Residual Fuel Oil

										Coal Coke	
NAICS Code(a)	Selected Subsectors and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	and Breeze	Other(e)
. ,	·				/						
		Total United States									
044		0	4	4		1		0		0	
311 3112	Food Grain and Oilseed Milling	2	1	1	0	1		0	0	0	
311221			0	*	0	0	0	0	0	0	0
31131	Sugar Manufacturing		*	*	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	0
3116	Animal Slaughtering and Processing	1	*	*	*	*	*	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
313	Textile Mills	*	*	*	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	0
321	Wood Products	*	*	*	0	0	*	0	0	0	0
	Sawmills	*	*	*	0	0	*	0	0	0	0
3212	Veneer, Plywood, and Engineered Woods	*	*	*	0	0	*	0	0	0	0
	Reconstituted Wood Products		*		0	0	*	0	0	0	0
3219	Other Wood Products	6	0	4	0	0	0	0	0	0	0
322	Paper Pulp Mills	6	1	4	0	1		0	0	0	0
	Paper Mills, except Newsprint	2		2	*			*	0	0	*
	Newsprint Mills	*	0	*	0	0	0	0	0	0	0
	Paperboard Mills	2	1	1	*	*	*	*	0	0	*
323	Printing and Related Support	*	0	0	0	0	0	0	0	0	0
324	Petroleum and Coal Products	3	1	2	*	*	1	*	*	0	*
	Petroleum Refineries	2	*	2	*	*	*	0	*	0	
	Asphalt Paving Mixture and Block	*	*	*	*	*	*	0	*	0	0
324199	Other Petroleum and Coal Products	*	*	0	0	*	0	*	0	0	0
325	Chemicals	1	1	*	0	1	*	*	*	0	0
	Petrochemicals	*	*	*	0	*	*	0	0	0	0
	Industrial Gases	0	0	0	0	0	0	0	0	0	0
	Alkalies and Chlorine	0	0	0	0	0	0	0	0	0	0
	Carbon Black		0	*	0	0	0	0	0	0	0
	Other Basic Inorganic Chemicals				0		0	0	0	0	0
	Cyclic Crudes and Intermediates	0	0		0	0	0	0	0	0	0
	Ethyl Alcohol Other Basic Organic Chemicals	*	0	0	0	0	0	0	0	0	0
	Plastics Materials and Resins		*	*	0	*	*	0	*	0	0
	Synthetic Rubber	0	0	0	0	0	0	0	0	0	0
	Noncellulosic Organic Fibers	*	*	*	0	*	*	*	0	0	0
	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
	Pharmaceutical Preparation	*	*	*	0	*	0	0	0	0	0
	Photographic Film, Paper, Plate, and Chemicals	*	*	*	0	*	*	0	0	0	0
326	Plastics and Rubber Products	*	*	*	0	*	0	0	0	0	0
327	Nonmetallic Mineral Products	:	*		*	*	*	0	0	0	0
	Brick and Structural Clay Tile	0	0	*	0	0	0	0	0	0	0
	Flat Glass	0	0	0	0	0	0	0	0	0	0
	Other Pressed and Blown Glass and Glassware Glass Containers	0	0	0	0	0	0	0	0	0	0
	Glass Products from Purchased Glass	0	0	0	0	0	0	0	0	0	0
	Cements	*	*	*	0	*	0	0	0	0	0
327410		*	0	*	0	0	0	0	0	0	0
	Gypsum	*	*	0	*	0	0	0	0	0	0
	Mineral Wool	0	0	0	0	0	0	0	0	0	0

Next MECS will be fielded in 2015 Table 10.4 Capability to Switch Residual 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.

Residual Fuel Oil

					7110111411		(-)				
										Coal Coke	
NAICS	Colored Cuberotons and Indicates	Total	Contral alua	Not	Electricity	Natural	Distillate	01	1.00	and	Oth - = (-)
Code(a)	Selected Subsectors and Industry	Consumed(c)	Switchable	Switchable	Receipts(d)	Gas	Fuel Oil	Coal	LPG	Breeze	Other(e)
331	Primary Metals	*	*	*	0	*	*	0	0	0	0
	Iron and Steel Mills	*	*	*	0	*	*	0	0	0	0
	Electrometallurgical Ferroalloy Products	0	0	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	0	0
331314	Secondary Smelting and Alloying of Aluminum	*	0	0	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	*	*	0	0	*	0	0	0	0	0
331316	Aluminum Extruded Products	0	0	0	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	*	0	*	0	0	0	0	0	0	0
331419		0	0	0	0	0	0	0	0	0	0
3315	Foundries	0	0	0	0	0	0	0	0	0	0
331511		0	0	0	0	0	0	0	0	0	0
331521		0	0	0	0	0	0	0	0	0	0
	Aluminum Foundries, except Die-Casting	0	0	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	0	0
334	Computer and Electronic Products	*	*	*	0	*	*	0	*	0	0
	Semiconductors and Related Devices		0	*	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components				0			ŭ	0	0	0
336	Transportation Equipment	0	*	*	0	•	*	0	0	0	0
	Automobiles	0	0	0	0	0	0	•	0	0	0
	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts Aircraft				0			0	0	0	0
330411	Furniture and Related Products	0	0	0	0	0	0	0	0	0	0
	Miscellaneous	· ·	0	*	0	0	0	0	0	0	0
339	Total	13	4	8	*	3	1	*	*	0	*
	Total	13	4	0		3	Į.			U	
		Iortheast Census Re	egion								
			9								
311	Food	*	*	*	0	*	*	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
31131	Sugar Manufacturing	0	0	0	0	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	0	0	0
3116	Animal Slaughtering and Processing	*	*	0	0	*	*	0	0	0	*
312	Beverage and Tobacco Products	*	*	*	0	*	0	0	0	0	0
3121	Beverages	*	*	*	0	*	0	0	0	0	0
3122	Tobacco	*	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	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	*	0	*	0	0	0	0	0	0	0
	Sawmills	*	0	*	0	0	0	0	0	0	0
3212	Veneer, Plywood, and Engineered Woods	0	0	0	0	0	0	0	0	0	0
321219 3219	Reconstituted Wood Products Other Wood Products	0	0	0	0	0	0	0	0	0	0
		2	0	2	·	U *	U *	U *	0	0	0
322	Paper Pulp Mills	∠ *	0	∠ *	0	0	0	0	0	0	0
	Paper Mills, except Newsprint	4	*	4	*	*	*	*	0	0	*
	Newsprint Mills	*	0	*	0	0	0	0	0	0	0
	Paperboard Mills	*	*	*	*	*	*	0	0	0	0
322130	Printing and Related Support	*	0	0	0	0	0	0	0	0	0
323	Petroleum and Coal Products	1	*	1	0	*	*	*	0	0	0
	Petroleum Refineries	1		1	0	*	*	0	0	0	0
	Asphalt Paving Mixture and Block	*		*	0	*	*	0	0	0	0
	Other Petroleum and Coal Products	*	*	0	0	*	0	*	0	0	0
02-100	Caron i Sasseam and Odd i Toddoto			0	· ·		Ü		· ·	Ü	· ·

Next MECS will be fielded in 2015

Table 10.4 Capability to Switch Residual 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.

Residual Fuel Oil

Alternative Energy Sources(b)

									Coal Coke	
NAICS Code(a) Selected Subsectors and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	and Breeze	Other(e)
325 Chemicals	1	*	*	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	0	0
325182 Carbon Black	0	0	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
325193 Ethyl Alcohol	0	0	0	0	0	0	0	0	0	0
325199 Other Basic Organic Chemicals	0	0	0	0	0	0	0	0	0	0
325211 Plastics Materials and Resins 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	0	0
325311 Nitrogenous Fertilizers	*	0	*	0	0	0	0	0	0	0
325312 Phosphatic Fertilizers	0	0	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
326 Plastics and Rubber Products	0	0	0	0	0	0	0	0	0	0
327 Nonmetallic Mineral Products	*	*	*	*	0	0	0	0	0	0
327121 Brick and Structural Clay Tile	0	0	0	0	0	0	0	0	0	0
327211 Flat Glass	0	0	0	0	0	0	0	0	0	0
327212 Other Pressed and Blown Glass and	Glassware 0	0	0	0	0	0	0	0	0	0
327213 Glass Containers 327215 Glass Products from Purchased Glas	· ·	0	0	0	0	0	0	0	0	0
327215 Glass Products from Purchased Glas 327310 Cements	s	0	· *	0	0	0	0	0	0	0
327410 Lime	0	0	0	0	0	0	0	0	0	0
327420 Gypsum	*	*	0	*	0	0	0	0	0	0
327993 Mineral Wool	0	0	0	0	0	0	0	0	0	0
331 Primary Metals	*	*	*	0	*	0	0	0	0	0
331111 Iron and Steel Mills	0	0	0	0	0	0	0	0	0	0
331112 Electrometallurgical Ferroalloy Produ	cts 0	0	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	0	0
331314 Secondary Smelting and Alloying of A	Aluminum *	0	0	0	0	0	0	0	0	0
331315 Aluminum Sheet, Plate and Foils	*	*	0	0	*	0	0	0	0	0
331316 Aluminum Extruded Products	0	0	0	0	0	0	0	0	0	0
3314 Nonferrous Metals, except Aluminum 331419 Primary Smelting and Refining of Nor		0	0	0	0	0	0	0	0	0
331419 Primary Smelting and Refining of Nor 3315 Foundries	nterrous Metals, except Copper and Al 0	0	0	0	0	0	0	0	0	0
331511 Iron Foundries	0	0	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-Cas	ting 0	0	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	0	0	0	0
334 Computer and Electronic Products	*	*	*	0	*	*	0	*	0	0
334413 Semiconductors and Related Devices		0	*	0	0	0	0	0	0	0
335 Electrical Equip., Appliances, and Corr	ponents *	*	*	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 336411 Aircraft	*	*	*	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	0	0	0	0
Total	5	1	3	*	1	*	*	*	0	*
	· ·		· ·		•				· ·	
	Midwest Census Re	gion								

* * * 0 * 0 0 311 Food 0 0

Residual Fuel Oil

NAICS Code(a)	Selected Subsectors and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
0440	O : LOT LANGE									•	
3112 311221	Grain and Oilseed Milling Wet Corn Milling	0	0	0	0	0	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	0	0
3115	Dairy Products	*	0	*	0	0	0	0	0	0	0
3116	Animal Slaughtering and Processing	*		0	0			0	0	0	0
312	Beverage and Tobacco Products	*	*	0	0	*	0	0	0	0	0
3121	Beverages	*	*	0	0	*	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	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	0	0
321	Wood Products				0	0		0	0	0	0
321113	Sawmills Vancer Physical and Engineered Woods	*	0	*	0	0	0	0	0	0	0
	Veneer, Plywood, and Engineered Woods Reconstituted Wood Products	*	0	*	0	0	0	0	0	0	0
321213	Other Wood Products	0	0	0	0	0	0	0	0	0	0
3219	Paper	*	*	*	0	*	0	*	0	0	0
	Pulp Mills	0	0	0	0	0	0	0	0	0	0
	Paper Mills, except Newsprint	*	*	*	0	*	0	*	0	0	0
	Newsprint Mills	0	0	0	0	0	0	0	0	0	0
	Paperboard Mills	*	*	0	0	*	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	*	*	*	*	*	*	0	*	0	*
324110	Petroleum Refineries	*	*	0	*	*	0	0	*	0	*
	Asphalt Paving Mixture and Block	*	*	*	0	*	*	0	0	0	0
	Other Petroleum and Coal Products	0	0	0	0	0	0	0	0	0	0
325	Chemicals	*	*	*	0	•	*	0	0	0	0
	Petrochemicals	*	*	0	0	*	*	0	0	0	0
	Industrial Gases	0	0	0	0	0	0	0	0	0	0
	Alkalies and Chlorine	0	0	0	0	0	0	0	0	0	0
	Carbon Black	0	0	0	0	0	0	0	0	0	0
	Other Basic Inorganic Chemicals	· ·	·	0	0	0	*	0	0	0	0
	Cyclic Crudes and Intermediates Ethyl Alcohol	0	0	0	0	0	0	0	0	0	0
	Other Basic Organic Chemicals	0	0	0	0	0	0	0	0	0	0
	Plastics Materials and Resins	*	0	*	0	0	0	0	0	0	0
	Synthetic Rubber	0	0	0	0	0	0	0	0	0	0
	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0	0	0
	Nitrogenous Fertilizers	0	0	0	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	*	0	*	0	0	0	0	0	0	0
	Pharmaceutical Preparation	0	0	0	0	0	0	0	0	0	0
	Photographic Film, Paper, Plate, and Chemicals	0	0	0	0	0	0	0	0	0	0
326	Plastics and Rubber Products	0	0	0	0	0	0	0	0	0	0
327	Nonmetallic Mineral Products	*	0	*	0	0	0	0	0	0	0
	Brick and Structural Clay Tile	0	0	0	0	0	0	0	0	0	0
	Flat Glass	0	0	0	0	0	0	0	0	0	0
	Other Pressed and Blown Glass and Glassware Glass Containers	0	0	0	0	0	0	0	0	0	0
	Glass Products from Purchased Glass	0	0	0	0	0	0	0	0	0	0
	Cements	0	0	0	0	0	0	0	0	0	0
327410		*	0	*	0	0	0	0	0	0	0
	Gypsum	0	0	0	0	0	0	0	0	0	0
	B Mineral Wool	0	0	0	0	0	0	0	0	0	0
331	Primary Metals		0	*	0	0	0	0	0	0	0
	Iron and Steel Mills	*	0	*	0	0	0	0	0	0	0
	P. Electrometallurgical Ferroalloy Products	0	0	0	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	0	0	0	0	0	0	0	0	0	0

Residual Fuel Oil

NAICS Code(a)	Selected Subsectors and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
3313	Alumina and Aluminum	0	0	0	0	0	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0	0	0	0	0
	Aluminum Sheet, Plate and Foils	0	0	0	0	0	0	0	0	0	0
	Aluminum Extruded Products	0	0	0	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	0	0	0	0	0	0	0	0	0	0
	Primary Smelting and Refining of Nonferrous Metals, except Copper and Al	0	0	0	0	0	0	0	0	0	0
3315	Foundries	0	0	0	0	0	0	0	0	0	0
331511	Iron Foundries Aluminum Die-Casting Foundries	0	0	0	0	0	0	0	0	0	0
	Aluminum Foundries, except Die-Casting	0	0	0	0	0	0	0	0	0	0
332	Fabricated Metal Products	0	0	0	0	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	0	0	0	0	0
	Semiconductors and Related Devices	0	0	0	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0	0	0	0	0	0	0	0
336	Transportation Equipment	*	*	*	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
	Aircraft	0	0	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	0	0	0	0
	Total	1	•	•	*	•	•	•	*	0	•
211		outh Census Regio	n	1				0	0	0	
311 3112	Food Grain and Oilseed Milling	1 *	*	1 *	0	*	*	0	0	0	*
311221		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	0	0
3115	Dairy Products	0	0	0	0	0	0	0	0	0	0
3116	Animal Slaughtering and Processing	1			*	*	*	0	0	0	*
312	Beverage and Tobacco Products	*	*	0	0	*	0	*	0	0	0
3121	Beverages	*	*	0	0	0	0	*	0	0	0
3122	Tobacco	*	*	0	0	*	0	0	0	0	0
313	Textile Mills	*	*	*	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	0	0	0
321	Wood Products	*	*	0	0	0	*	0	0	0	0
	Sawmills	0	0	0	0	0	0	0	0	0	0
3212	Veneer, Plywood, and Engineered Woods			0	0	0		0	0	0	0
321219	Reconstituted Wood Products Other Wood Products	0	0	0	0	0	0	0	0	0	0
3219 322	Paper	3	0	2	0	1	· *	· ·	0	0	U *
	Pulp Mills	3	*	<u> </u>	0			0	0	0	0
	Paper Mills, except Newsprint	1		1	0	*	0	0	0	0	*
	Newsprint Mills	0	0	0	0	0	0	0	0	0	0
	Paperboard Mills	2	1	1	*	*	*	*	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	0
	Petroleum Refineries	*	*	*	0	0	*	0	0	0	0
	Asphalt Paving Mixture and Block	*	*	*	*	*	*	0	*	0	0
	Other Petroleum and Coal Products	0	0	0	0	0	0	0	0	0	0
325	Chemicals	1	*	*	0	*	*	*	0	0	0
325110	Petrochemicals	*	0	*	0	0	0	0	0	0	0
	Industrial Gases	0	0	0	0	0	0	0	0	0	0
325181	Alkalies and Chlorine	0	0	0	0	0	0	0	0	0	0

Residual Fuel Oil

										Coal Coke	
NAICS Code(a)	Selected Subsectors and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	and Breeze	Other(e)
	<u> </u>	.,						_		_	
	Carbon Black Other Basic Inorganic Chemicals		0	0	0	0	0	0	0 0	0	0
	Cyclic Crudes and Intermediates		0	*	0	0	0	0	0	0	0
	Ethyl Alcohol	0	0	0	0	0	0	0	0	0	0
	Other Basic Organic Chemicals	*	0	*	0	0	0	0	0	0	0
	Plastics Materials and Resins	*	*	*	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
	Nitrogenous Fertilizers	0	0	0	0	0	0	0	0	0	0
	Phosphatic Fertilizers	*	*	*	0	0	*	0	0	0	0
3254	Pharmaceuticals and Medicines		*	*	0		0	0	0	0	0
	Pharmaceutical Preparation	0		*	0	0	0	0	0	0	0
	Photographic Film, Paper, Plate, and Chemicals	0	0	0	0	0	•	0	0	0	0
326 327	Plastics and Rubber Products Nonmetallic Mineral Products			*	0		0	0	0	0	0
	Brick and Structural Clay Tile	*	0	*	0	0	0	0	0	0	0
	Flat Glass	0	0	0	0	0	0	0	0	0	0
	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0	0	0	0
	Glass Containers	0	0	0	0	0	0	0	0	0	0
	Glass Products from Purchased Glass	0	0	0	0	0	0	0	0	0	0
	Cements	*	*	0	0	*	0	0	0	0	0
327410		0	0	0	0	0	0	0	0	0	0
	Gypsum	0	0	0	0	0	0	0	0	0	0
	Mineral Wool	0	0	0	0	0	0	0	0	0	0
331	Primary Metals	*	*	0	0	*	*	0	0	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	0	0	0	0	0	0
3313	Alumina and Aluminum	*	*	0	0	*	0	0	0	0	0
	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0	0	0	0	0
	Aluminum Sheet, Plate and Foils	*	*	0	0	•	0	0	0	0	0
	Aluminum Extruded Products	0	0	0	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	0	0	0	0	0	0	0	0	0	0
331419	, , , , , , , , , , , , , , , , , , , ,	0	0	0	0	0	0	0	0	0	0
3315	Foundries	0	0	0	0	0	0	0	0	0	0
331511 331521		0	0	0	0	0	0	0	0	0	0
	Aluminum Foundries, except Die-Casting	0	0	0	0	0	0	0	0	0	0
331324	Fabricated Metal Products	0	0	0	0	0	0	0	0	0	0
333	Machinery	0	0	0	0	0	0	0	0	0	0
334	Computer and Electronic Products	0	0	0	0	0	0	0	0	0	0
	Semiconductors and Related Devices	0	0	0	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	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
	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	0	0
	Total	6	2	4	*	1	1	*	*	0	*
	v	Vest Census Region	1								
311	Food	*	*	0	0	*	0	0	0	0	0
3112	Grain and Oilseed Milling	0	0	0	0	0	0	0	0	0	0
311221		0	0	0	0	0	0	0	0	0	0
31131	Sugar Manufacturing	0	0	0	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	*	*	0	0	*	0	0	0	0	0

Residual Fuel Oil

NAICS Code(a)	Selected Subsectors and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
										_	
3115	Dairy Products	0	0	0	0	0	0	0	0	0	0
3116	Animal Slaughtering and Processing	0		0		-		0		0	0
312	Beverage and Tobacco Products	0	0	0	0	0	0 0	0 0	0	0	0
3121 3122	Beverages Tobacco	0	0	0	0	0	0	0	0	0	0
313	Textile Mills	*	0	*	0	0	0	0	0	0	0
	Textile Product Mills	0	0	0	0	0	0	0	0	0	0
	Apparel	0	0	0	0	0	0	0	0	0	0
	Leather and Allied Products	0	0	0	0	0	0	0	0	0	0
321	Wood Products	0	0	0	0	0	0	0	0	0	0
321113		0	0	0	0	0	0	0	0	0	0
3212	Veneer, Plywood, and Engineered Woods	0	0	0	0	0	0	0	0	0	0
321219	Reconstituted Wood Products	0	0	0	0	0	0	0	0	0	0
3219	Other Wood Products	0	0	0	0	0	0	0	0	0	0
322	Paper	*	*	*	0	*	*	0	0	0	0
	Pulp Mills	*	0	*	0	0	0	0	0	0	0
	Paper Mills, except Newsprint	*	0	*	0	0	0	0	0	0	0
	Newsprint Mills	*	0	*	0	0	0	0	0	0	0
	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	*	1	0		0	0	0	0	0
	Petroleum Refineries	1		1	0		0	0	0	0	0
	Asphalt Paving Mixture and Block	0	0	0	0	0	0	0	0	0	0
324 199	Other Petroleum and Coal Products Chemicals	0	0	0	0	0	0	0	· *	0	0
	Petrochemicals	0	0	0	0	0	0	0	0	0	0
	Industrial Gases	0	0	0	0	0	0	0	0	0	0
	Alkalies and Chlorine	0	0	0	0	0	0	0	0	0	0
	Carbon Black	0	0	0	0	0	0	0	0	0	0
	Other Basic Inorganic Chemicals	0	0	0	0	0	0	0	0	0	0
	Cyclic Crudes and Intermediates	0	0	0	0	0	0	0	0	0	0
	Ethyl Alcohol	0	0	0	0	0	0	0	0	0	0
	Other Basic Organic Chemicals	0	0	0	0	0	0	0	0	0	0
	Plastics Materials and Resins	0	0	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	0	0
325311	Nitrogenous Fertilizers	0	0	0	0	0	0	0	0	0	0
	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	0	0	0	0	0	0	0	0	0	0
	Pharmaceutical Preparation	0	0	0	0	0	0	0	0	0	0
	Photographic Film, Paper, Plate, and Chemicals	0	0	0	0	0	0	0	0	0	0
326	Plastics and Rubber Products	0	0	0	0	0	0	0	0	0	0
327	Nonmetallic Mineral Products Brick and Structural Clay Tile	0	0	0	0	0	0	0	0	0	0
	Flat Glass	0	0	0	0	0	0	0	0	0	0
	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0	0	0	0
	Glass Containers	0	0	0	0	0	0	0	0	0	0
	Glass Products from Purchased Glass	0	0	0	0	0	0	0	0	0	0
327310		0	0	0	0	0	0	0	0	0	0
327410		0	0	0	0	0	0	0	0	0	0
	Gypsum	0	0	0	0	0	0	0	0	0	0
	Mineral Wool	0	0	0	0	0	0	0	0	0	0
331	Primary Metals	0	0	0	0	0	0	0	0	0	0
331111	Iron and Steel Mills	0	0	0	0	0	0	0	0	0	0
	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	0	0	0	0	0	0	0	0	0	0
3313	Alumina and Aluminum	0	0	0	0	0	0	0	0	0	0
331314		0	0	0	0	0	0	0	0	0	0
	Aluminum Sheet, Plate and Foils	0	0	0	0	0	0	0	0	0	0
331316	Aluminum Extruded Products	0	0	0	0	0	0	0	0	0	0

Table 10.4 Capability to Switch Residual 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.

Residual Fuel Oil

NAICS Code(a)	Selected Subsectors and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
3314	Nonferrous Metals, except Aluminum	0	0	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	0	0
3315	Foundries	0	0	0	0	0	0	0	0	0	0
33151	1 Iron Foundries	0	0	0	0	0	0	0	0	0	0
33152	1 Aluminum Die-Casting Foundries	0	0	0	0	0	0	0	0	0	0
33152	4 Aluminum Foundries, except Die-Casting	0	0	0	0	0	0	0	0	0	0
332	Fabricated Metal Products	0	0	0	0	0	0	0	0	0	0
333	Machinery	0	0	0	0	0	0	0	0	0	0
334	Computer and Electronic Products	0	0	0	0	0	0	0	0	0	0
33441	3 Semiconductors and Related Devices	0	0	0	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0	0	0	0	0	0	0	0
336	Transportation Equipment	0	0	0	0	0	0	0	0	0	0
33611	1 Automobiles	0	0	0	0	0	0	0	0	0	0
336112	2 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	0	0
33641	1 Aircraft	0	0	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	0	0	0	0
	Total	1	*	1	0	*	*	0	*	0	0
	Economic Characteristic (f)										
	Value of Shipments and Receipts										
	(million dollars)									_	
	Under 20	1	*		*			0	*	0	
	20-49	2		2				0	0	0	
	50-99 100-249	1		2	0	*		*	0	0	0
	250-499	3	1	2				*	0	0	*
	500 and Over	3	1	2	*	1	*	*	*	0	*
	Total	13	4	8	*	3	1	*	*	0	*
	Employment Size										
	Under 50	2	*	1	*	*	*	0	*	0	*
	50-99	1	*	*	*	*	*	*	0	0	*
	100-249	3	1	2	0	1	*	*	0	0	*
	250-499	3	1	2	*	*	*	*	*	0	*
	500-999	3	1	2.		1			0	0	
	1000 and Over Total	1 13	- 4	1		3	1	:		0	
	rotar	13	4	8	•	3	1	-	-	0	_

⁽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 residual fuel oil during 2010. The quantities are expressed in thousands of barrels, and therefore represent the quantity of residual fuel oil that could have been displaced by the given alternative type of energy.

⁽c) Total Consumed' represents those quantities (Total Inputs) of residual 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

Released: July 2013

Next MECS will be fielded in 2015

Table 10.4 Capability to Switch Residual 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.

Residual Fuel Oil

Alternative Energy Sources(b)

									Coal Coke	
NAICS	Total		Not	Electricity	Natural	Distillate			and	
Code(a) Selected Subsectors and Industry	Consumed(c)	Switchable	Switchable	Receipts(d)	Gas	Fuel Oil	Coal	LPG	Breeze	Other(e)

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 residual 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.'

Residual Fuel Oil

Total United States	NAICS Code(a)	Selected Subsectors and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
1912 1912 1912 1912 1913 1913 1914 1915 1914 1915 1914 1915 1914 1915 1914 1915 1914 1915 1914			Total United States									
1912 1912 1912 1912 1913 1913 1914 1915 1914 1915 1914 1915 1914 1915 1914 1915 1914 1915 1914	311	Food	15.4	10.1	27.2	41 1	9.9	16.6	X	×	x	20.9
131121 Stage Marked Miles												
1311 Sugar Monufacturing 0.0			0.0		0.0	X	X		X	X		
1915 Dary Producter 16.3 0.0 2.7 X D.0 X X X X X X X X X	31131	Sugar Manufacturing	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
Arienal Shaliphelmore and Flooressing 1,3	3114	Fruit and Vegetable Preserving and Specialty Foods										
Beverage and Totalogo Products												
1312												
Tobasco												
Tested Mile												
141 Passel Products												
15 Apparel						.,						
16												
231112 Sammille 71,8 0.0 81,5 X X 0.0 X X X X X X X X X						X						
2212 Verence Physocol, and Engineered Woods 0.0 0.						X	X	0.0		X		
3219 Other Wood Products	3212	Veneer, Plywood, and Engineered Woods	0.0	0.0	0.0	X	X	0.0	X	X	X	
Paper	321219	Reconstituted Wood Products	0.0	0.0	0.0	X	X	0.0	X	X	X	X
S2211 Pipe Mills Pipe Mil		Other Wood Products	69.7	X	69.7		X	X				
32212 Paper Mills, except Newsprint 0.0												
322122 Newsprint Mills												
3232 Paperboard Mills												
Printing and Related Support 92.3 X												
Petroleum and Coal Products												
324110 Petroleum Refinentes 0.0 0.												
32418 Asphalia Paving Micture and Block 10.6 10.1 9.3 0.0 27.5 8.9 X 28.2 X X X X X X X X X												
325 Chemicals 15.4 24.6 0.2 X 27.7 30.4 0.0 0.7 8.1 X X X X X X X X X												
154												
325110 Petrochemicals												
325181 Alkalies and Chlorine		Petrochemicals		0.0	0.0	X	0.0	0.0			X	
325182 Carbon Black 0.0	325120	Industrial Gases	X	X	X	X	X	X		X	X	
325188 Other Basic Inorganic Chemicals 4.3 61.2 0.0 X 61.2 X X X X X X X X X	325181	Alkalies and Chlorine										
325192 Cyclic Crudes and Intermediates 0.0												
32519 Sthyl Alcohol		· · · · · · · · · · · · · · · · · · ·										
32519 Other Basic Organic Chemicals 0.0 X 0.0 X X X X X X X X X		,										
325211 Plastics Materials and Resins 61.9 62.3 0.0 X 62.3 62.2 X 78.1 X X 325212 Synthetic Rubber X <td></td>												
325212 Synthetic Rubber Sy												
325222 Noncellulosic Organic Fibers 0.0												
325311 Nitrogenous Fertilizers 0.0 X 0.0 X <												
32512 Phosphatic Fertilizers 0.0 0												
3254 Pharmaceuticals and Medicines 20.4 0.0 39.8 X 0.0 X X X X X X X X X						X						
325992 Photographic Film, Paper, Plate, and Chemicals 0.0 0.0 0.0 X 0.0 0.0 X						X				X		
326 Plastics and Rubber Products 87.6 61.7 95.7 X 61.7 X X X X X X X 327 Nonmetallic Mineral Products 41.9 2.1 63.5 0.0 2.1 84.6 X X X X X 327121 Brick and Structural Clay Tile 69.8 X 69.8 X <td< td=""><td></td><td></td><td>20.9</td><td>0.0</td><td>41.7</td><td>X</td><td></td><td>X</td><td></td><td></td><td></td><td></td></td<>			20.9	0.0	41.7	X		X				
327 Nonmetallic Mineral Products 41.9 2.1 63.5 0.0 2.1 84.6 X </td <td></td>												
327121 Brick and Structural Clay Tile 69.8 X 69.8 X </td <td></td>												
327211 Flat Glass X												
327212 Other Pressed and Blown Glass and Glassware X												
327213 Glass Containers X <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>												
327215 Glass Products from Purchased Glass X												
327310 Cements 0.0 0.0 0.0 X 0.0 X												
327410 Lime 0.0 X 0.0 X												
327420 Gypsum 0.0 0.0 X 0.0 X X X X X X X 327993 Mineral Wool X X X X X X X X X X X												
327993 Mineral Wool X X X X X X X X X X X X X X X X X X												
331 Primary Metals 3.1 0.0 5.6 X 0.0 0.0 X X X X X			X	X	X	X	X	X	X	X	X	X
	331	Primary Metals	3.1	0.0	5.6	X	0.0	0.0	X	X	X	X

Residual Fuel Oil Alternative Energy Sources(b)

NAICS Code(a)	Selected Subsectors and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
331111	Iron and Steel Mills	0.0	0.0	0.0	x	0.0	0.0	Х	Х	x	X
	Electrometallurgical Ferroalloy Products	X	X	X	X	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	79.4	X	79.4	X	X	X	X	X	X	X
3313	Alumina and Aluminum	0.0	0.0	X	X	0.0	X	X	X	X	Х
331314		0.0	X	X	X	X	X	X	X	X	X
331315	· · · · · · · · · · · · · · · · · · ·	0.0	0.0	Х	X	0.0	X	Х	Х	X	X
	Aluminum Extruded Products	Х	X	Х	X	X	X	X	X	X	X
3314	Nonferrous Metals, except Aluminum	0.0 X	X X	0.0	X X	X	X X	X	X X	X	X X
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Al Foundries	X	X	X X	X	X X	X	X X	X	X X	X
331511		X	x	X	x	x	x	X	x	x	x
331521		X	X	X	X	X	X	X	X	X	X
	Aluminum Foundries, except Die-Casting	X	Х	X	X	X	X	X	X	X	X
332	Fabricated Metal Products	99.5	X	99.5	X	X	X	X	X	X	Х
333	Machinery	99.0	X	99.0	X	X	X	X	X	X	X
334	Computer and Electronic Products	0.0	0.0	0.0	X	0.0	0.0	X	0.0	X	X
	Semiconductors and Related Devices	0.0	X	0.0	X	X	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	73.3	86.1	90.6	X	86.1	86.1	X	X X	X	X
336	Transportation Equipment Automobiles	0.1 X	0.1 X	0.0 X	X X	0.1 X	0.0 X	X X	X	X X	X X
	Light Trucks and Utility Vehicles	X	X	X	X	x	X	X	X	X	X
3364	Aerospace Product and Parts	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
	Aircraft	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
337	Furniture and Related Products	X	X	X	X	X	X	X	X	X	X
339	Miscellaneous	99.0	X	99.0	X	X	X	X	X	X	Х
	Total	3.5	5.6	3.5	0.1	7.6	7.3	0.1	17.6	X	18.6
	N	lortheast Census Re	egion								
311	Food	34.9	41.2	37.6	Х	41.2	0.0	X	X	X	0.0
3112	Grain and Oilseed Milling	0.0	X	0.0	X	X	X	X	X	X	X
311221		0.0	X	0.0	X	X	X	X	X	X	X
31131	Sugar Manufacturing	Х	X	X	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Foods	12.0	64.8	4.1	X	64.8	X	X	X X	X	X
3115 3116	Dairy Products Animal Slaughtering and Processing	2.7 19.3	0.0 0.0	2.7 X	X X	0.0 0.0	X 0.0	X X	X	X X	X 0.0
3110	Beverage and Tobacco Products	0.0	0.0	0.0	x	0.0	0.0 X	×	X	X	0.0 X
3121	Beverages	0.0	0.0	0.0	X	0.0	X	X	X	X	X
3122	Tobacco	0.0	X	0.0	X	X	X	X	X	X	X
313	Textile Mills	48.8	X	48.8	X	X	X	X	X	X	X
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	Х	Х
321	Wood Products	59.6	X	67.8	X	X	X	X	X	X	X
	Sawmills	0.0 X	X X	0.0	X X	X X	X X	X	X X	X X	X X
3212 321219	Veneer, Plywood, and Engineered Woods Reconstituted Wood Products	X	X	X X	X	X	X	X X	X	X	X
321219	Other Wood Products	69.7	×	69.7	X	X	X	X	X	X	X
3213	Paper	3.2	27.6	0.0	0.0	0.0	0.0	0.0	X	X	44.0
	Pulp Mills	0.0	X	0.0	X	X	X	X	X	X	X
	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	X	0.0	X	X	X	X	X	X	Х
	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	X
323	Printing and Related Support	92.3	X	X	X	X	X	X	X	X	X
324	Petroleum and Coal Products	1.4	5.3	0.0	X	14.1	5.9	0.0	X	X	X
	Petroleum Refineries	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
	Asphalt Paving Mixture and Block	11.1	16.5	0.0	X	29.1	17.6	X	X	X	X
	Other Petroleum and Coal Products	0.0	0.0	X	X	0.0	X	0.0	X	X	X
325	Chemicals Petrochemicals	27.6 X	37.0 X	0.7 X	X X	37.0 X	0.0 X	X X	X X	X X	X X
323110	i dilochamicais	^	^	^	^	^	^	^	^	^	^

Residual Fuel Oil

NAICS Code(a)	Selected Subsectors and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
325120	Industrial Gases	х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Alkalies and Chlorine	X	X	X	X	X	X	X	X	X	X
	Carbon Black	X	X	X	X	X	X	X	X	X	X
325188	Other Basic Inorganic Chemicals	0.0	X	0.0	X	X	X	X	X	X	X
325192	Cyclic Crudes and Intermediates	0.0	0.0	X	X	0.0	X	X	X	X	X
	Ethyl Alcohol	X	X	X	X	X	X	X	X	X	X
	Other Basic Organic Chemicals	X	X	Х	X	Х	Х	Х	X	Х	Х
	Plastics Materials and Resins	X	X	X	X	X	X	X	X	X	X
	Synthetic Rubber	X	X	X	X	X X	X X	X	X	X	X
	Noncellulosic Organic Fibers Nitrogenous Fertilizers	X 0.0	X X	X 0.0	X	X	X	X X	X X	X X	X X
	Phosphatic Fertilizers	0.0 X	X	0.0 X	X	x	X	X	X	X	x
3254	Pharmaceuticals and Medicines	75.9	X	75.9	X	X	X	X	X	X	X
	Pharmaceutical Preparation	75.9	X	75.9	X	X	X	X	X	X	X
	Photographic Film, Paper, Plate, and Chemicals	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
326	Plastics and Rubber Products	X	X	X	X	X	X	X	X	X	X
327	Nonmetallic Mineral Products	70.6	0.0	71.0	0.0	Х	Х	X	X	X	X
	Brick and Structural Clay Tile	X	X	X	X	X	X	X	X	X	X
	Flat Glass	X	X	X	X	X	X	X	X	X	X
	Other Pressed and Blown Glass and Glassware	X X	X	X X	X	X X	X X	X X	X X	X X	X X
327213	Glass Containers Glass Products from Purchased Glass	X	X	X	X	X	X	X	X	X	X
	Cements	0.0	X	0.0	×	X	X	x	x	X	x
327410		0.0 X	X	0.0 X	X	x	X	X	X	X	X
	Gypsum	0.0	0.0	X	0.0	X	X	X	X	X	X
	Mineral Wool	X	X	X	X	X	X	X	X	X	X
331	Primary Metals	12.4	0.0	60.3	X	0.0	X	X	X	X	X
	Iron and Steel Mills	X	X	X	X	X	X	X	X	X	X
	Electrometallurgical Ferroalloy Products	X	X	X	X	Х	Х	X	X	X	Х
3312	Steel Products from Purchased Steel	79.4	X	79.4	X	Х	X	X	X	X	X
3313	Alumina and Aluminum	0.0	0.0	X	X	0.0	X	X	X	X	X
	Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils	0.0 0.0	X 0.0	X X	X	X 0.0	X X	X X	X X	X X	X X
331316		0.0 X	0.0 X	x	x	0.0 X	x	x	x	x	x
3314	Nonferrous Metals, except Aluminum	0.0	X	0.0	X	X	X	X	X	X	X
331419		X	X	X	X	X	X	X	X	X	X
3315	Foundries	X	X	X	X	X	X	X	X	X	Х
	Iron Foundries	X	X	X	X	X	Х	X	X	X	Х
331521		X	X	X	X	X	X	X	X	X	X
	Aluminum Foundries, except Die-Casting	X	X	X	X	X	X	X	X	X	X
332	Fabricated Metal Products	99.5 X	X	99.5 X	X	X X	X X	X X	X	X X	X X
333 334	Machinery Computer and Electronic Products	0.0	0.0	0.0	X	0.0	0.0	X	0.0	X	X
	Semiconductors and Related Devices	0.0	0.0 X	0.0	x	0.0 X	0.0 X	x	0.0 X	X	x
335	Electrical Equip., Appliances, and Components	73.3	86.1	90.6	X	86.1	86.1	X	X	X	X
336	Transportation Equipment	0.1	0.1	0.0	X	0.1	0.0	X	X	X	X
336111	Automobiles	X	X	X	X	X	X	X	X	X	X
	Light Trucks and Utility Vehicles	X	X	X	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
	Aircraft	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
337 339	Furniture and Related Products Miscellaneous	X X	X X	X X	X X	X X	X X	X X	X X	X X	X X
339	Total	7.4	15.2	5.4	0.0	22.4	4.8	0.0	0.0	X	40.7
		lidwest Census Reg									
311	Food	11.9	0.0	2.0	X	0.3	4.4	X	X	~	~
311	Food Grain and Oilseed Milling	11.9 30.7	0.3 X	2.0 30.7	X	0.3 X	4.4 X	X	X	X X	X X
311221	•	30.7 X	x	30.7 X	X	x	X	x	X	x	x
31131	Sugar Manufacturing	0.0	0.0	X	X	0.0	0.0	X	X	X	X
	· ·										

Residual Fuel Oil

NAICS Code(a)	Selected Subsectors and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
3114	Fruit and Vegetable Preserving and Specialty Foods	0.0	Х	0.0	Х	Х	Х	Х	Х	Х	Х
3115	Dairy Products	32.2	X	40.4	X	X	X	X	X	X	X
3116	Animal Slaughtering and Processing	0.7	0.7	X	X	0.7	51.3	X	X	X	Х
312	Beverage and Tobacco Products	0.0	0.0	X	X	0.0	X	X	Х	X	X
3121	Beverages	0.0	0.0	X	X	0.0	X	Х	X	X	X
3122	Tobacco	X	X	X	X	X	X	X	X	X	X
313	Textile Mills	X	X	X	X	X	X	X	X	X	X
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	X	X	X	X	X	X	X	X	X	X
321	Wood Products Sawmills	62.1 81.8	0.0 0.0	62.1 81.8	X X	X X	0.0 0.0	X X	X X	X	X X
321113		0.0	0.0 X	0.0	X	X	0.0 X	X	X	X	X
321219	Veneer, Plywood, and Engineered Woods Reconstituted Wood Products	0.0	X	0.0	X	x	X	x	X	X	x
321219	Other Wood Products	0.0 X	x	0.0 X	X	x	x	x	X	X	X
322	Paper	4.8	6.4	0.0	X	6.4	X	0.0	X	X	X
	Pulp Mills	X.S	X	X	X	X	X	X	X	X	X
322110		0.0	0.0	0.0	X	0.0	X	0.0	X	X	X
322122		X	X	X	X	X	X	X	X	X	X
	Paperboard Mills	0.0	0.0	X	X	0.0	X	X	X	X	X
323	Printing and Related Support	X	X	X	X	X	X	X	X	X	X
324	Petroleum and Coal Products	7.3	0.0	30.8	0.0	0.0	0.0	Х	0.0	Х	0.0
	Petroleum Refineries	0.0	0.0	X	0.0	0.0	X	X	0.0	Х	0.0
	Asphalt Paving Mixture and Block	20.5	0.0	36.6	X	0.0	0.0	X	X	X	X
324199	Other Petroleum and Coal Products	X	X	X	X	X	X	X	X	X	X
325	Chemicals	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
325110	Petrochemicals	0.0	0.0	X	X	0.0	0.0	X	X	X	X
325120	Industrial Gases	X	X	X	X	X	X	X	X	X	X
325181		X	X	X	X	X	X	X	X	X	X
325182	Carbon Black	X	X	X	X	X	X	X	X	X	X
	Other Basic Inorganic Chemicals	X	X	X	X	X	X	X	X	X	X
325192		0.0	0.0	X	X	X	0.0	X	X	X	X
	Ethyl Alcohol	X	Х	X	X	X	X	X	Х	X	X
325199		X	X	X	X	X	X	X	X	X	X
	Plastics Materials and Resins	0.0	X	0.0	X	X	X	X	X	X	X
	Synthetic Rubber	X	X	X	X	X	X	X	X	X	X
	Noncellulosic Organic Fibers	X	X	X	X	X	X	X	X	X	X
325311		X	X	X	X	X	X	X	X	X	X
	Phosphatic Fertilizers	X	X	X	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	0.0	X	0.0	X X	X	X	X	X	X X	X
	Pharmaceutical Preparation	X	X	X X	X	X X	X X	X X	X	X	X X
325992	Photographic Film, Paper, Plate, and Chemicals Plastics and Rubber Products	X	×	X	X	X	X	×	X	×	X
327	Nonmetallic Mineral Products	0.0	X	0.0	X	x	X	x	x	X	x
	Brick and Structural Clay Tile	0.0 X	X	0.0 X	X	X	X	X	X	X	X
	Flat Glass	X	X	X	X	X	X	X	X	X	X
	Other Pressed and Blown Glass and Glassware	X	X	X	X	X	X	X	X	X	X
327213		X	X	X	X	X	X	X	X	X	X
327215		X	X	X	X	X	X	X	X	X	X
	Cements	X	X	X	X	X	X	X	X	X	X
327410		0.0	X	0.0	X	X	X	X	X	X	X
	Gypsum	X	Х	X	X	X	X	X	X	X	Х
	Mineral Wool	X	X	X	X	X	X	X	X	X	X
331	Primary Metals	0.0	X	0.0	X	X	X	X	X	X	X
	Iron and Steel Mills	0.0	X	0.0	X	X	X	X	X	X	X
	Electrometallurgical Ferroalloy Products	X	X	X	X	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	X	X	X	X	X	X	X	X	X	X
3313	Alumina and Aluminum	X	X	X	X	X	X	X	X	X	X
331314		X	X	X	X	X	X	X	X	X	X
	Aluminum Sheet, Plate and Foils	X	X	X	X	X	X	X	X	X	X
331316	Aluminum Extruded Products	X	X	X	X	X	X	X	X	X	X

Residual Fuel Oil Alternative Energy Sources(b)

NAICS		Total		Not	Electricity	Natural	Distillate			Coal Coke and	
Code(a)	Selected Subsectors and Industry	Consumed(c)	Switchable	Switchable	Receipts(d)	Gas	Fuel Oil	Coal	LPG	Breeze	Other(e)
3314	Nonferrous Metals, except Aluminum	X	X	X	X	X	X	Х	X	Х	X
331419		X	X	X	X	X	X	X	X	X	X
3315	Foundries	X	X	X	X	X	X	X	X	X	X
331511 331521		X X	X X	X X	X	X X	X X	X X	X X	X X	X X
	Aluminum Foundries, except Die-Casting	x	x	x	X	×	x	X	X	X	x
332	Fabricated Metal Products	X	X	X	X	X	X	X	X	X	X
333	Machinery	99.0	X	99.0	X	X	X	X	X	X	X
334	Computer and Electronic Products	X	Х	X	Х	X	X	X	X	X	X
	Semiconductors and Related Devices	X X	X	X	X	X	X X	X	X	X	X
335 336	Electrical Equip., Appliances, and Components Transportation Equipment	0.0	X 0.0	X 0.0	X	X 0.0	X	X X	X X	X X	X X
	Automobiles	0.0 X	0.0 X	0.0 X	X	0.0 X	x	X	x	X	x
	Light Trucks and Utility Vehicles	X	X	X	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	0.0	0.0	0.0	X	0.0	X	X	X	X	X
	Aircraft	X	X	X	X	X	X	X	X	X	X
337	Furniture and Related Products	X	X	X	X	X	X	X	X	X	X
339	Miscellaneous	X	X	X	X	X	X	X	X	X	X
	Total	6.6	1.1	14.5	0.0	1.3	0.7	0.0	0.0	Х	0.0
	•	South Census Regio	n								
044	5 1	20.4	10.1	40.7		100	40.0	V			24.7
311 3112	Food Grain and Oilseed Milling	23.4 74.2	16.1 37.2	40.7 83.7	41.1 X	16.8 37.2	18.0 0.0	X X	X X	X X	21.7 40.4
311221		74.2 X	37.2 X	63.7 X	X	37.2 X	0.0 X	X	X	X	40.4 X
31131	Sugar Manufacturing	0.0	X	0.0	X	X	X	X	X	X	x
3114	Fruit and Vegetable Preserving and Specialty Foods	30.1	29.4	82.4	X	29.4	30.8	X	X	X	X
3115	Dairy Products	X	X	X	X	X	X	X	X	X	X
3116	Animal Slaughtering and Processing	12.2	18.3	14.4	41.1	19.5	21.0	X	X	X	21.8
312	Beverage and Tobacco Products	0.0	0.0	X	X	0.0	X	0.0	X	X	X
3121	Beverages	0.0	0.0	X	X	X	X	0.0	X	X	X
3122 313	Tobacco Textile Mills	0.0 48.8	0.0 52.3	X 53.3	X	0.0 66.2	X 91.6	X 77.1	X 66.2	X X	X X
314	Textile Product Mills	67.5	67.5	33.3 X	X	X	67.5	77.1 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	0.0	0.0	X	X	X	0.0	X	X	X	X
	Sawmills	X	X	X	X	X	X	X	X	X	X
3212	Veneer, Plywood, and Engineered Woods	0.0	0.0	X	X	X	0.0	X	X	X	X
321219		0.0 X	0.0 X	X X	X X	X X	0.0 X	X X	X X	X X	X X
3219 322	Other Wood Products Paper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
	Pulp Mills	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
	Paper Mills, except Newsprint	0.0	0.0	0.0	X	0.0	X	X	X	X	0.0
	Newsprint Mills	X	X	X	X	X	X	X	X	X	X
	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
323	Printing and Related Support	X	X	X	X	X	X	X	X	X	X
324	Petroleum and Coal Products	8.6	11.9	8.3	0.0	38.0	3.1	X	26.2	X	X
	Petroleum Refineries Asphalt Paving Mixture and Block	0.0 17.1	0.0 24.4	0.0 14.9	X 0.0	X 38.1	0.0 9.2	X X	X 26.2	X X	X X
	Other Petroleum and Coal Products	X	24.4 X	X	X	X	X	X	20.2 X	X	×
325	Chemicals	17.9	39.1	0.0	X	40.6	45.0	0.0	X	X	X
	Petrochemicals	0.0	X	0.0	X	X	X	X	X	X	X
325120	Industrial Gases	X	X	X	X	X	X	X	X	X	X
	Alkalies and Chlorine	X	X	X	X	X	X	X	X	X	X
325182		0.0	X	0.0	X	X	X	X	X	X	X
325188		61.2	61.2	X	X	61.2	X X	X X	X	X	X X
	Cyclic Crudes and Intermediates Ethyl Alcohol	0.0 X	X X	0.0 X	X X	X X	X	X	X X	X X	X
	Other Basic Organic Chemicals	0.0	X	0.0	X	X	X	X	X	X	X
323133	Outer David Organic Orienticals	0.0	Α	0.0	X	^	^	^	^	^	^

Residual Fuel Oil

										Coal Coke	
NAICS Code(a)	Selected Subsectors and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	and Breeze	Other(e)
	<u> </u>										
	Plastics Materials and Resins	61.9	62.3	0.0	X	62.3	62.3	X	X	X	X
325212 325222	Synthetic Rubber Noncellulosic Organic Fibers	X 0.0	X 0.0	X 0.0	X	X 0.0	X 0.0	X 0.0	X X	X X	X X
	Nitrogenous Fertilizers	0.0 X	0.0 X	0.0 X	X	0.0 X	0.0 X	0.0 X	X	X	X
	Phosphatic Fertilizers	0.0	0.0	0.0	X	X	0.0	X	X	X	X
3254	Pharmaceuticals and Medicines	0.0	0.0	0.0	X	0.0	X	X	X	X	X
	Pharmaceutical Preparation	0.0	0.0	0.0	X	0.0	X	X	X	X	X
	Photographic Film, Paper, Plate, and Chemicals	X	X	X	X	X	X	X	X	X	X
326 327	Plastics and Rubber Products Nonmetallic Mineral Products	87.6 2.2	61.7 2.1	95.7 69.8	X	61.7 2.1	X 84.6	X X	X X	X X	X X
	Brick and Structural Clay Tile	69.8	Z.1 X	69.8	X	X	X	x	x	X	X
	Flat Glass	X	X	X	X	X	X	X	X	X	X
	Other Pressed and Blown Glass and Glassware	X	X	Х	X	X	X	X	Х	X	X
	Glass Containers	X	X	X	X	X	X	X	X	X	X
	Glass Products from Purchased Glass	X	Х	X	Х	Х	Х	X	X	X	Х
327310		0.0	0.0	X	X	0.0	X	X	X	X	X
327410		X X	X X	X X	X	X X	X X	X X	X X	X X	X X
	Gypsum Mineral Wool	X	X	X	X	X	X	X	X	X	X
331	Primary Metals	0.0	0.0	X	X	0.0	0.0	X	X	X	X
	Iron and Steel Mills	0.0	0.0	X	X	0.0	0.0	X	X	X	X
	Electrometallurgical Ferroalloy Products	X	X	Х	X	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	X	X	X	X	X	X	X	X	X	X
3313	Alumina and Aluminum	0.0	0.0	X	X	0.0	X	X	X	X	X
331314	3	X	Х	X	X	Х	X	X	X	X	X
	Aluminum Sheet, Plate and Foils	0.0	0.0	X	X	0.0	X	X	X	X	X
	Aluminum Extruded Products	X X	X X	X	X	X	X X	X X	X X	X X	X X
3314 331419	Nonferrous Metals, except Aluminum Primary Smelting and Refining of Nonferrous Metals, except Copper and Al	×	X	X	X	X X	X	X	X	X	×
3315	Foundries	x	x	X	X	x	x	x	x	X	X
331511		X	X	X	X	X	X	X	X	X	X
331521		X	X	Х	X	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	X	X	X	X	X	X	X	X	X	X
332	Fabricated Metal Products	X	Х	Х	X	Х	X	X	X	X	X
333	Machinery	X	X	X	X	X	X	X	X	X	X
334	Computer and Electronic Products	X	X X	X	X	X X	X	X X	X	X	X
334413	Semiconductors and Related Devices Electrical Equip., Appliances, and Components	X X	X	X X	X	X	X X	X	X X	X X	X X
336	Transportation Equipment	0.0	X	0.0	X	X	X	X	X	X	X
	Automobiles	X	X	X	X	X	X	X	X	X	X
	Light Trucks and Utility Vehicles	Х	X	X	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	0.0	X	0.0	X	X	X	X	X	X	X
	Aircraft	0.0	Х	0.0	X	Х	X	X	X	X	X
337	Furniture and Related Products	X	X	X	X	X	X	X	X	X	X
339	Miscellaneous	99.0	X	99.0	X	X	X 10.7	X	X	X	X 20.9
	Total	4.4	6.0	6.1	0.2	8.4	10.7	0.1	24.8	X	20.9
	v	Vest Census Region									
244	Food	2.2	0.0	V	v	0.0	.,	V	V	V	v
311 3112	Food Grain and Oilseed Milling	0.0 X	0.0 X	X X	X	0.0	X X	X X	X X	X X	X X
3112		X	X	X	X	X X	X	X	X	X	X
31131	Sugar Manufacturing	x	X	X	X	X	x	X	X	x	X
3114	Fruit and Vegetable Preserving and Specialty Foods	0.0	0.0	X	X	0.0	X	X	X	X	X
3115	Dairy Products	X	X	X	X	X	X	X	X	X	X
3116	Animal Slaughtering and Processing	X	X	X	X	X	X	X	X	X	X
312	Beverage and Tobacco Products	X	X	X	X	X	X	X	X	X	X
3121	Beverages	X	X	X	X	X	X	X	X	X	X
3122	Tobacco	X	X	X	X	X	X	X	X	X	X
313	Textile Mills	0.0	X	0.0	X	Х	X	X	X	X	X

Residual Fuel Oil

										Coal Coke	
NAICS	Salasted Subsectors and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	and Breeze	Other(e)
Code(a)	Selected Subsectors and Industry	Consumea(c)	Switchable	Switchable	Receipts(a)	Gas	Fuel Oil	Coai	LPG	Breeze	Otner(e)
	Textile Product Mills	X	X	X	X	X	X	X	X	X	X
	Apparel	X	X	X	X	X	X	X	X	X	X
	Leather and Allied Products Wood Products	X	X X	X X	X	X	X X	X X	X X	X X	X X
	Sawmills	X	X	X	X	X	X	X	X	×	×
3212	Veneer, Plywood, and Engineered Woods	X	X	X	X	X	X	X	X	X	X
321219		X	X	X	X	X	X	X	X	X	X
3219	Other Wood Products	X	X	X	X	X	X	X	X	X	X
322	Paper	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
	Pulp Mills	0.0 0.0	X X	0.0 0.0	X	X X	X X	X X	X X	X X	X X
	Paper Mills, except Newsprint Newsprint Mills	0.0	X	0.0	×	X	x	x	X	x	x
	Paperboard Mills	0.0	0.0	0.0	X	0.0	0.0	X	X	X	x
323	Printing and Related Support	X	X	X	X	X	X	X	X	X	X
324	Petroleum and Coal Products	0.4	60.5	0.0	X	60.5	X	X	X	X	X
	Petroleum Refineries	0.0	0.0	0.0	X	0.0	X	X	X	Х	X
	Asphalt Paving Mixture and Block	13.5	64.6	0.0	X	64.6	X	X	X	X	X
	Other Petroleum and Coal Products	X X	X X	X X	X	X	X 78.1	X X	X 78.1	X X	X X
325	Chemicals Petrochemicals	X	X	X	X	X	76.1 X	×	76.1 X	×	X
	Industrial Gases	X	X	X	X	X	X	X	X	X	X
	Alkalies and Chlorine	X	X	X	X	X	X	X	X	X	X
325182	Carbon Black	X	X	X	X	X	X	X	X	X	X
325188		X	X	X	X	X	X	X	X	X	X
	Cyclic Crudes and Intermediates	X	Х	X	X	Х	X	X	X	Х	X
	Ethyl Alcohol	X	X	X	X	X	X	X	X	X	X
	Other Basic Organic Chemicals	X	X	X	X	X	X	X	X	X	X X
	Plastics Materials and Resins Synthetic Rubber	X	X X	X	X	X	78.1 X	X X	78.1 X	X X	X
325222		X	x	×	×	X	x	x	X	x	x
	Nitrogenous Fertilizers	X	X	X	X	X	X	X	X	X	X
	Phosphatic Fertilizers	X	X	X	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	X	X	X	X	X	X	X	X	X	X
	Pharmaceutical Preparation	Х	Х	X	X	Х	X	X	X	X	X
	Photographic Film, Paper, Plate, and Chemicals	X	X	X	X	X	X	X	X	X	X
326 327	Plastics and Rubber Products Nonmetallic Mineral Products	X 96.6	X X	X 96.6	X X	X X	X X	X X	X X	X X	X X
	Brick and Structural Clay Tile	96.6 X	X	96.6 X	×	X	X	×	X	X	×
	Flat Glass	X	X	X	X	X	X	X	X	X	X
	Other Pressed and Blown Glass and Glassware	X	X	X	X	X	X	X	X	X	X
327213		X	X	X	X	X	X	X	X	X	X
	Glass Products from Purchased Glass	X	Х	X	X	Х	X	X	X	Х	Х
	Cements	X	X	X	X	X	X	X	X	X	X
327410	Lime Gypsum	X X	X X	X X	X	X	X X	X X	X X	X X	X X
	Mineral Wool	X	X	×	X	X	X	X	X	×	x
331	Primary Metals	X	X	X	X	X	X	X	X	X	X
	Iron and Steel Mills	Х	X	X	X	X	X	X	X	X	X
	Electrometallurgical Ferroalloy Products	X	X	X	X	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	X	X	X	X	X	X	X	X	X	X
3313	Alumina and Aluminum	X	X	X	X	X	X	X	X	X	X
331314		X	X	X	X	X	X X	X	X	X	X
	Aluminum Sheet, Plate and Foils Aluminum Extruded Products	X	X X	X X	X	X	X	X X	X X	X X	X X
331316	Nonferrous Metals, except Aluminum	X	X	X	X	X	X	X	X	X	X
331419		X	X	X	X	X	X	X	X	X	X
3315	Foundries	X	X	X	X	X	X	X	X	X	X
	Iron Foundries	X	X	X	X	X	X	X	X	X	X
331521		X	X	Х	Х	X	X	X	X	X	X
331524		X	X	X	X	X	X	X	X	X	X
332	Fabricated Metal Products	Х	X	X	X	X	X	X	X	X	Х

Residual Fuel Oil

NAICS Code(a) Selected Subsectors and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
333 Machinery	Х	X	X	Х	х	X	X	Х	X	X
334 Computer and Electronic Products	X	X	X	X	X	X	X	X	X	X
334413 Semiconductors and Related Devices	X	X	X	X	X	Х	X	X	X	X
335 Electrical Equip., Appliances, and Components	X	X	X	X	X	Х	X	X	X	X
336 Transportation Equipment	X	X	X	X	X	Х	X	X	X	X
336111 Automobiles	X	X	X	X	X	X	X	X	X	Х
336112 Light Trucks and Utility Vehicles	X	X	X	X	X	X	X	X	X	X
3364 Aerospace Product and Parts	X	X	X	X	X	Х	X	X	X	X
336411 Aircraft	X	X	X	X	X	X	X	X	X	X
337 Furniture and Related Products	X	X	X	X	X	Х	X	X	X	X
339 Miscellaneous	X	X	X	X	X	X	X	X	X	X
Total	3.8	13.5	3.8	Х	13.5	1.3	Х	78.1	Х	Х
Economic Characteristic (f)										
Value of Shipments and Receipts										
(million dollars)										
Under 20	13.5	18.5	19.4	0.0	28.2	19.8	X	26.2	X	54.6
20-49	4.6	19.4	3.6	0.0	16.3	9.4	X	X	X	25.3
50-99	31.4	43.8	36.8	X	45.7	0.0	0.0	66.2	X	0.0
100-249	8.6	14.3	10.3	41.1	15.1	39.7	0.7	X	X	Х
250-499	3.1	9.7	1.8	0.0	17.8	17.1	0.0	X	X	14.2
500 and Over	0.2	0.4	0.0	0.0	0.6	0.0	0.0	0.0	X	0.0
Total	3.5	5.6	3.5	0.1	7.6	7.3	0.1	17.6	Х	18.6
Employment Size										
Under 50	12.4	15.7	15.2	0.0	23.5	8.9	X	26.2	X	47.5
50-99	25.5	40.7	9.4	0.0	45.0	37.5	0.0	X	X	49.8
100-249	7.9	9.9	11.6	X	9.1	19.8	0.0	X	X	29.6
250-499	8.6	1.0	0.1	0.0	2.1	2.0	0.0	28.1	X	0.0
500-999	0.3	0.5	0.4	0.0	1.0	0.1	1.0	X	X	0.0
1000 and Over	3.0	3.5	4.1	41.1	3.6	0.0	0.0	0.0	X	0.0
Total	3.5	5.6	3.5	0.1	7.6	7.3	0.1	17.6	X	18.6

- (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 residual fuel oil during 2010. The quantities are expressed in thousands of barrels, and therefore represent the quantity of residual fuel oil that could have been displaced by the given alternative type of energy.
- (c) Total Consumed' represents those quantities (Total Inputs) of residual 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 residual 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.

Released: July 2013

Next MECS will be fielded in 2015

RSE Table 10.4 Relative Standard Errors for Table 10.4; Unit: Percents.

Residual Fuel Oil Alternative Energy Sources(b)

									Coal Coke	
NAICS	Total		Not	Electricity	Natural	Distillate			and	
Code(a) Selected Subsectors and Industry	Consumed(c)	Switchable	Switchable	Receipts(d)	Gas	Fuel Oil	Coal	LPG	Breeze	Other(e)

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.'