	0
3121	Beverages	*	*	*	*	*	*	*	0	0	0
3122	Tobacco	*	*	*	*	*	0	0	0	0	0
313	Textile Mills	*	*	*	*	*	*	0	*	0	*
314	Textile Product Mills	*	*	*	0	0	0	0	0	0	0
315	Apparel	*	0	*	0	0	0	0	0	0	0
316	Leather and Allied Products	*	*	*	0	0	*	0	0	0	0
321	Wood Products	4	*	3	*	*	*	0	*	0	*
321113	Sawmills	Q	*	Q	*	*	*	0	*	0	*
3212	Veneer, Plywood, and Engineered Woods	*	*	*	*	*	*	0	*	0	*
321219	Reconstituted Wood Products	*	*	*	0	*	0	0	0	0	0
3219	Other Wood Products	1	*	1	0	*	0	*	*	0	*
322	Paper	1	*	1	*	*	*	*	*	0	*
322110	Pulp Mills	*	*	*	0	*	0	0	0	0	0
322121	Paper Mills, except Newsprint	*	*	*	*	*	*	*	0	0	*
322122	Newsprint Mills	*	*	*	0	*	0	*	0	0	0
322130	Paperboard Mills	*	*	*	*	*	*	*	*	0	*
323	Printing and Related Support	*	0	*	0	0	0	0	0	0	0
324	Petroleum and Coal Products	4	1	3	*	1	*	0	*	0	*
324110	Petroleum Refineries	2	*	2	*	*	0	*	*	0	*
324121	Asphalt Paving Mixture and Block	2	1	1	*	1	*	0	*	0	*
324199	Other Petroleum and Coal Products	*	0	*	0	0	0	0	0	0	0
325	Chemicals	1	*	1	*	*	*	*	*	*	*
325110	Petrochemicals	*	*	*	0	*	*	0	0	0	0
325120	Industrial Gases	*	0	*	0	0	0	0	0	0	0
325181	Alkalies and Chlorine	*	*	*	0	*	0	0	0	0	*
325182	Carbon Black	*	*	*	*	*	0	0	*	0	*
325188	Other Basic Inorganic Chemicals	*	*	*	*	*	*	0	*	0	*
325192	Cyclic Crudes and Intermediates	*	*	*	0	*	0	0	0	0	0
325193	Ethyl Alcohol	*	*	*	*	*	*	*	*	0	*
325199	Other Basic Organic Chemicals	*	*	*	*	*	0	*	*	*	*
325211	Plastics Materials and Resins	*	*	*	0	*	0	0	0	0	0
325212	Synthetic Rubber	*	*	*	0	0	0	*	0	0	0
325222	Noncellulosic Organic Fibers	*	*	*	*	*	0	0	0	0	0
325311	Nitrogenous Fertilizers	*	*	*	*	*	0	0	0	0	*
325312	Phosphatic Fertilizers	*	*	*	*	*	0	0	0	0	0
3254	Pharmaceuticals and Medicines	*	*	*	*	*	*	0	*	0	0
325412	Pharmaceutical Preparation	*	*	*	*	*	*	0	*	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	*	*	*	0	*	0	0	*	0	*
326	Plastics and Rubber Products	*	*	*	0	*	0	0	0	0	0
327	Nonmetallic Mineral Products	4	*	4	*	*	*	*	*	0	*
327121	Brick and Structural Clay Tile	*	*	*	0	*	*	0	*	0	*
327211	Flat Glass	*	*	*	*	*	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	*	*	*	*	*	0	0	0	0	0
327213	Glass Containers	*	*	*	*	*	0	0	*	0	0
327215	Glass Products from Purchased Glass	*	*	*	*	*	0	0	*	0	0
327310	Cements	*	*	*	0	*	*	*	*	0	*
327410	Lime	1	*	1	*	*	0	0	0	0	0
327420	Gypsum	*	*	*	0	*	0	0	*	0	0
327993	Mineral Wool	*	0	*	0	0	0	0	0	0	0

**Table 10.8 Capability to Switch Distillate Fuel Oil to Alternative Energy Sources, 2010;****Level: National and Regional Data;****Row: NAICS Codes, Value of Shipments and Employment Sizes;****Column: Energy Sources;****Unit: Million Barrels.**

NAICS Code(a)	Selected Subsectors and Industry	Distillate Fuel Oil			Alternative Energy Sources(b)						
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
331	Primary Metals	2	*	1	*	*	*	0	*	0	*
331111	Iron and Steel Mills	1	*	1	*	*	0	0	*	0	*
331112	Electrometallurgical Ferroalloy Products	*	*	*	0	0	0	0	*	0	0
3312	Steel Products from Purchased Steel	*	*	*	*	0	*	0	*	0	*
3313	Alumina and Aluminum	*	*	*	*	*	*	0	*	0	*
331314	Secondary Smelting and Alloying of Aluminum	*	*	*	0	*	0	0	*	0	*
331315	Aluminum Sheet, Plate and Foils	*	*	*	0	*	0	0	*	0	0
331316	Aluminum Extruded Products	*	*	*	*	0	*	0	0	0	*
3314	Nonferrous Metals, except Aluminum	*	*	*	*	*	*	0	*	0	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Al	*	0	*	0	0	0	0	0	0	0
3315	Foundries	*	*	*	*	*	*	0	*	0	0
331511	Iron Foundries	*	*	*	*	*	0	0	*	0	0
331521	Aluminum Die-Casting Foundries	*	0	*	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	*	*	*	*	0	0	*	0	0
332	Fabricated Metal Products	*	*	*	*	*	0	0	0	0	*
333	Machinery	1	*	1	*	0	0	0	0	0	0
334	Computer and Electronic Products	*	*	*	*	*	0	0	0	0	*
334413	Semiconductors and Related Devices	*	*	*	0	*	0	0	0	0	*
335	Electrical Equip., Appliances, and Components	*	*	*	*	*	0	0	*	0	0
336	Transportation Equipment	*	*	*	*	*	0	0	*	0	*
336111	Automobiles	*	*	*	*	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	*	*	*	*	0	0	0	0	0	0
3364	Aerospace Product and Parts	*	*	*	*	*	0	0	0	0	0
336411	Aircraft	*	*	*	0	*	*	0	0	0	0
337	Furniture and Related Products	*	*	*	0	*	*	0	*	0	0
339	Miscellaneous	*	*	*	*	*	0	0	*	0	*
	Total	22	2	19	1	2	*	*	*	*	*
<b>Northeast Census Region</b>											
311	Food	1	*	1	*	*	0	0	*	0	*
3112	Grain and Oilseed Milling	*	0	*	0	0	0	0	0	0	0
311221	Wet Corn Milling	0	0	0	0	0	0	0	0	0	0
31131	Sugar Manufacturing	*	0	*	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	*	*	*	*	*	0	0	*	0	*
3115	Dairy Products	*	*	*	*	*	0	0	0	0	*
3116	Animal Slaughtering and Processing	*	*	*	*	*	0	0	0	0	0
312	Beverage and Tobacco Products	*	*	*	*	*	0	0	0	0	0
3121	Beverages	*	*	*	0	*	0	0	0	0	0
3122	Tobacco	*	*	*	*	*	0	0	0	0	0
313	Textile Mills	*	*	*	0	*	0	0	0	0	0
314	Textile Product Mills	*	*	0	0	0	0	*	0	0	0
315	Apparel	0	0	0	0	0	0	0	0	0	0
316	Leather and Allied Products	*	*	*	0	0	0	0	0	0	0
321	Wood Products	*	*	*	*	*	0	0	*	0	*
321113	Sawmills	*	*	*	*	*	0	0	*	0	*
3212	Veneer, Plywood, and Engineered Woods	*	*	*	*	*	0	0	*	0	0
321219	Reconstituted Wood Products	*	0	*	0	0	0	0	0	0	0
3219	Other Wood Products	*	*	*	0	0	0	0	0	0	*
322	Paper	*	*	*	*	*	*	0	0	0	0
322110	Pulp Mills	*	0	*	0	0	0	0	0	0	0
322121	Paper Mills, except Newsprint	*	*	*	*	*	*	0	0	0	0
322122	Newsprint Mills	*	0	*	0	0	0	0	0	0	0
322130	Paperboard Mills	*	0	*	0	0	0	0	0	0	0
323	Printing and Related Support	*	0	*	0	0	0	0	0	0	0
324	Petroleum and Coal Products	2	*	1	*	*	0	*	0	0	*
324110	Petroleum Refineries	1	*	1	*	*	0	*	0	0	0
324121	Asphalt Paving Mixture and Block	1	*	*	*	*	0	*	0	0	*
324199	Other Petroleum and Coal Products	*	0	*	0	0	0	0	0	0	0

**Table 10.8 Capability to Switch Distillate Fuel Oil to Alternative Energy Sources, 2010;****Level: National and Regional Data;****Row: NAICS Codes, Value of Shipments and Employment Sizes;****Column: Energy Sources;****Unit: Million Barrels.**

NAICS Code(a)	Selected Subsectors and Industry	Distillate Fuel Oil				Alternative Energy Sources(b)					
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
325	Chemicals	*	*	*	*	*	*	0	*	0	*
325110	Petrochemicals	*	*	0	0	*	0	0	0	0	0
325120	Industrial Gases	*	0	*	0	0	0	0	0	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	0	0
325188	Other Basic Inorganic Chemicals	*	*	*	0	*	*	0	*	0	0
325192	Cyclic Crudes and Intermediates	*	0	*	0	0	0	0	0	0	0
325193	Ethyl Alcohol	*	0	*	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	*	*	*	0	*	0	0	0	0	0
325211	Plastics Materials and Resins	*	*	*	0	*	0	0	0	0	0
325212	Synthetic Rubber	0	0	0	0	0	0	0	0	0	0
325222	Noncellulosic Organic Fibers	*	0	*	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	*	0	*	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	*	*	*	*	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	*	*	*	0	*	0	0	0	0	0
325412	Pharmaceutical Preparation	*	*	*	0	*	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	*	*	*	0	0	0	*	0	*	*
326	Plastics and Rubber Products	*	*	*	0	*	0	0	0	0	0
327	Nonmetallic Mineral Products	1	*	*	*	*	*	0	*	0	0
327121	Brick and Structural Clay Tile	*	*	*	0	*	*	0	*	0	0
327211	Flat Glass	*	0	*	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	*	*	*	*	*	0	0	*	0	0
327213	Glass Containers	*	0	*	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	*	*	*	*	0	0	0	0	0	0
327310	Cements	*	*	*	0	*	0	0	0	0	0
327410	Lime	*	*	*	*	*	0	0	0	0	0
327420	Gypsum	*	0	*	0	0	0	0	0	0	0
327993	Mineral Wool	*	0	*	0	0	0	0	0	0	0
331	Primary Metals	*	*	*	*	*	*	0	*	0	0
331111	Iron and Steel Mills	*	0	*	0	0	0	0	0	0	0
331112	Electrometallurgical Ferroalloy Products	*	*	*	0	0	0	0	*	0	0
3312	Steel Products from Purchased Steel	*	0	*	0	0	0	0	0	0	0
3313	Alumina and Aluminum	*	*	*	0	*	*	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	*	*	*	0	*	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	*	0	*	0	0	0	0	0	0	0
331316	Aluminum Extruded Products	*	*	*	0	*	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	*	*	*	0	*	0	0	0	0	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Al	*	0	*	0	0	0	0	0	0	0
3315	Foundries	*	*	*	*	*	*	0	*	0	0
331511	Iron Foundries	*	*	*	*	*	0	0	*	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	*	*	*	*	0	0	*	0	0
332	Fabricated Metal Products	*	*	*	*	*	0	0	0	0	0
333	Machinery	*	0	*	0	0	0	0	0	0	0
334	Computer and Electronic Products	*	0	*	0	0	0	0	0	0	0
334413	Semiconductors and Related Devices	*	0	*	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	*	*	*	*	*	0	0	0	0	0
336	Transportation Equipment	*	*	*	*	*	0	0	0	0	0
336111	Automobiles	0	0	0	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	*	*	*	*	*	0	0	0	0	0
336411	Aircraft	*	*	*	0	0	*	0	0	0	0
337	Furniture and Related Products	*	0	*	0	0	0	0	0	0	0
339	Miscellaneous	*	*	*	*	*	0	0	*	0	*
	Total	4	1	4	*	1	*	*	*	0	*

**Midwest Census Region**

311	Food	*	*	*	*	*	*	0	*	0	*
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**Table 10.8 Capability to Switch Distillate Fuel Oil to Alternative Energy Sources, 2010;****Level: National and Regional Data;****Row: NAICS Codes, Value of Shipments and Employment Sizes;****Column: Energy Sources;****Unit: Million Barrels.**

NAICS Code(a)	Selected Subsectors and Industry	Distillate Fuel Oil				Alternative Energy Sources(b)					
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
3112	Grain and Oilseed Milling	*	*	*	*	*	*	0	*	0	*
311221	Wet Corn Milling	*	*	*	*	0	0	0	*	0	0
31131	Sugar Manufacturing	*	*	*	0	0	0	0	0	0	*
3114	Fruit and Vegetable Preserving and Specialty Foods	*	*	*	0	0	0	0	0	0	*
3115	Dairy Products	*	*	*	0	*	*	*	0	0	*
3116	Animal Slaughtering and Processing	*	*	*	*	*	0	0	*	0	0
312	Beverage and Tobacco Products	*	*	*	0	*	0	*	0	0	0
3121	Beverages	*	*	*	0	*	0	*	0	0	0
3122	Tobacco	0	0	0	0	0	0	0	0	0	0
313	Textile Mills	*	*	*	0	0	*	0	0	0	*
314	Textile Product Mills	0	0	0	0	0	0	0	0	0	0
315	Apparel	0	0	0	0	0	0	0	0	0	0
316	Leather and Allied Products	*	0	*	0	0	0	0	0	0	0
321	Wood Products	1	*	*	*	*	0	0	*	0	*
321113	Sawmills	Q	*	*	*	0	0	0	0	0	0
3212	Veneer, Plywood, and Engineered Woods	*	*	*	0	*	0	0	0	0	*
321219	Reconstituted Wood Products	*	*	*	0	*	0	0	0	0	0
3219	Other Wood Products	*	*	*	0	*	0	0	0	0	*
322	Paper	*	*	*	*	*	0	*	*	0	*
322110	Pulp Mills	*	0	*	0	0	0	0	0	0	0
322121	Paper Mills, except Newsprint	*	*	*	0	*	0	*	0	0	*
322122	Newsprint Mills	*	0	*	0	0	0	0	0	0	0
322130	Paperboard Mills	*	*	*	0	*	0	*	0	0	0
323	Printing and Related Support	*	0	*	0	0	0	0	0	0	0
324	Petroleum and Coal Products	*	*	*	*	*	0	*	0	0	0
324110	Petroleum Refineries	*	0	*	0	0	0	0	0	0	0
324121	Asphalt Paving Mixture and Block	*	*	*	*	*	0	*	0	0	0
324199	Other Petroleum and Coal Products	*	0	*	0	0	0	0	0	0	0
325	Chemicals	*	*	*	*	*	*	*	0	0	*
325110	Petrochemicals	*	0	*	0	0	0	0	0	0	0
325120	Industrial Gases	*	0	*	0	0	0	0	0	0	0
325181	Alkalies and Chlorine	*	0	*	0	0	0	0	0	0	0
325182	Carbon Black	*	*	*	*	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	*	*	*	0	*	0	0	0	0	0
325192	Cyclic Crudes and Intermediates	*	0	*	0	0	0	0	0	0	0
325193	Ethyl Alcohol	*	*	*	*	*	*	*	0	0	*
325199	Other Basic Organic Chemicals	*	0	*	0	0	0	0	0	0	0
325211	Plastics Materials and Resins	*	*	*	0	*	0	0	0	0	0
325212	Synthetic Rubber	*	*	*	0	0	0	*	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	*	*	*	*	*	0	0	0	0	*
325312	Phosphatic Fertilizers	*	0	*	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	*	*	*	*	*	0	0	0	0	0
325412	Pharmaceutical Preparation	*	*	*	*	*	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	*	0	0	0	0	0	0	0
326	Plastics and Rubber Products	*	0	*	0	0	0	0	0	0	0
327	Nonmetallic Mineral Products	1	*	1	*	*	0	0	*	0	*
327121	Brick and Structural Clay Tile	*	0	*	0	0	0	0	0	0	0
327211	Flat Glass	*	*	*	0	*	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	*	*	*	*	*	0	0	0	0	0
327213	Glass Containers	*	*	*	*	*	0	0	*	0	0
327215	Glass Products from Purchased Glass	*	*	*	*	*	0	0	*	0	0
327310	Cements	*	*	*	0	0	0	0	0	0	*
327410	Lime	*	0	*	0	0	0	0	0	0	0
327420	Gypsum	*	0	*	0	0	0	0	0	0	0
327993	Mineral Wool	*	0	*	0	0	0	0	0	0	0
331	Primary Metals	1	*	1	*	*	*	*	0	0	*
331111	Iron and Steel Mills	1	*	1	*	*	0	0	*	0	*
331112	Electrometallurgical Ferroalloy Products	*	0	*	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	*	*	*	0	0	*	0	0	0	0

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NAICS Code(a)	Selected Subsectors and Industry	Distillate Fuel Oil				Alternative Energy Sources(b)						
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)	
3313	Alumina and Aluminum	*	*	*	*	*	*	*	0	*	0	*
331314	Secondary Smelting and Alloying of Aluminum	*	*	*	0	0	0	0	*	0	*	
331315	Aluminum Sheet, Plate and Foils	*	*	*	0	*	*	0	*	0	0	
331316	Aluminum Extruded Products	*	*	*	*	0	0	0	0	0	0	
3314	Nonferrous Metals, except Aluminum	*	0	*	0	0	0	0	0	0	0	
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Al	*	0	*	0	0	0	0	0	0	0	
3315	Foundries	*	*	*	*	*	0	0	*	0	0	
331511	Iron Foundries	*	*	*	*	*	0	0	*	0	0	
331521	Aluminum Die-Casting Foundries	*	0	*	0	0	0	0	0	0	0	
331524	Aluminum Foundries, except Die-Casting	*	*	*	*	*	0	0	*	0	0	
332	Fabricated Metal Products	*	*	*	*	0	0	0	0	0	0	
333	Machinery	*	0	*	0	0	0	0	0	0	0	
334	Computer and Electronic Products	*	*	*	*	*	0	0	0	0	0	
334413	Semiconductors and Related Devices	*	*	*	0	*	0	0	0	0	0	
335	Electrical Equip., Appliances, and Components	*	*	*	0	*	0	*	*	0	0	
336	Transportation Equipment	*	*	*	*	*	0	*	*	0	*	
336111	Automobiles	*	*	*	*	0	0	0	0	0	0	
336112	Light Trucks and Utility Vehicles	*	*	*	*	0	0	0	0	0	0	
3364	Aerospace Product and Parts	*	*	*	0	*	*	0	0	0	0	
336411	Aircraft	*	*	*	0	*	*	0	0	0	0	
337	Furniture and Related Products	*	*	*	0	*	0	0	0	0	0	
339	Miscellaneous	*	0	*	0	0	0	0	0	0	0	
	Total	4	*	3	*	*	*	*	*	0	*	
<b>South Census Region</b>												
311	Food	1	*	1	*	*	*	0	*	0	*	
3112	Grain and Oilseed Milling	*	0	*	0	0	0	0	0	0	0	
311221	Wet Corn Milling	*	0	*	0	0	0	0	0	0	0	
31131	Sugar Manufacturing	*	0	*	0	0	0	0	0	0	0	
3114	Fruit and Vegetable Preserving and Specialty Foods	*	*	*	*	*	0	0	0	0	0	
3115	Dairy Products	*	*	*	*	*	0	0	0	0	0	
3116	Animal Slaughtering and Processing	*	*	*	0	*	*	*	*	0	*	
312	Beverage and Tobacco Products	*	*	*	*	*	0	0	0	0	0	
3121	Beverages	*	*	*	*	*	0	0	0	0	0	
3122	Tobacco	*	*	*	*	*	0	0	0	0	0	
313	Textile Mills	*	*	*	*	*	0	0	*	0	0	
314	Textile Product Mills	*	0	*	0	0	0	0	0	0	0	
315	Apparel	*	0	*	0	0	0	0	0	0	0	
316	Leather and Allied Products	*	0	*	0	0	0	0	0	0	0	
321	Wood Products	1	*	1	*	0	0	0	*	0	0	
321113	Sawmills	*	*	*	*	0	0	0	*	0	0	
3212	Veneer, Plywood, and Engineered Woods	*	*	*	0	0	0	0	*	0	0	
321219	Reconstituted Wood Products	*	0	*	0	0	0	0	0	0	0	
3219	Other Wood Products	*	0	*	0	0	0	0	0	0	0	
322	Paper	1	*	1	*	*	*	*	*	0	0	
322110	Pulp Mills	*	*	*	0	*	0	0	0	0	0	
322121	Paper Mills, except Newsprint	*	*	*	0	*	0	0	0	0	0	
322122	Newsprint Mills	*	*	*	0	*	0	0	0	0	0	
322130	Paperboard Mills	*	*	*	*	*	*	*	*	0	0	
323	Printing and Related Support	*	0	*	0	0	0	0	0	0	0	
324	Petroleum and Coal Products	1	*	1	*	*	*	0	*	0	0	
324110	Petroleum Refineries	*	*	*	*	0	0	0	0	0	0	
324121	Asphalt Paving Mixture and Block	1	*	1	*	*	*	0	*	0	0	
324199	Other Petroleum and Coal Products	*	0	*	0	0	0	0	0	0	0	
325	Chemicals	1	*	1	*	*	*	*	*	*	*	
325110	Petrochemicals	*	*	*	0	0	*	0	0	0	0	
325120	Industrial Gases	*	0	*	0	0	0	0	0	0	0	
325181	Alkalies and Chlorine	*	*	*	0	*	0	0	0	0	*	

**Table 10.8 Capability to Switch Distillate Fuel Oil to Alternative Energy Sources, 2010;****Level: National and Regional Data;****Row: NAICS Codes, Value of Shipments and Employment Sizes;****Column: Energy Sources;****Unit: Million Barrels.**

NAICS Code(a)	Selected Subsectors and Industry	Distillate Fuel Oil				Alternative Energy Sources(b)					
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
325182	Carbon Black	*	*	*	0	*	0	0	*	0	*
325188	Other Basic Inorganic Chemicals	*	*	*	*	*	0	0	*	0	*
325192	Cyclic Crudes and Intermediates	*	*	*	0	*	0	0	0	0	0
325193	Ethyl Alcohol	*	*	*	0	*	0	0	0	0	0
325199	Other Basic Organic Chemicals	*	*	*	*	*	0	0	*	*	*
325211	Plastics Materials and Resins	*	*	*	0	*	0	0	0	0	0
325212	Synthetic Rubber	*	0	*	0	0	0	0	0	0	0
325222	Noncellulosic Organic Fibers	*	*	*	*	*	0	0	0	0	0
325311	Nitrogenous Fertilizers	*	*	*	0	0	0	0	0	0	*
325312	Phosphatic Fertilizers	*	0	*	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	*	*	*	*	*	*	0	*	0	0
325412	Pharmaceutical Preparation	*	*	*	*	*	*	0	*	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	*	*	*	0	*	0	0	0	0	0
326	Plastics and Rubber Products	*	*	*	0	*	0	0	0	0	0
327	Nonmetallic Mineral Products	2	*	2	*	*	*	*	0	*	*
327121	Brick and Structural Clay Tile	*	*	*	0	*	0	0	*	0	*
327211	Flat Glass	*	*	*	0	*	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	*	0	*	0	0	0	0	0	0	0
327213	Glass Containers	*	0	*	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	*	0	*	0	0	0	0	0	0	0
327310	Cements	*	*	*	0	*	*	*	*	0	*
327410	Lime	1	0	1	0	0	0	0	0	0	0
327420	Gypsum	*	*	*	0	*	0	0	*	0	0
327993	Mineral Wool	*	0	*	0	0	0	0	0	0	0
331	Primary Metals	1	*	1	*	*	0	0	*	0	*
331111	Iron and Steel Mills	*	*	*	*	*	0	0	*	0	0
331112	Electrometallurgical Ferroalloy Products	*	0	*	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	*	0	*	0	0	0	0	0	0	0
3313	Alumina and Aluminum	*	*	*	0	0	0	0	*	0	*
331314	Secondary Smelting and Alloying of Aluminum	*	0	*	0	0	0	0	*	0	0
331315	Aluminum Sheet, Plate and Foils	*	0	*	0	0	0	0	0	0	0
331316	Aluminum Extruded Products	*	*	*	0	0	0	0	0	0	*
3314	Nonferrous Metals, except Aluminum	*	0	*	0	0	0	0	0	0	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Al	*	0	*	0	0	0	0	0	0	0
3315	Foundries	*	*	*	*	*	0	0	*	0	0
331511	Iron Foundries	*	*	*	*	0	0	0	*	0	0
331521	Aluminum Die-Casting Foundries	*	0	*	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	0	*	0	0	0	0	0	0	0
332	Fabricated Metal Products	*	0	*	0	0	0	0	0	0	0
333	Machinery	*	*	*	*	0	0	0	0	0	0
334	Computer and Electronic Products	*	0	*	0	0	0	0	0	0	0
334413	Semiconductors and Related Devices	*	0	*	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	*	0	*	0	0	0	0	0	0	0
336	Transportation Equipment	*	*	*	0	*	0	0	*	0	0
336111	Automobiles	*	0	*	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	*	0	*	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	*	*	*	0	*	0	0	0	0	0
336411	Aircraft	*	0	*	0	0	0	0	0	0	0
337	Furniture and Related Products	*	*	*	0	*	*	0	*	0	0
339	Miscellaneous	*	*	*	0	*	0	0	0	0	0
	Total	8	1	7	*	1	*	*	*	*	*
<b>West Census Region</b>											
311	Food	2	*	2	*	*	*	0	*	0	*
3112	Grain and Oilseed Milling	*	*	*	*	*	0	0	0	0	0
311221	Wet Corn Milling	*	0	*	0	0	0	0	0	0	0
31131	Sugar Manufacturing	*	0	*	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	Q	*	Q	0	*	0	0	0	0	*

**Table 10.8 Capability to Switch Distillate Fuel Oil to Alternative Energy Sources, 2010;****Level: National and Regional Data;****Row: NAICS Codes, Value of Shipments and Employment Sizes;****Column: Energy Sources;****Unit: Million Barrels.**

NAICS Code(a)	Selected Subsectors and Industry	Distillate Fuel Oil				Alternative Energy Sources(b)					
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
3115	Dairy Products	*	*	*	*	*	*	0	*	0	0
3116	Animal Slaughtering and Processing	*	*	*	0	*	0	0	0	0	0
312	Beverage and Tobacco Products	*	*	*	*	*	0	0	0	0	0
3121	Beverages	*	*	*	*	*	0	0	0	0	0
3122	Tobacco	0	0	0	0	0	0	0	0	0	0
313	Textile Mills	*	0	*	0	0	0	0	0	0	0
314	Textile Product Mills	*	0	*	0	0	0	0	0	0	0
315	Apparel	0	0	0	0	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0	0	0	0	0
321	Wood Products	Q	*	Q	*	*	0	*	0	0	*
321113	Sawmills	Q	*	Q	*	0	*	*	0	0	0
3212	Veneer, Plywood, and Engineered Woods	*	*	*	0	*	0	0	*	0	0
321219	Reconstituted Wood Products	*	0	*	0	0	0	0	0	0	0
3219	Other Wood Products	*	*	*	0	*	0	0	*	0	*
322	Paper	*	*	*	0	*	0	*	0	0	*
322110	Pulp Mills	*	0	*	0	0	0	0	0	0	0
322121	Paper Mills, except Newsprint	*	0	*	0	0	0	0	0	0	0
322122	Newsprint Mills	*	*	*	0	*	0	*	0	0	0
322130	Paperboard Mills	*	*	*	0	*	0	0	0	0	*
323	Printing and Related Support	0	0	0	0	0	0	0	0	0	0
324	Petroleum and Coal Products	1	*	*	*	*	*	0	*	0	*
324110	Petroleum Refineries	1	*	*	*	*	0	0	0	0	*
324121	Asphalt Paving Mixture and Block	*	*	*	*	*	0	*	0	0	0
324199	Other Petroleum and Coal Products	*	0	*	0	0	0	0	0	0	0
325	Chemicals	*	*	*	*	*	0	0	0	0	0
325110	Petrochemicals	0	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0	0	0	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	*	0	*	0	0	0	0	0	0	0
325192	Cyclic Crudes and Intermediates	*	0	*	0	0	0	0	0	0	0
325193	Ethyl Alcohol	*	0	*	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	*	0	*	0	0	0	0	0	0	0
325211	Plastics Materials and Resins	*	0	*	0	0	0	0	0	0	0
325212	Synthetic Rubber	*	0	*	0	0	0	0	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	*	*	*	*	0	0	0	0	0	0
325312	Phosphatic Fertilizers	*	0	*	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	*	0	*	0	0	0	0	0	0	0
325412	Pharmaceutical Preparation	*	0	*	0	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	*	*	*	0	*	0	0	0	0	0
326	Plastics and Rubber Products	*	0	*	0	0	0	0	0	0	0
327	Nonmetallic Mineral Products	1	*	1	*	*	0	0	*	0	*
327121	Brick and Structural Clay Tile	*	0	*	0	0	0	0	0	0	0
327211	Flat Glass	*	*	*	*	*	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	*	0	*	0	0	0	0	0	0	0
327213	Glass Containers	*	*	*	*	*	0	0	*	0	0
327215	Glass Products from Purchased Glass	*	0	*	0	0	0	0	0	0	0
327310	Cements	*	*	*	0	0	0	0	0	0	*
327410	Lime	*	0	*	0	0	0	0	0	0	0
327420	Gypsum	*	0	*	0	0	0	0	0	0	0
327993	Mineral Wool	*	0	*	0	0	0	0	0	0	0
331	Primary Metals	*	*	*	*	*	*	0	*	0	*
331111	Iron and Steel Mills	*	*	*	0	0	0	0	*	0	0
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	*	*	*	*	0	0	0	*	0	*
3313	Alumina and Aluminum	*	*	*	0	0	0	0	*	0	0
331314	Secondary Smelting and Alloying of Aluminum	*	0	*	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	*	*	*	0	*	0	*	*	0	0
331316	Aluminum Extruded Products	*	0	*	0	0	0	0	0	0	0

**Table 10.8 Capability to Switch Distillate Fuel Oil to Alternative Energy Sources, 2010;****Level: National and Regional Data;****Row: NAICS Codes, Value of Shipments and Employment Sizes;****Column: Energy Sources;****Unit: Million Barrels.**

NAICS Code(a)	Selected Subsectors and Industry	Distillate Fuel Oil				Alternative Energy Sources(b)					
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
3314	Nonferrous Metals, except Aluminum	*	*	*	*	*	*	0	*	0	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Al	*	0	*	0	0	0	0	0	0	0
3315	Foundries	*	0	*	0	0	0	0	0	0	0
331511	Iron Foundries	*	0	*	0	0	0	0	0	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	0	*	0	0	0	0	0	0	0
332	Fabricated Metal Products	*	*	*	0	0	0	0	0	0	*
333	Machinery	*	0	*	0	0	0	0	0	0	0
334	Computer and Electronic Products	*	*	*	*	*	0	0	0	0	*
334413	Semiconductors and Related Devices	*	*	*	0	0	0	0	0	0	*
335	Electrical Equip., Appliances, and Components	*	0	*	0	0	0	0	0	0	0
336	Transportation Equipment	*	0	*	0	0	0	0	0	0	0
336111	Automobiles	0	0	0	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	*	0	*	0	0	0	0	0	0	0
336411	Aircraft	*	0	*	0	0	0	0	0	0	0
337	Furniture and Related Products	0	0	0	0	0	0	0	0	0	0
339	Miscellaneous	*	*	*	0	*	0	0	0	0	0
	Total	6	*	6	*	*	*	*	*	0	*
<b>Economic Characteristic (f)</b>											
<b>Value of Shipments and Receipts (million dollars)</b>											
	Under 20	9	1	7	*	1	*	*	*	0	*
	20-49	4	*	3	*	*	*	*	*	0	*
	50-99	2	*	2	*	*	*	*	*	0	*
	100-249	2	*	1	*	*	*	*	*	0	*
	250-499	2	*	2	*	*	*	*	*	0	*
	500 and Over	4	1	3	*	*	*	*	*	0	*
	Total	22	2	19	1	2	*	*	*	*	*
<b>Employment Size</b>											
	Under 50	8	1	6	*	1	*	*	*	*	*
	50-99	3	*	3	*	*	*	*	*	0	*
	100-249	4	*	4	*	*	*	*	*	0	*
	250-499	3	1	2	*	*	*	*	*	0	*
	500-999	2	*	2	*	*	*	*	*	0	*
	1000 and Over	2	*	2	*	*	*	*	*	0	*
	Total	22	2	19	1	2	*	*	*	*	*

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

(b) 'Alternative Energy Sources' consist of those energy sources that could have been substituted for distillate fuel oil during 2010. The quantities are expressed in thousands of barrels, and therefore represent the quantity of distillate fuel oil that could have been displaced by the given alternative type of energy.

(c) 'Total Consumed' represents those quantities (Total Inputs) of distillate fuel oil that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

(d) '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

**Table 10.8 Capability to Switch Distillate Fuel Oil to Alternative Energy Sources, 2010;**

**Level: National and Regional Data;**

**Row: NAICS Codes, Value of Shipments and Employment Sizes;**

**Column: Energy Sources;**

**Unit: Million Barrels.**

NAICS Code(a)	Selected Subsectors and Industry	Distillate Fuel Oil			Alternative Energy Sources(b)					
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze

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 distillate fuel oil.

(f) Value of Shipments and Receipts and Employment Size categories were supplied by the Bureau of the Census.

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: Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and the Bureau of the Census, data files for the '2010 Annual Survey of Manufactures.'

RSE Table 10.8 Relative Standard Errors for Table 10.8;

Unit: Percents.

NAICS Code(a)	Selected Subsectors and Industry	Distillate Fuel Oil				Alternative Energy Sources(b)					
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
<b>Total United States</b>											
311	Food	20.2	14.0	22.2	3.9	17.8	23.7	X	21.4	X	40.4
3112	Grain and Oilseed Milling	3.9	21.1	3.8	3.3	53.6	39.0	X	24.7	X	70.8
311221	Wet Corn Milling	0.0	0.0	0.0	0.0	X	X	X	0.0	X	X
31131	Sugar Manufacturing	0.0	0.0	0.0	X	X	X	X	X	X	0.0
3114	Fruit and Vegetable Preserving and Specialty Foods	71.3	34.7	72.1	0.0	40.3	X	X	0.0	X	0.0
3115	Dairy Products	12.8	32.5	12.1	12.9	24.2	72.7	X	46.9	X	69.6
3116	Animal Slaughtering and Processing	8.2	12.5	8.8	53.9	13.5	28.1	X	42.8	X	41.5
312	Beverage and Tobacco Products	7.4	1.0	8.1	48.7	0.8	0.0	0.0	X	X	X
3121	Beverages	8.6	1.1	9.4	62.4	0.8	0.0	0.0	X	X	X
3122	Tobacco	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
313	Textile Mills	62.4	42.6	70.2	81.3	44.9	0.0	X	53.7	X	87.4
314	Textile Product Mills	77.0	90.9	88.8	X	X	X	90.9	X	X	X
315	Apparel	78.9	X	78.9	X	X	X	X	X	X	X
316	Leather and Allied Products	20.9	0.0	22.6	X	X	0.0	X	X	X	X
321	Wood Products	37.1	23.0	44.0	10.8	66.3	12.7	X	14.7	X	25.5
321113	Sawmills	52.9	11.9	65.5	10.9	0.0	10.6	X	15.4	X	1.4
3212	Veneer, Plywood, and Engineered Woods	43.1	31.2	43.6	89.8	5.6	89.8	X	38.3	X	0.0
321219	Reconstituted Wood Products	68.0	0.0	68.0	X	0.0	X	X	X	X	X
3219	Other Wood Products	32.5	42.4	36.3	X	81.9	X	X	48.7	X	28.8
322	Paper	4.2	0.1	4.6	6.5	0.0	0.0	0.3	0.0	X	0.0
322110	Pulp Mills	0.0	0.0	0.0	X	0.0	X	X	X	X	X
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
322122	Newsprint Mills	0.0	0.0	0.0	X	0.0	X	0.0	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
323	Printing and Related Support	65.5	X	65.5	X	X	X	X	X	X	X
324	Petroleum and Coal Products	2.1	2.1	2.7	0.5	2.5	34.0	X	0.9	X	6.6
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	0.0
324121	Asphalt Paving Mixture and Block	3.9	3.2	5.6	2.2	2.7	34.0	X	1.2	X	82.3
324199	Other Petroleum and Coal Products	0.0	X	0.0	X	X	X	X	X	X	X
325	Chemicals	7.0	14.7	3.2	23.2	16.5	54.4	6.1	24.1	96.5	12.8
325110	Petrochemicals	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
325120	Industrial Gases	0.5	X	0.5	X	X	X	X	X	X	X
325181	Alkalies and Chlorine	0.0	0.0	0.0	X	0.0	X	X	X	X	0.0
325182	Carbon Black	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	0.0
325188	Other Basic Inorganic Chemicals	5.2	5.0	7.2	0.0	5.1	0.0	X	43.1	X	77.9
325192	Cyclic Crudes and Intermediates	0.0	0.0	0.0	X	0.0	X	X	X	X	X
325193	Ethyl Alcohol	9.1	17.0	11.0	84.4	9.4	0.0	25.9	15.5	X	12.2
325199	Other Basic Organic Chemicals	5.9	8.4	6.5	47.1	8.8	X	96.5	81.9	96.5	26.4
325211	Plastics Materials and Resins	6.8	0.0	10.6	X	0.0	X	X	X	X	X
325212	Synthetic Rubber	3.9	0.0	8.6	X	X	X	0.0	X	X	X
325222	Noncellulosic Organic Fibers	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	0.0	X	X	X	X	0.0
325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	2.5	6.5	1.2	61.3	4.1	0.0	X	0.0	X	X
325412	Pharmaceutical Preparation	3.8	19.2	1.3	62.1	12.7	0.0	X	0.0	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	3.8	0.0	4.0	X	0.0	X	X	0.0	X	0.0
326	Plastics and Rubber Products	30.0	14.0	66.0	X	14.0	X	X	X	X	X
327	Nonmetallic Mineral Products	11.1	52.3	11.7	83.2	66.7	0.0	0.0	72.8	X	9.8
327121	Brick and Structural Clay Tile	8.2	37.3	7.1	X	37.8	0.0	X	0.0	X	0.0
327211	Flat Glass	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	0.3	0.0	0.3	0.0	0.0	X	X	0.0	X	X
327213	Glass Containers	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	X
327215	Glass Products from Purchased Glass	2.4	0.0	2.4	0.0	0.0	X	X	0.0	X	X
327310	Cements	1.6	0.4	1.0	X	0.0	0.0	0.0	0.0	X	1.2
327410	Lime	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
327420	Gypsum	0.0	0.0	0.0	X	0.0	X	X	0.0	X	X
327993	Mineral Wool	16.6	X	16.6	X	X	X	X	X	X	X
331	Primary Metals	0.6	0.6	0.6	0.8	0.1	0.9	X	0.8	X	0.0

**RSE Table 10.8 Relative Standard Errors for Table 10.8;****Unit: Percents.**

NAICS Code(a)	Selected Subsectors and Industry	Distillate Fuel Oil				Alternative Energy Sources(b)					Other(e)
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	
331111	Iron and Steel Mills	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	0.0
331112	Electrometallurgical Ferroalloy Products	0.0	0.0	0.0	X	X	X	X	0.0	X	X
3312	Steel Products from Purchased Steel	13.0	1.0	13.8	0.0	X	68.1	X	0.0	X	0.0
3313	Alumina and Aluminum	0.1	0.0	0.1	0.0	0.0	0.0	X	0.0	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	X	0.0	X	X	0.0	X	0.0
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	0.0	X	0.0	0.0	X	0.0	X	X
331316	Aluminum Extruded Products	0.2	0.0	0.2	0.0	X	0.0	X	X	X	0.0
3314	Nonferrous Metals, except Aluminum	4.7	0.0	4.8	0.0	0.0	0.0	X	0.0	X	X
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Al	0.0	X	0.0	X	X	X	X	X	X	X
3315	Foundries	1.4	6.0	1.4	9.2	0.9	0.0	X	6.1	X	X
331511	Iron Foundries	1.3	0.7	1.1	4.0	0.9	X	X	0.7	X	X
331521	Aluminum Die-Casting Foundries	0.0	X	0.0	X	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	4.6	0.0	4.7	0.0	0.0	X	X	0.0	X	X
332	Fabricated Metal Products	30.1	82.7	31.8	98.1	96.1	X	X	X	X	99.5
333	Machinery	31.7	93.2	32.0	93.2	X	X	X	X	X	X
334	Computer and Electronic Products	39.8	63.0	45.4	67.6	0.0	X	X	X	X	39.0
334413	Semiconductors and Related Devices	10.1	1.1	11.2	X	0.0	X	X	X	X	39.0
335	Electrical Equip., Appliances, and Components	34.5	49.6	39.1	90.6	49.8	X	X	76.6	X	X
336	Transportation Equipment	20.5	51.2	21.7	0.0	23.8	0.0	X	88.9	X	99.0
336111	Automobiles	0.0	0.0	0.0	0.0	X	X	X	X	X	X
336112	Light Trucks and Utility Vehicles	0.0	0.0	0.0	0.0	X	X	X	X	X	X
3364	Aerospace Product and Parts	9.6	23.5	10.3	0.0	23.9	0.0	X	X	X	X
336411	Aircraft	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
337	Furniture and Related Products	33.9	93.3	35.5	X	93.3	94.1	X	94.1	X	X
339	Miscellaneous	40.9	88.4	45.7	99.0	94.1	X	X	99.0	X	99.0
	Total	7.7	6.1	8.9	5.7	8.0	29.8	8.5	32.2	96.5	23.2
<b>Northeast Census Region</b>											
311	Food	26.9	20.5	27.3	46.3	25.4	X	X	0.0	X	83.0
3112	Grain and Oilseed Milling	0.0	X	0.0	X	X	X	X	X	X	X
311221	Wet Corn Milling	X	X	X	X	X	X	X	X	X	X
31131	Sugar Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Foods	27.1	0.0	31.0	0.0	0.0	X	X	0.0	X	0.0
3115	Dairy Products	4.9	67.8	4.9	84.1	67.8	X	X	X	X	84.1
3116	Animal Slaughtering and Processing	12.3	55.0	12.6	89.1	51.6	X	X	X	X	X
312	Beverage and Tobacco Products	6.2	0.0	6.6	0.0	0.0	0.0	X	X	X	X
3121	Beverages	6.6	0.0	7.1	X	0.0	0.0	X	X	X	X
3122	Tobacco	0.0	0.0	0.0	0.0	X	X	X	X	X	X
313	Textile Mills	31.9	48.5	39.8	X	48.5	X	X	X	X	X
314	Textile Product Mills	90.9	90.9	X	X	X	X	90.9	X	X	X
315	Apparel	X	X	X	X	X	X	X	X	X	X
316	Leather and Allied Products	24.2	0.0	28.2	X	X	0.0	X	X	X	X
321	Wood Products	23.8	28.2	20.8	2.2	9.3	11.1	X	9.3	X	47.4
321113	Sawmills	33.4	0.9	11.2	0.8	0.0	0.0	X	0.0	X	1.4
3212	Veneer, Plywood, and Engineered Woods	1.6	89.8	0.6	89.8	89.8	89.8	X	89.8	X	X
321219	Reconstituted Wood Products	0.0	X	0.0	X	X	X	X	X	X	X
3219	Other Wood Products	40.9	58.7	43.2	X	X	X	X	X	X	58.7
322	Paper	16.0	0.0	6.3	0.0	0.0	0.0	0.0	X	X	X
322110	Pulp Mills	0.0	X	0.0	X	X	X	X	X	X	X
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X
322122	Newsprint Mills	0.0	X	0.0	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	X	0.0	X	X	X	X	X	X	X
323	Printing and Related Support	72.9	X	72.9	X	X	X	X	X	X	X
324	Petroleum and Coal Products	3.1	1.4	4.3	0.9	1.5	28.1	X	0.2	X	82.3
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	X
324121	Asphalt Paving Mixture and Block	6.0	1.6	12.3	3.0	1.6	28.1	X	76.0	X	82.3
324199	Other Petroleum and Coal Products	0.0	X	0.0	X	X	X	X	X	X	X
325	Chemicals	9.1	26.1	8.0	0.0	26.2	0.0	X	0.0	X	0.0
325110	Petrochemicals	0.0	0.0	X	X	0.0	X	X	X	X	X

**RSE Table 10.8 Relative Standard Errors for Table 10.8;****Unit: Percents.**

		Distillate Fuel Oil				Alternative Energy Sources(b)					
NAICS Code(a)	Selected Subsectors and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
325120	Industrial Gases	0.4	X	0.4	X	X	X	X	X	X	X
325181	Alkalies and Chlorine	0.0	X	0.0	X	X	X	X	X	X	X
325182	Carbon Black	X	X	X	X	X	X	X	X	X	X
325188	Other Basic Inorganic Chemicals	0.1	0.0	0.1	X	0.0	0.0	X	0.0	X	X
325192	Cyclic Crudes and Intermediates	0.0	X	0.0	X	X	X	X	X	X	X
325193	Ethyl Alcohol	0.0	X	0.0	X	X	X	X	X	X	X
325199	Other Basic Organic Chemicals	22.4	0.0	22.5	X	0.0	X	X	X	X	X
325211	Plastics Materials and Resins	25.0	0.0	69.2	X	0.0	X	X	X	X	X
325212	Synthetic Rubber	X	X	X	X	X	X	X	X	X	X
325222	Noncellulosic Organic Fibers	0.0	X	0.0	X	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X
325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	1.4	2.7	1.7	X	2.7	X	X	X	X	X
325412	Pharmaceutical Preparation	1.7	25.0	1.7	X	25.0	X	X	X	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	4.2	0.0	4.2	X	X	X	X	0.0	X	0.0
326	Plastics and Rubber Products	70.0	96.7	83.1	X	96.7	X	X	X	X	X
327	Nonmetallic Mineral Products	31.2	84.4	33.3	0.0	86.6	0.0	X	30.2	X	X
327121	Brick and Structural Clay Tile	0.0	0.0	0.0	X	0.0	0.0	X	0.0	X	X
327211	Flat Glass	0.0	X	0.0	X	X	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	X
327213	Glass Containers	0.0	X	0.0	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	9.0	0.0	9.1	0.0	X	X	X	X	X	X
327310	Cements	0.0	0.0	0.0	X	0.0	X	X	X	X	X
327410	Lime	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
327420	Gypsum	0.0	X	0.0	X	X	X	X	X	X	X
327993	Mineral Wool	7.8	X	7.8	X	X	X	X	X	X	X
331	Primary Metals	4.0	2.8	4.4	17.6	0.5	0.0	X	5.8	X	X
331111	Iron and Steel Mills	0.0	X	0.0	X	X	X	X	X	X	X
331112	Electrometallurgical Ferroalloy Products	0.0	0.0	0.0	X	X	X	X	0.0	X	X
3312	Steel Products from Purchased Steel	35.2	X	35.2	X	X	X	X	X	X	X
3313	Alumina and Aluminum	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	X	0.0	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	X	0.0	X	X	X	X	X	X	X
331316	Aluminum Extruded Products	0.0	0.0	0.0	X	X	0.0	X	X	X	X
3314	Nonferrous Metals, except Aluminum	25.7	0.0	25.7	X	0.0	X	X	X	X	X
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Al	0.0	X	0.0	X	X	X	X	X	X	X
3315	Foundries	1.8	14.2	0.9	17.6	62.7	0.0	X	14.9	X	X
331511	Iron Foundries	2.7	18.2	0.0	18.2	70.7	X	X	70.7	X	X
331521	Aluminum Die-Casting Foundries	X	X	X	X	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	1.3	0.0	1.3	0.0	0.0	X	X	0.0	X	X
332	Fabricated Metal Products	51.1	88.1	56.8	99.5	96.1	X	X	X	X	X
333	Machinery	65.7	X	65.7	X	X	X	X	X	X	X
334	Computer and Electronic Products	58.4	X	58.4	X	X	X	X	X	X	X
334413	Semiconductors and Related Devices	13.6	X	13.6	X	X	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	43.1	64.4	46.5	90.6	64.4	X	X	X	X	X
336	Transportation Equipment	38.2	60.9	40.3	0.0	62.7	0.0	X	X	X	X
336111	Automobiles	X	X	X	X	X	X	X	X	X	X
336112	Light Trucks and Utility Vehicles	X	X	X	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	32.2	60.9	15.9	0.0	62.7	0.0	X	X	X	X
336411	Aircraft	0.0	0.0	0.0	X	X	0.0	X	X	X	X
337	Furniture and Related Products	98.4	X	98.4	X	X	X	X	X	X	X
339	Miscellaneous	43.1	92.7	39.9	99.0	99.0	X	X	99.0	X	99.0
	Total	6.9	8.8	8.2	34.7	9.4	21.2	76.9	37.0	X	37.5
<b>Midwest Census Region</b>											
311	Food	16.4	27.7	21.8	22.6	18.8	38.4	X	24.9	X	71.5
3112	Grain and Oilseed Milling	4.1	21.3	3.7	3.4	54.5	39.0	X	24.7	X	70.8
311221	Wet Corn Milling	0.0	0.0	0.0	0.0	X	X	X	0.0	X	X
31131	Sugar Manufacturing	0.0	0.0	0.0	X	X	X	X	X	X	0.0

**RSE Table 10.8 Relative Standard Errors for Table 10.8;****Unit: Percents.**

NAICS Code(a)	Selected Subsectors and Industry	Distillate Fuel Oil				Alternative Energy Sources(b)					
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
3114	Fruit and Vegetable Preserving and Specialty Foods	29.5	0.0	29.5	X	X	X	X	X	X	0.0
3115	Dairy Products	31.8	40.4	48.2	X	31.0	0.0	X	58.8	X	72.1
3116	Animal Slaughtering and Processing	11.0	8.6	11.7	54.8	5.2	X	X	0.0	X	X
312	Beverage and Tobacco Products	18.6	0.0	19.6	X	0.0	X	0.0	X	X	X
3121	Beverages	18.6	0.0	19.6	X	0.0	X	0.0	X	X	X
3122	Tobacco	X	X	X	X	X	X	X	X	X	X
313	Textile Mills	3.1	4.6	1.5	X	X	0.0	X	X	X	87.4
314	Textile Product Mills	X	X	X	X	X	X	X	X	X	X
315	Apparel	X	X	X	X	X	X	X	X	X	X
316	Leather and Allied Products	0.0	X	0.0	X	X	X	X	X	X	X
321	Wood Products	39.6	16.3	23.9	41.1	0.0	X	X	71.0	X	0.0
321113	Sawmills	55.5	41.1	8.2	41.1	X	X	X	X	X	X
3212	Veneer, Plywood, and Engineered Woods	8.2	0.0	8.3	X	0.0	X	X	X	X	0.0
321219	Reconstituted Wood Products	0.3	0.0	0.3	X	0.0	X	X	X	X	X
3219	Other Wood Products	33.3	0.0	39.9	X	0.0	X	X	X	X	0.0
322	Paper	1.8	8.3	1.8	31.8	0.0	X	18.5	0.0	X	0.0
322110	Pulp Mills	0.0	X	0.0	X	X	X	X	X	X	X
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	X	0.0	X	0.0	X	X	0.0
322122	Newsprint Mills	0.0	X	0.0	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	X	0.0	X	0.0	0.0	X	X
323	Printing and Related Support	23.6	X	23.6	X	X	X	X	X	X	X
324	Petroleum and Coal Products	5.2	18.0	5.0	48.8	20.8	30.4	X	0.0	X	X
324110	Petroleum Refineries	0.0	X	0.0	X	X	X	X	X	X	X
324121	Asphalt Paving Mixture and Block	12.2	19.0	12.4	48.8	22.3	30.4	X	0.0	X	X
324199	Other Petroleum and Coal Products	0.0	X	0.0	X	X	X	X	X	X	X
325	Chemicals	19.1	32.0	8.1	52.2	37.5	65.3	0.8	15.5	X	11.5
325110	Petrochemicals	0.0	X	0.0	X	X	X	X	X	X	X
325120	Industrial Gases	41.2	X	41.2	X	X	X	X	X	X	X
325181	Alkalies and Chlorine	0.0	X	0.0	X	X	X	X	X	X	X
325182	Carbon Black	0.0	0.0	0.0	0.0	X	X	X	X	X	X
325188	Other Basic Inorganic Chemicals	6.7	0.0	39.2	X	0.0	X	X	X	X	X
325192	Cyclic Crudes and Intermediates	0.0	X	0.0	X	X	X	X	X	X	X
325193	Ethyl Alcohol	10.0	18.6	12.2	84.4	11.7	0.0	25.9	15.5	X	12.2
325199	Other Basic Organic Chemicals	1.3	X	1.3	X	X	X	X	X	X	X
325211	Plastics Materials and Resins	1.9	0.0	1.9	X	0.0	X	X	X	X	X
325212	Synthetic Rubber	0.0	0.0	0.0	X	X	X	0.0	X	X	X
325222	Noncellulosic Organic Fibers	X	X	X	X	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	0.0	X	X	X	X	0.0
325312	Phosphatic Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	7.9	25.2	3.1	79.7	0.0	X	X	X	X	X
325412	Pharmaceutical Preparation	10.3	35.8	1.4	85.6	0.0	X	X	X	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	X	0.0	X	X	X	X	X	X	X
326	Plastics and Rubber Products	46.2	X	46.2	X	X	X	X	X	X	X
327	Nonmetallic Mineral Products	24.9	90.1	27.3	0.0	0.0	X	X	98.5	X	0.0
327121	Brick and Structural Clay Tile	4.9	X	6.4	X	X	X	X	X	X	X
327211	Flat Glass	0.0	0.0	0.0	X	0.0	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
327213	Glass Containers	0.0	0.0	0.0	0.0	0.0	X	0.0	X	X	X
327215	Glass Products from Purchased Glass	0.0	0.0	0.0	0.0	0.0	X	0.0	X	X	X
327310	Cements	5.2	0.0	0.0	X	X	X	X	X	X	0.0
327410	Lime	0.0	X	0.0	X	X	X	X	X	X	X
327420	Gypsum	0.0	X	0.0	X	X	X	X	X	X	X
327993	Mineral Wool	20.7	X	20.7	X	X	X	X	X	X	X
331	Primary Metals	0.6	0.3	0.6	21.4	0.1	47.6	X	0.4	X	0.0
331111	Iron and Steel Mills	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	0.0
331112	Electrometallurgical Ferroalloy Products	0.0	X	0.0	X	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	34.6	68.1	40.2	X	X	68.1	X	X	X	X
3313	Alumina and Aluminum	0.1	0.0	0.1	0.0	0.0	0.0	X	0.0	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	X	X	X	X	0.0	X	0.0
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	0.0	X	0.0	0.0	X	0.0	X	X
331316	Aluminum Extruded Products	1.2	0.0	1.2	0.0	X	X	X	X	X	X

**RSE Table 10.8 Relative Standard Errors for Table 10.8;****Unit: Percents.**

NAICS Code(a)	Selected Subsectors and Industry	Distillate Fuel Oil				Alternative Energy Sources(b)					
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
3314	Nonferrous Metals, except Aluminum	5.8	X	5.8	X	X	X	X	X	X	X
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Al	0.0	X	0.0	X	X	X	X	X	X	X
3315	Foundries	2.2	2.3	1.6	36.5	0.1	X	X	2.3	X	X
331511	Iron Foundries	2.3	0.0	1.2	0.0	0.0	X	X	0.0	X	X
331521	Aluminum Die-Casting Foundries	0.0	X	0.0	X	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	5.7	0.0	5.7	0.0	0.0	X	X	0.0	X	X
332	Fabricated Metal Products	62.7	88.1	63.1	88.1	X	X	X	X	X	X
333	Machinery	41.3	X	41.3	X	X	X	X	X	X	X
334	Computer and Electronic Products	57.4	88.6	47.1	96.9	0.0	X	X	X	X	X
334413	Semiconductors and Related Devices	0.0	0.0	0.0	X	0.0	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	47.6	74.9	60.6	X	75.3	X	X	76.6	X	X
336	Transportation Equipment	54.0	68.2	62.3	0.0	0.1	0.0	X	95.6	X	99.0
336111	Automobiles	0.0	0.0	0.0	0.0	X	X	X	X	X	X
336112	Light Trucks and Utility Vehicles	0.0	0.0	0.0	0.0	X	X	X	X	X	X
3364	Aerospace Product and Parts	0.1	0.0	0.1	X	0.0	0.0	X	X	X	X
336411	Aircraft	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
337	Furniture and Related Products	45.4	0.0	45.4	X	0.0	X	X	X	X	X
339	Miscellaneous	69.2	X	69.2	X	X	X	X	X	X	X
	Total	10.7	19.3	9.2	37.2	24.1	59.1	1.1	47.8	X	55.0
<b>South Census Region</b>											
311	Food	25.5	29.4	14.3	0.0	32.5	27.4	X	45.7	X	41.5
3112	Grain and Oilseed Milling	17.0	X	18.2	X	X	X	X	X	X	X
311221	Wet Corn Milling	0.0	X	0.0	X	X	X	X	X	X	X
31131	Sugar Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Foods	5.2	59.4	1.4	X	59.4	X	X	X	X	X
3115	Dairy Products	24.5	0.1	26.8	0.0	0.1	0.0	X	X	X	X
3116	Animal Slaughtering and Processing	12.2	20.7	12.9	X	22.0	28.1	X	45.7	X	41.5
312	Beverage and Tobacco Products	7.9	12.4	7.9	74.2	9.7	X	X	X	X	X
3121	Beverages	9.5	42.0	9.6	82.2	41.8	X	X	X	X	X
3122	Tobacco	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
313	Textile Mills	70.3	64.3	74.5	81.3	68.6	X	X	53.7	X	X
314	Textile Product Mills	57.8	X	57.8	X	X	X	X	X	X	X
315	Apparel	78.9	X	78.9	X	X	X	X	X	X	X
316	Leather and Allied Products	60.6	X	60.6	X	X	X	X	X	X	X
321	Wood Products	24.4	48.5	25.4	73.3	X	X	X	64.9	X	X
321113	Sawmills	5.5	57.5	5.8	73.3	X	X	X	92.9	X	X
3212	Veneer, Plywood, and Engineered Woods	50.7	89.4	51.0	X	X	X	X	89.4	X	X
321219	Reconstituted Wood Products	76.2	X	76.2	X	X	X	X	X	X	X
3219	Other Wood Products	55.9	X	59.0	X	X	X	X	X	X	X
322	Paper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	X
322110	Pulp Mills	0.0	0.0	0.0	X	0.0	X	X	X	X	X
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	X	0.0	X	X	X	X	X
322122	Newsprint Mills	0.0	0.0	0.0	X	0.0	X	X	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	X
323	Printing and Related Support	46.9	X	46.9	X	X	X	X	X	X	X
324	Petroleum and Coal Products	4.2	7.8	4.8	0.1	7.9	77.6	X	1.5	X	X
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	X	X	X	X	X	X
324121	Asphalt Paving Mixture and Block	5.6	7.9	6.6	0.1	7.9	77.6	X	1.5	X	X
324199	Other Petroleum and Coal Products	0.0	X	0.0	X	X	X	X	X	X	X
325	Chemicals	10.1	3.2	2.5	28.8	2.9	8.2	96.5	37.7	96.5	16.1
325110	Petrochemicals	0.0	0.0	0.0	X	X	0.0	X	X	X	X
325120	Industrial Gases	0.0	X	0.0	X	X	X	X	X	X	X
325181	Alkalies and Chlorine	0.0	0.0	0.0	X	0.0	X	X	X	X	0.0
325182	Carbon Black	0.0	0.0	0.0	X	0.0	X	X	0.0	X	0.0
325188	Other Basic Inorganic Chemicals	17.4	53.2	18.9	0.0	59.3	X	X	51.3	X	77.9
325192	Cyclic Crudes and Intermediates	0.0	0.0	0.0	X	0.0	X	X	X	X	X
325193	Ethyl Alcohol	0.0	0.0	0.0	X	0.0	X	X	X	X	X
325199	Other Basic Organic Chemicals	5.1	8.4	5.9	47.1	8.9	X	96.5	81.9	96.5	26.4

**RSE Table 10.8 Relative Standard Errors for Table 10.8;****Unit: Percents.**

NAICS Code(a)	Selected Subsectors and Industry	Distillate Fuel Oil				Alternative Energy Sources(b)					
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
325211	Plastics Materials and Resins	7.4	0.0	11.4	X	0.0	X	X	X	X	X
325212	Synthetic Rubber	12.5	X	12.5	X	X	X	X	X	X	X
325222	Noncellulosic Organic Fibers	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	X	X	X	X	X	X	0.0
325312	Phosphatic Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	6.0	11.7	0.4	73.4	7.4	0.0	X	0.0	X	X
325412	Pharmaceutical Preparation	10.4	20.9	0.1	73.4	13.7	0.0	X	0.0	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	0.0	0.0	X	0.0	X	X	X	X	X
326	Plastics and Rubber Products	4.6	4.3	30.8	X	4.3	X	X	X	X	X
327	Nonmetallic Mineral Products	14.1	76.8	14.0	99.0	86.5	0.0	0.0	91.5	X	16.9
327121	Brick and Structural Clay Tile	11.0	48.6	9.2	X	49.4	X	X	0.0	X	0.0
327211	Flat Glass	0.0	0.0	0.0	X	0.0	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	0.0	X	0.0	X	X	X	X	X	X	X
327213	Glass Containers	0.0	X	0.0	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	0.0	X	0.0	X	X	X	X	X	X	X
327310	Cements	2.4	0.0	2.6	X	0.0	0.0	0.0	0.0	X	0.0
327410	Lime	0.0	X	0.0	X	X	X	X	X	X	X
327420	Gypsum	0.0	0.0	0.0	X	0.0	X	X	0.0	X	X
327993	Mineral Wool	40.7	X	40.7	X	X	X	X	X	X	X
331	Primary Metals	0.8	0.0	0.9	0.0	0.0	X	X	0.0	X	0.0
331111	Iron and Steel Mills	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	X
331112	Electrometallurgical Ferroalloy Products	0.0	X	0.0	X	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	16.7	X	17.0	X	X	X	X	X	X	X
3313	Alumina and Aluminum	0.0	0.0	0.0	X	X	X	X	0.0	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	X	X	X	X	0.0	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	X	0.0	X	X	X	X	X	X	X
331316	Aluminum Extruded Products	0.0	0.0	0.0	X	X	X	X	X	X	0.0
3314	Nonferrous Metals, except Aluminum	2.0	X	2.1	X	X	X	X	X	X	X
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Al	0.0	X	0.0	X	X	X	X	X	X	X
3315	Foundries	2.3	0.0	2.3	0.0	0.0	X	X	0.0	X	X
331511	Iron Foundries	1.9	0.0	1.9	0.0	X	X	X	0.0	X	X
331521	Aluminum Die-Casting Foundries	0.0	X	0.0	X	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	5.6	X	5.6	X	X	X	X	X	X	X
332	Fabricated Metal Products	39.3	X	39.3	X	X	X	X	X	X	X
333	Machinery	49.5	93.2	51.5	93.2	X	X	X	X	X	X
334	Computer and Electronic Products	40.0	X	40.0	X	X	X	X	X	X	X
334413	Semiconductors and Related Devices	0.2	X	0.2	X	X	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	27.8	X	28.2	X	X	X	X	X	X	X
336	Transportation Equipment	8.7	33.8	8.9	X	0.0	X	X	92.8	X	X
336111	Automobiles	0.0	X	0.0	X	X	X	X	X	X	X
336112	Light Trucks and Utility Vehicles	0.0	X	0.0	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	13.4	0.0	13.7	X	0.0	X	X	X	X	X
336411	Aircraft	0.0	X	0.0	X	X	X	X	X	X	X
337	Furniture and Related Products	36.4	93.4	32.9	X	93.4	94.1	X	94.1	X	X
339	Miscellaneous	66.5	73.9	67.5	X	73.9	X	X	X	X	X
	Total	5.5	13.7	5.2	8.1	14.7	12.3	4.7	54.3	96.5	14.9
<b>West Census Region</b>											
311	Food	36.4	1.6	37.5	1.7	44.5	96.6	X	59.7	X	0.0
3112	Grain and Oilseed Milling	8.7	0.0	9.0	0.0	0.0	X	X	X	X	X
311221	Wet Corn Milling	0.0	X	0.0	X	X	X	X	X	X	X
31131	Sugar Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Foods	83.0	0.0	83.0	X	0.0	X	X	X	X	0.0
3115	Dairy Products	48.6	16.4	54.0	13.4	59.7	96.6	X	59.7	X	X
3116	Animal Slaughtering and Processing	24.1	0.0	24.5	X	0.0	X	X	X	X	X
312	Beverage and Tobacco Products	33.7	0.0	65.5	0.0	0.0	X	X	X	X	X
3121	Beverages	33.7	0.0	65.5	0.0	0.0	X	X	X	X	X
3122	Tobacco	X	X	X	X	X	X	X	X	X	X
313	Textile Mills	35.8	X	35.8	X	X	X	X	X	X	X

**RSE Table 10.8 Relative Standard Errors for Table 10.8;****Unit: Percents.**

NAICS Code(a)	Selected Subsectors and Industry	Distillate Fuel Oil				Alternative Energy Sources(b)					
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
314	Textile Product Mills	99.4	X	99.4	X	X	X	X	X	X	X
315	Apparel	X	X	X	X	X	X	X	X	X	X
316	Leather and Allied Products	X	X	X	X	X	X	X	X	X	X
321	Wood Products	67.8	37.7	69.1	0.0	83.0	38.8	X	11.7	X	0.0
321113	Sawmills	78.4	1.7	79.2	0.0	X	38.8	X	0.0	X	X
3212	Veneer, Plywood, and Engineered Woods	7.2	16.5	7.8	X	0.0	X	X	21.6	X	X
321219	Reconstituted Wood Products	1.8	X	1.8	X	X	X	X	X	X	X
3219	Other Wood Products	79.9	58.4	82.4	X	96.9	X	X	48.7	X	0.0
322	Paper	20.2	0.0	38.2	X	0.0	X	0.0	X	X	0.0
322110	Pulp Mills	0.0	X	0.0	X	X	X	X	X	X	X
322121	Paper Mills, except Newsprint	0.0	X	0.0	X	X	X	X	X	X	X
322122	Newsprint Mills	0.0	0.0	0.0	X	0.0	X	0.0	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	X	0.0	X	X	X	X	0.0
323	Printing and Related Support	X	X	X	X	X	X	X	X	X	X
324	Petroleum and Coal Products	4.2	4.1	6.5	0.0	45.6	86.6	X	0.1	X	0.0
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	X	X	X	X	0.0
324121	Asphalt Paving Mixture and Block	20.8	44.9	23.8	0.0	86.6	86.6	X	0.1	X	X
324199	Other Petroleum and Coal Products	0.0	X	0.0	X	X	X	X	X	X	X
325	Chemicals	14.8	0.0	22.5	0.0	0.0	X	X	X	X	X
325110	Petrochemicals	X	X	X	X	X	X	X	X	X	X
325120	Industrial Gases	X	X	X	X	X	X	X	X	X	X
325181	Alkalies and Chlorine	0.0	X	0.0	X	X	X	X	X	X	X
325182	Carbon Black	0.0	X	0.0	X	X	X	X	X	X	X
325188	Other Basic Inorganic Chemicals	0.9	X	0.9	X	X	X	X	X	X	X
325192	Cyclic Crudes and Intermediates	0.0	X	0.0	X	X	X	X	X	X	X
325193	Ethyl Alcohol	0.0	X	0.0	X	X	X	X	X	X	X
325199	Other Basic Organic Chemicals	0.0	X	0.0	X	X	X	X	X	X	X
325211	Plastics Materials and Resins	31.2	X	31.2	X	X	X	X	X	X	X
325212	Synthetic Rubber	0.0	X	0.0	X	X	X	X	X	X	X
325222	Noncellulosic Organic Fibers	X	X	X	X	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	X	X	X	X	X	X
325312	Phosphatic Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	14.4	X	14.4	X	X	X	X	X	X	X
325412	Pharmaceutical Preparation	0.0	X	0.0	X	X	X	X	X	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	0.0	0.0	X	0.0	X	X	X	X	X
326	Plastics and Rubber Products	63.7	X	63.7	X	X	X	X	X	X	X
327	Nonmetallic Mineral Products	31.0	84.7	33.3	0.0	0.0	X	X	90.2	X	60.2
327121	Brick and Structural Clay Tile	0.0	X	0.0	X	X	X	X	X	X	X
327211	Flat Glass	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	13.2	X	13.2	X	X	X	X	X	X	X
327213	Glass Containers	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	X
327215	Glass Products from Purchased Glass	0.0	X	0.0	X	X	X	X	X	X	X
327310	Cements	1.7	60.2	1.7	X	X	X	X	X	X	60.2
327410	Lime	0.0	X	0.0	X	X	X	X	X	X	X
327420	Gypsum	0.0	X	0.0	X	X	X	X	X	X	X
327993	Mineral Wool	0.9	X	0.9	X	X	X	X	X	X	X
331	Primary Metals	1.5	0.0	1.6	0.0	0.0	0.0	X	0.0	X	0.0
331111	Iron and Steel Mills	0.0	0.0	0.0	X	X	X	X	0.0	X	X
331112	Electrometallurgical Ferroalloy Products	X	X	X	X	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	0.0	0.0	0.0	0.0	X	X	X	0.0	X	0.0
3313	Alumina and Aluminum	0.0	0.0	0.0	X	0.0	X	X	0.0	X	X
331314	Secondary Smelting and Alloying of Aluminum	0.0	X	0.0	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	0.0	X	0.0	X	X	0.0	X	X
331316	Aluminum Extruded Products	0.0	X	0.0	X	X	X	X	X	X	X
3314	Nonferrous Metals, except Aluminum	3.9	0.0	3.9	0.0	0.0	0.0	X	0.0	X	X
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Al	0.0	X	0.0	X	X	X	X	X	X	X
3315	Foundries	3.6	X	3.6	X	X	X	X	X	X	X
331511	Iron Foundries	0.0	X	0.0	X	X	X	X	X	X	X
331521	Aluminum Die-Casting Foundries	X	X	X	X	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	38.7	X	41.1	X	X	X	X	X	X	X
332	Fabricated Metal Products	67.1	99.5	68.9	X	X	X	X	X	X	99.5

**RSE Table 10.8 Relative Standard Errors for Table 10.8;****Unit: Percents.**

NAICS Code(a)	Selected Subsectors and Industry	Distillate Fuel Oil				Alternative Energy Sources(b)					Other(e)	
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze		
333	Machinery	95.5	X	95.5	X	X	X	X	X	X	X	X
334	Computer and Electronic Products	13.1	0.3	30.6	0.0	0.0	X	X	X	X	X	39.0
334413	Semiconductors and Related Devices	3.5	9.9	3.8	X	0.0	X	X	X	X	X	39.0
335	Electrical Equip., Appliances, and Components	98.9	X	98.9	X	X	X	X	X	X	X	X
336	Transportation Equipment	41.9	X	41.9	X	X	X	X	X	X	X	X
336111	Automobiles	X	X	X	X	X	X	X	X	X	X	X
336112	Light Trucks and Utility Vehicles	X	X	X	X	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	4.6	X	4.6	X	X	X	X	X	X	X	X
336411	Aircraft	0.0	X	0.0	X	X	X	X	X	X	X	X
337	Furniture and Related Products	X	X	X	X	X	X	X	X	X	X	X
339	Miscellaneous	53.4	93.6	57.2	X	93.6	X	X	X	X	X	X
	Total	25.3	3.1	28.2	0.2	8.2	79.2	0.0	9.0	X	3.8	
<b>Economic Characteristic (f)</b>												
<b>Value of Shipments and Receipts (million dollars)</b>												
	Under 20	17.6	14.3	21.2	20.8	15.7	26.4	0.0	55.7	X	36.5	
	20-49	14.6	18.5	15.4	16.4	25.5	50.9	0.0	4.8	X	22.4	
	50-99	9.7	13.7	10.1	31.6	18.5	0.0	0.0	11.8	X	6.8	
	100-249	6.3	11.0	7.6	8.8	12.7	61.3	21.4	31.0	X	43.7	
	250-499	3.2	6.1	3.6	50.1	4.7	23.8	8.1	59.5	X	1.6	
	500 and Over	5.0	1.1	6.0	0.3	2.6	0.0	3.3	1.0	96.5	0.2	
	Total	7.7	6.1	8.9	5.7	8.0	29.8	8.5	32.2	96.5	23.2	
<b>Employment Size</b>												
	Under 50	10.1	15.4	11.5	43.2	17.4	31.8	96.5	52.1	96.5	37.3	
	50-99	43.1	26.0	49.3	7.2	30.0	57.4	25.9	5.2	X	21.1	
	100-249	13.9	9.1	14.3	4.3	11.4	8.6	0.0	8.7	X	6.2	
	250-499	4.3	4.9	5.5	1.2	7.6	29.9	0.0	37.6	X	43.6	
	500-999	6.1	2.8	7.0	1.6	2.8	0.0	69.8	9.3	X	0.2	
	1000 and Over	9.7	10.5	10.2	61.6	8.1	0.0	0.0	0.0	X	0.0	
	Total	7.7	6.1	8.9	5.7	8.0	29.8	8.5	32.2	96.5	23.2	

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

(b) 'Alternative Energy Sources' consist of those energy sources that could have been substituted for distillate fuel oil during 2010. The quantities are expressed in thousands of barrels, and therefore represent the quantity of distillate fuel oil that could have been displaced by the given alternative type of energy.

(c) 'Total Consumed' represents those quantities (Total Inputs) of distillate fuel oil that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

(d) '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.

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

(f) Value of Shipments and Receipts and Employment Size categories were supplied by the Bureau of the Census.

NF=No applicable RSE row/column factor.

\* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

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Next MECS will be fielded in 2015

**RSE Table 10.8 Relative Standard Errors for Table 10.8;**

**Unit: Percents.**

NAICS Code(a)	Selected Subsectors and Industry	Distillate Fuel Oil			Alternative Energy Sources(b)					
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze

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: Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and the Bureau of the Census, data files for the '2010 Annual Survey of Manufactures.'