## Table 10.4 Capability to Switch Residual Fuel Oil to Alternative Energy Sources, 2014;

Row: NAICS Codes
Column: Energy Sources;
Unit: Million Barrels.

Residual Fuel Oil Alternative Energy Sources(b)

										Coal Coke	
NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	-	Natural Gas	Distillate Fuel Oil	Coal	HGL (excluding natural gasoline)	and Breeze	Other(e)
		Total United Sta	<b>.</b>								
311	Food	Total United Sta	*	*	0	*	*	0	0	0	*
3112	Grain and Oilseed Milling	*	*	*	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
3114	Fruit and Vegetable Preserving and Specialty Food	*	*	*	0	*	*	0	0	0	0
3115 3116	Dairy Product  Animal Slaughtering and Processing	*	*	*	0	*	0	0	0	0	0
312	Beverage and Tobacco Products	*	*	*	0	*	0	0	0	0	0
3121	Beverages	0	0	0		0	0	0	0	0	0
3122	Tobacco	*	*	*	0	*	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	0	0
316	Leather and Allied Products	*	0	*	0	0	0	0	0	0	0
321	Wood Products Sawmills	*	0	*	0	0	0	0	0	0	0
321113	Veneer, Plywood, and Engineered Woods	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
322	Paper	3	*	2	*	*	*	*	*	0	*
322110	Pulp Mills	*	*	*	0	*	*	0	0	0	0
322121	Paper Mills, except Newsprint	1	*	1	*	*	*	*	0	0	*
322122	Newsprint Mills	0	0	0	0	0	0 *	0	0 *	0	0
322130	Paperboard Mills	1	0	1 *		0	0	0	0	0	
323 324	Printing and Related Support  Petroleum and Coal Products	1	*	*	0	*	*	0	*	0	0
324110	Petroleum Refineries	*	*	*	0	*	*	0	*	0	*
324121	Asphalt Paving Mixture and Block	*	*	*	0	*	*	0	*	0	0
324122	Asphalt Shingle and Coating Materials	*	0	*	0	0	0	0	0	0	0
324199	Other Petroleum and Coal Products	0	0	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
325120	Industrial Gases	0	0	0	0	0	0 0	0	0	0	0
325180 325193	Other Basic Inorganic Chemicals  Ethyl Alcohol	0	0	0	0	0	0	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0	0	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
325212	Synthetic Rubber	0	0	0	0	0	0	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	*	*	*	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
3254 325412	Pharmaceuticals and Medicines  Pharmaceutical Preparation	0	0	0	0	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	*	*	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
327120	Clay Building Material and Refractories	*	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
327213	Glass Containers	0	0	0		0	0	0	0	0	0
327215 327310	Glass Products from Purchased Glass  Cements	*	*	*	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	0	0
331110	Iron and Steel Mills and Ferroalloys	*	*	*		*	*	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	0	0
331315 331318	Aluminum Sheet, Plate and Foils  Other Aluminum Rolling, Drawing and Extruding	*	0	0		0	0 0	0	0	0	
331310	Care. Administrationing, Drawing and Extracting										

3314	Nonferrous Metals, except Aluminum	0	0	0	0	0	0	0	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0	0	0	0	0	0	0	0	0
3315	Foundries	*	0	*	0	0	0	0	0	0
331511	Iron Foundries	*	0	*	0	0	0	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	0	0	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	0	*	0	0	0	0	0	0
332	Fabricated Metal Products	0	0	0	0	0	0	0	0	0
333	Machinery	*	0	*	0	0	0	0	0	0
334	Computer and Electronic Products	*	0	*	0	0	0	0	0	0
334413 335	Semiconductors and Related Devices  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
336111	Automobiles	0	0	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	*	0	*	0	0	0	0	0	0
336411	Aircraft	*	0	*	0	0	0	0	0	0
337	Furniture and Related Products	0	0	0	0	0	0	0	0	0
339	Miscellaneous	*	0	*	0	0	0	0	0	0
	Total	5	1	4	*	1	*	*	*	0
311	Food No	rtheast Census Region *	*	*	0	*	0	0	0	0
3112	Grain and Oilseed Milling	0	0	0	0	0	0	0	0	0
311221	Wet Corn Milling	0	0	0	0	0	0	0	0	0
31131	Sugar Manufacturing	0	0	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	*	*	*	0	*	0	0	0	0
3115	Dairy Product	*	*	*	0	*	0	0	0	0
3116	Animal Slaughtering and Processing	*	0	*	0	0	0	0	0	0
312	Beverage and Tobacco Products	0	0	0	0	0	0	0	0	0
3121	Beverages	0	0	0	0	0	0	0	0	0
3122	Tobacco	0	0	0	0	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	0	0
315	Apparel	0	0	0 *	0	0	0	0	0	0
316 321	Leather and Allied Products  Wood Products	*	0	*	0	0	0	0	0 0	0
321113	Sawmills	*	0	*	0	0	0	0	0	0
3211	Veneer, Plywood, and Engineered Woods	0	0	0	0	0	0	0	0	0
321219	Reconstituted Wood Products	0	0	0	0	0	0	0	0	0
3219	Other Wood Products	0	0	0	0	0	0	0	0	0
322	Paper	1	*	1	*	*	*	0	*	0
322110	Pulp Mills	0	0	0	0	0	0	0	0	0
322121	Paper Mills, except Newsprint	1	*	1	*	*	*	0	0	0
322122	Newsprint Mills	0	0	0	0	0	0	0	0	0
322130	Paperboard Mills	*	*	0	*	*	0	0	*	0
323	Printing and Related Support	*	0	*	0	0	0	0	0	0
324	Petroleum and Coal Products	*	*	*	0	*	*	0	0	0
324110	Petroleum Refineries	*	*	0	0		*	0	0	0
324121 324122	Asphalt Paving Mixture and Block  Asphalt Shingle and Coating Materials	0	0	0	0	0	0	0	0 0	0
324199 325	Other Petroleum and Coal Products  Chemicals	*	*	*	0	*	0	0	0	0
325110	Petrochemicals	0	0	0	0	0	0	0	0	0
325110	Industrial Gases	0	0	0	0	0	0	0	0	0
325180	Other Basic Inorganic Chemicals	0	0	0	0	0	0	0	0	0
325193	Ethyl Alcohol	0	0	0	0	0	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0	0	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	0	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	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	0	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	*	0	*	0	0	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0
3254	Pharmaceutical and Medicines	0	0	0	0	0	00	0	0	0
325412 325992	Pharmaceutical Preparation  Photographic Film, Paper, Plate, and Chemicals	0	0	0	0	0	0	0	0	0
325992	Plastics and Rubber Products	0	0	0	0	0	0	0	0	0
327	Nonmetallic Mineral Products	*	0	*	0	0	0	0	0	0
327120	Clay Building Material and Refractories	0	0	0	0	0	0	0	0	0
327211	Flat Glass	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
327213	Glass Containers	0	0	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	0	0	0	0	0	0	0	0	0
327310	Cements	*	0	*	0	0	0	0	0	0
327410	Lime	0	0	0	0	0	0	0	0	0
327420	Gypsum	0	0	0	0	0	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0	0	0	0

331	Primary Metals	*	*	*	0	* (	)	0	0	0	0
331110	Iron and Steel Mills and Ferroalloys	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
331314 331315	Secondary Smelting and Alloying of Aluminum	0 *	0 *	0	0	*		0	0	0	0
331318	Aluminum Sheet, Plate and Foils  Other Aluminum Rolling, Drawing and Extruding	*	0	0	0		) )	0	0	0	0
331318	Nonferrous Metals, except Aluminum	0	0	0	0	0 (		0	0	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0	0	0	0		)	0	0	0	0
3315	Foundries	*	0	*	0	0 (	)	0	0	0	0
331511	Iron Foundries	0	0	0	0	0 (	)	0	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	0	0	0	0	0 (	)	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	0	*	0		)	0	0	0	0
332	Fabricated Metal Products	0	0	0	0	0 (		0	0	0	0
333	Machinery	0	0	0 *	0	0		0	0	0	0
334	Computer and Electronic Products	*	0	*	0	0 (		0	0	0	0
334413 335	Semiconductors and Related Devices  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
336111	Automobiles	0	0	0	0	0		0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0		0	0	0	0
3364	Aerospace Product and Parts	*	0	*	0	0 (	)	0	0	0	0
336411	Aircraft	*	0	*	0	0 (	)	0	0	0	0
337	Furniture and Related Products	0	0	0	0	0 (	)	0	0	0	0
339	Miscellaneous	*	0	*	0		)	0	0	0	0
	Total	2	*	11	*	*	*	0	*	0	*
		Midwest Census Region									
311	Food	*	*	*	0	* (	)	0	0	0	0
3112	Grain and Oilseed Milling	*	*	*	0	* (	)	0	0	0	0
311221	Wet Corn Milling	0	0	0	0	0 (	)	0	0	0	0
31131	Sugar Manufacturing	*	*	*	0	*	)	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	*	0	*	0	0 (		0	0	0	0
3115	Dairy Product	*	*	0	0		)	0	0	0	0
3116	Animal Slaughtering and Processing			0	0	'	<u>)</u>	0	0	0	0
312 3121	Beverage and Tobacco Products	0	0	0	0	0 (		0	0	0	0
3122	Beverages Tobacco	0	0	0	0	0 (		0	0	0	0
313	Textile Mills	0	0	0	0	0 (		0	0	0	0
314	Textile Product Mills	0	0	0	0	0 (	)	0	0	0	0
315	Apparel	0	0	0	0	0 (	)	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0 (	)	0	0	0	0
321	Wood Products	*	0	0	0	0 (		0	0	0	0
321113	Sawmills	*	0	0	0	0 (		0	0	0	0
3212	Veneer, Plywood, and Engineered Woods	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
322	Paper	*	*	*	0	*		*	0	0	0
322110	Pulp Mills	0	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	0
322130	Paperboard Mills	*	*	0	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	0
324110	Petroleum Refineries	0 *	*	0 *	0		) *	0	0	0	0
324121 324122	Asphalt Paving Mixture and Block Asphalt Shingle and Coating Materials	*	0	*	0		- )	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	0
325110	Petrochemicals	0	0	0	0		)	0	0	0	0
325120	Industrial Gases	0	0	0	0	0 (	)	0	0	0	0
325180	Other Basic Inorganic Chemicals	0	0	0	0	0 (	)	0	0	0	0
325193	Ethyl Alcohol	0	0	0	0	0 (	)	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	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
325212 325220	Synthetic Rubber  Artificial and Synthetic Fibers and Filaments	0 0	0	0	0		) )	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments  Nitrogenous Fertilizers	0	0	0	0		) )	0	0	0	0
325311	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	0	0
326	Plastics and Rubber Products	0	0	0	0	0 (	)	0	0	0	0
	Nonmetallic Mineral Products	0	0	0	0	0 (	)	0	0	0	0
327											
327120 327211	Clay Building Material and Refractories 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
327213	Glass Containers	0	0	0	0 0	0	0	0	0
327215	Glass Products from Purchased Glass	0	0	0	0 0	0	0	0	0
327310	Cements	0	0	0	0 0	0	0	0	0
327410	Lime	0	0	0	0 0	00	0	0	0
327420	Gypsum	0	0	0	0 0	0	0	0	0
327993	Mineral Wool	0	0	0	0 0	0	0	0	0
331 331110	Primary Metals	*	0	*	0 0	0	0	0	0
3312	Iron and Steel Mills and Ferroalloys  Steel Products from Purchased Steel	0	0	0	0 0	0	0	0	0
3313	Alumina and Aluminum	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
331315	Aluminum Sheet, Plate and Foils	0	0	0	0 0	0	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	0	0	0	0 0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	0	0	0	0 0	0	0	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0	0	0	0 0	0	0	0	0
3315	Foundries	*	0	*	0 0	0	0	0	0
331511	Iron Foundries	*	0	*	0 0	0	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	0	0	0	0 0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0 0	0	0	0	0
332	Fabricated Metal Products	0	0	0	0 0	0	0	0	0
333	Machinery	0	0	0	0 0	00	0	0	0
334	Computer and Electronic Products	0	0	0	0 0	0	0	0	0
334413	Semiconductors and Related Devices	0	0	0	0 0	0	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0	0 0	0	0	0	0
336 336111	Transportation Equipment  Automobiles	0	0	0	0 0	0	0	0	0
336111	Light Trucks and Utility Vehicles	0	0	0	0 0	0	0	0	0
3364	Aerospace Product and Parts	*	0	*	0 0	0	0	0	0
336411	Aircraft	0	0	0	0 0	0	0	0	0
337	Furniture and Related Products	0	0	0	0 0	0	0	0	0
339	Miscellaneous	0	0	0	0 0	0	0	0	0
	Total	*	*	*	0 *	*	*	0	0
		South Census Region							
311	Food	*	*	*	0 *	*	0	0	0
3112	Grain and Oilseed Milling	*	*	0	0 *	00	0	0	0
311221	Wet Corn Milling	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 Food		*	*		*	0	0	0
3115 3116	Dairy Product	0 *	0	0	0 0	0	0	0	0
3116	Animal Slaughtering and Processing  Beverage and Tobacco Products	*	*	*	0 *	0	0	0	0
3121	Beverages	0	0	0	0 0	0	0	0	0
3122	Tobacco	*	*	*	0 *	0	0	0	0
313	Textile Mills	*	*	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
316	Leather and Allied Products	*	0	0	0 0	0	0	0	0
321	Wood Products	*	0	*	0 0	0	0	0	0
321113	Sawmills	0	0	0	0 0	0	0	0	0
3212	Veneer, Plywood, and Engineered Woods	0	0	0	0 0	0	0	0	0
321219	Reconstituted Wood Products	0	0	0	0 0	0	0	0	0
3219	Other Wood Products	*	0	*	0 0	0	0	0	0
322	Paper	1	*	1	* *	*	*	0	0
322110	Pulp Mills	*	*	*	0 *	*	0	0	0
322121	Paper Mills, except Newsprint	*	*	*	0 *	*	*	0	0
322122	Newsprint Mills Paperboard Mills	0	o *	0	0 0	0 *	0	0	0
322130	Printing and Related Support	1		1				0	0
323 324		0	o *	*	0 0	0 *	0	0 *	0
324110	Petroleum and Coal Products  Petroleum Refineries	*	0	*	0 0	0	0	0	0
324110	Asphalt Paving Mixture and Block	*	*	*	0 *	*	0	*	0
324122	Asphalt Shingle and Coating Materials	0	0	0	0 0	0	0	0	0
324199	Other Petroleum and Coal Products	0	0	0	0 0	0	0	0	0
		*	*	*	0 *	*	0	0	0
325	Chemicals			0		0	0	0	0
325 325110	Chemicals  Petrochemicals	0	0		0 0	U			
		0	0	0	0 0	0	0	0	0
325110	Petrochemicals						0	0	0
325110 325120	Petrochemicals Industrial Gases	0	0	0	0 0	0			
325110 325120 325180	Petrochemicals Industrial Gases Other Basic Inorganic Chemicals	0	0	0	0 0 0	0	0	0	0
325110 325120 325180 325193	Petrochemicals Industrial Gases Other Basic Inorganic Chemicals Ethyl Alcohol	0 0 0	0 0 0	0 0 0	0 0 0 0 0 0	0 0	0	0	0
325110 325120 325180 325193 325194	Petrochemicals Industrial Gases Other Basic Inorganic Chemicals Ethyl Alcohol Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0 0 0 0 0 *	0 0 0 0 0	0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0	0 0 0 0
325110 325120 325180 325193 325194 325199 325211 325212	Petrochemicals Industrial Gases Other Basic Inorganic Chemicals Ethyl Alcohol Cyclic Crudes, Intermediate and Gum and Wood Chemicals Other Basic Organic Chemicals Plastics Materials and Resins Synthetic Rubber	0 0 0 0 0 *	0 0 0 0 0	0 0 0 0 *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
325110 325120 325180 325193 325194 325199 325211 325212 325220	Petrochemicals Industrial Gases Other Basic Inorganic Chemicals Ethyl Alcohol Cyclic Crudes, Intermediate and Gum and Wood Chemicals Other Basic Organic Chemicals Plastics Materials and Resins Synthetic Rubber Artificial and Synthetic Fibers and Filaments	0 0 0 0 * * *	0 0 0 0 0 0 0	0 0 0 * * *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0
325120 325180 325193 325194 325199 325211 325212	Petrochemicals Industrial Gases Other Basic Inorganic Chemicals Ethyl Alcohol Cyclic Crudes, Intermediate and Gum and Wood Chemicals Other Basic Organic Chemicals Plastics Materials and Resins Synthetic Rubber	0 0 0 0 0 *	0 0 0 0 0	0 0 0 0 *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0

325312

Phosphatic Fertilizers

Pharmaceutical Preparation Photographic Film, Paper, Plate, and Chemicals Plastics and Rubber Products Ionmetallic Mineral Products Clay Building Material and Refractories Flat Glass Other Pressed and Blown Glass and Glassware Glass Containers Glass Products from Purchased Glass Cements Lime Gypsum Mineral Wool Primary Metals Iron and Steel Mills and Ferroalloys Steel Products from Purchased Steel Alumina and Aluminum Secondary Smelting and Alloying of Aluminum	0 0 0 * * 0 0 0 0 * * * 0 0 0 0	0 0 0 * 0 0 0 0 0 0	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
Plastics and Rubber Products Clay Building Material and Refractories Flat Glass Other Pressed and Blown Glass and Glassware Glass Containers Glass Products from Purchased Glass Cements Lime Sypsum Mineral Wool Primary Metals Iron and Steel Mills and Ferroalloys Steel Products from Purchased Steel Alumina and Aluminum	0 *  *  0  0  0  0  0  0  0  *  *  0  0	0 * 0 0 0 0 0 0 0 0 0	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0
Ionmetallic Mineral Products Clay Building Material and Refractories Flat Glass Other Pressed and Blown Glass and Glassware Glass Containers Glass Products from Purchased Glass Cements Lime Gypsum Mineral Wool vrimary Metals Iron and Steel Mills and Ferroalloys Steel Products from Purchased Steel Alumina and Aluminum	*     *     0     0     0     *     *     0     0     0     *     *     0     0     0     *     *	* 0 0 0 0 0 0 * 0 0 0 0 0 0 0 0 0 0 0 0	* (0 0 (0 0 (0 * (0 * (0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* 0 0 0 0 0 0 0 0 0	0 0 0
Clay Building Material and Refractories Flat Glass Other Pressed and Blown Glass and Glassware Glass Containers Glass Products from Purchased Glass Cements Lime Gypsum Mineral Wool Primary Metals Iron and Steel Mills and Ferroalloys Steel Products from Purchased Steel Alumina and Aluminum	* 0 0 0 0 * * 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 *	* (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0
Flat Glass Other Pressed and Blown Glass and Glassware Glass Containers Glass Products from Purchased Glass Cements Lime Gypsum Mineral Wool rrimary Metals Iron and Steel Mills and Ferroalloys Steel Products from Purchased Steel Alumina and Aluminum	0 0 0 * * 0 0 0 0 *	0 0 0 0 *	0 (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0
Other Pressed and Blown Glass and Glassware Glass Containers Glass Products from Purchased Glass Cements Lime Gypsum Mineral Wool rrimary Metals Iron and Steel Mills and Ferroalloys Steel Products from Purchased Steel Alumina and Aluminum	0 0 * * 0 0 0 0 *	0 0 0 * 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0	0
Glass Containers Glass Products from Purchased Glass Cements Lime Gypsum Mineral Wool Trimary Metals Iron and Steel Mills and Ferroalloys Steel Products from Purchased Steel Alumina and Aluminum	0 * * 0 0 0 0 *	0 0 * 0	0 ( * (	) 0 ) 0 ) 0	0 0	0 0	0
Glass Products from Purchased Glass Cements Lime Gypsum Mineral Wool rimary Metals Iron and Steel Mills and Ferroalloys Steel Products from Purchased Steel Alumina and Aluminum	* * 0 0 0 * * * * * * * *	0 * 0	* (	0 0	0 0		
Cements Lime Sypsum Mineral Wool vrimary Metals Iron and Steel Mills and Ferroalloys Steel Products from Purchased Steel Alumina and Aluminum	* 0 0 0 * * *	* 0 0	* (	0		0	0
Lime Gypsum Mineral Wool Primary Metals Iron and Steel Mills and Ferroalloys Steel Products from Purchased Steel Alumina and Aluminum	0 0 0 *	0					
Gypsum Mineral Wool Primary Metals Iron and Steel Mills and Ferroalloys Steel Products from Purchased Steel Alumina and Aluminum	0 0 *	0	0 (			* 0	0
Mineral Wool Primary Metals Iron and Steel Mills and Ferroalloys Steel Products from Purchased Steel Alumina and Aluminum	0 *			0	0 0	0 0	0
rrimary Metals Iron and Steel Mills and Ferroalloys Steel Products from Purchased Steel Alumina and Aluminum	*	0	0 0		0 0	·	0
Iron and Steel Mills and Ferroalloys Steel Products from Purchased Steel Alumina and Aluminum	*		0 (		0 0		0
Steel Products from Purchased Steel Alumina and Aluminum		*	0 (		* 0	0 0	0
Alumina and Aluminum		*	0 0		* 0		0
	0	0	0 0		0 0		0
Secondary Smelting and Alloying of Aluminum	0	0	0 0		0 0		0
	0	0	0 0		0 0		0
Aluminum Sheet, Plate and Foils	0	0	0 0		0 0		0
Other Aluminum Rolling, Drawing and Extruding	0	0	0 0		0 0		0
Nonferrous Metals, except Aluminum	0	0	0 0		0 0		0
Nonferrous Metal (except Aluminum) Smelting and Refining	0	0	0 0		0 0		0
Foundries							0
							0
						·	0
Aluminum Foundries, except Die-Casting							0
							0
Aachinery							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
		*					0
vood		0	0 0	0 0	0 (	0 0	0
		0					0
Vet Corn Milling	0	0	0 0	0 0	0 (	0 0	0
ugar Manufacturing	0	0	0 (	0		0 0	0
ruit and Vegetable Preserving and Specialty Food	0	0	0 0	0	0 0	0 0	0
Dairy Product	0	0	0 (	0	0 0	0 0	0
nimal Slaughtering and Processing	0	0	0 0	0	0 0	0 0	0
Severage and Tobacco Products	0	0	0 0	0	0 0	0 0	0
Beverages	0	0	0 (	0	0 0	0 0	0
Tobacco	0	0	0 (	0	0 0	0 0	0
extile Mills	0	0	0 (	0	0 0	0 0	0
extile Product Mills	0	0	0 (	0	0 0	0 0	0
pparel	0	0	0 (	0	0 0	0 0	0
eather and Allied Products	0	0		0			0
Vood Products	0	0					0
Sawmills	0	0					0
Veneer, Plywood, and Engineered Woods	0	0					0
Reconstituted Wood Products	0	0					0
Other Wood Products	0	0					0
'aper	*	0					0
Pulp Mills		0					0
	0	0					0
Newsprint Mills							0
Paperboard Mills							0
rinting and Related Support							0
etroleum and Coal Products				<b>,</b>		· · · · · · · · · · · · · · · · · · ·	0
							0
Asphalt Paving Mixture and Block							0
							0
Other Petroleum and Coal Products							0
Chemicals	0	0	0 0		0 0		0
Petrochemicals	0	0	0 (	0	0 0	0 0	0
	-	_					
Industrial Gases Other Basic Inorganic Chemicals	0	0	0 0	0	0 0		0
FC III NA CO	oundries ron Foundries Nonferrous Metal Die-Casting Foundries Muminum Foundries, except Die-Casting bricated Metal Products achinery Imputer and Electronic Products emiconductors and Related Devices extrical Equip, Appliances, and Components ansportation Equipment Intomobiles ight Trucks and Utility Vehicles rospace Product and Parts rcraft rmiture and Related Products iscellaneous stal  V  ood anin and Oilseed Milling et Corn Milling gar Manufacturing uit and Vegetable Preserving and Specialty Food airing Islaughtering and Processing everage and Tobacco Products severages obacco extile Mills extile Product Mills parel ather and Allied Products ood Products everage Typywood, and Engineered Woods Reconstituted Wood Products Other Wood Pr	Description   Communication   Communication	Doubtries   0	Doundries	Daudrides	Sundries	Sundrines

325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	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	0	0	0	0	0	0	0	0	0 0
325212	Synthetic Rubber	0	0	0	0	0	0	0	0	0 0
325220	Artificial and Synthetic Fibers and Filaments	0	0	0	0	0	0	0	0	0 0
325311	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
325412	Pharmaceutical Preparation	0	0		0	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	0	0		0	0	0	0		0 0
327120	Clay Building Material and Refractories	0	0		0	0	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	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		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		0	0	0	0		0 0
331110	Iron and Steel Mills and Ferroalloys	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 0
331314	Secondary Smelting and Alloying of Aluminum	0	0		0	0	0	0		0 0
331315	Aluminum Sheet, Plate and Foils  Other Aluminum Balling Deswing and Estauding	0	0		0	0	0	0		0 0
331318	Other Aluminum Rolling, Drawing and Extruding	0	0		0		0	0		
3314 331410	Nonferrous Metals, except Aluminum  Nonferrous Metal (except Aluminum) Smelting and Refining	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
331523	Nonferrous Metal 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		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	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 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		0 0
	Total	1	*		0	*	*	0	*	0 *
	Economic Characteristic (f)									
	Value of Shipments and Receipts									
	(million dollars)									
	Under 20	*	*	*	*	*	*	0	*	0 *
	20-49	*	*	*	0	*	0	0	0	0 *
	50-99	*	*	*	0	*	0	*	0	0 0
	100-249	1	*	1	0	*	*	*	0	0 0
	250-499	1	*	1	0	*	*	*		0 *
	500 and Over	2	1	1	*	*	*	*		0 *
	Total	5	1	4	*	1	*	*	*	0 *
	Employment Size									
	Under 50	*	*	*	*	*	*	0		0 *
	50-99	*	*		0	*	0	0		0 0
	100-249	1	*		0	*	*	*		0 *
	250-499	1	*		0	*	*	*		0 0
	500-999	2	*		*	*	*	*		0 *
	1000 and Over	*	*	*	0	*	0	0	0	0 0

<sup>(</sup>a) The Bureau of the Census classifies establishments using the 2012 North American Industry Classification System (NAICS).

Total

<sup>(</sup>b) 'Alternative Energy Sources' consist of those energy sources that could have been substituted for residual fuel oil during 2014. 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.

<sup>(</sup>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.

\* 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.

Sources: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey,' and the Bureau of the Census, data files for the '2014 Annual Survey of Manufactures.'

## RSE Table 10.4 Relative Standard Errors for Table 10.4;

Unit: Percents.

		Re	esidual Fuel Oil				Alternative I	Energy Sources(b)		
NAICS Code(a)	Subsector and Industry	Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Natural Gas	Distillate Fuel Oil	HGL (excluding Coal ural gasoline)	Coal Coke and Breeze	Other(e)
		Total United Sta	ites							
311	Food	16.2	8.5	6.4	X	9.1	0.1	X X	X	55.7
3112	Grain and Oilseed Milling	37.1	44.1	56.6	X	44.1	X	X X	X	
311221	Wet Corn Milling	X	X	X	X	X	X	XX	X	
31131	Sugar Manufacturing	0.1	0.1	0.1	X	0.1	0.1	XX	X	
3114 3115	Fruit and Vegetable Preserving and Specialty Food  Dairy Product	5.5 0.4	0.1 1.5	8.2 0.1	X X	0.1 1.5	0.1 X	X X X	X	
3116	Animal Slaughtering and Processing	14.9	0.1	23.7	^ X	0.1	X	x		
312	Beverage and Tobacco Products	0.1	0.1	0.1	X	0.1	X	x	X	
3121	Beverages	X	X	X	X	X	X	X X	X	
3122	Tobacco	0.1	0.1	0.1	Х	0.1	X	Х Х	X	
313	Textile Mills	48.0	57.5	0.1	Х	77.6	20.1	X X	Х	0.1
314	Textile Product Mills	0.1	X	0.1	Х	Х	Х	X X	Х	Х
315	Apparel	X	X	Х	Х	Х	Х	X X	Х	Х
316	Leather and Allied Products	67.2	X	78.4	X	X	X	X X	Х	Х
321	Wood Products	0.1	X	0.1	X	X	X	X X	X	
321113	Sawmills	0.1	X	0.1	X	X	X	X X	X	
3212	Veneer, Plywood, and Engineered Woods	X	X	X	X	X	X	X X	X	
321219	Reconstituted Wood Products	X	X	X	X	X	X	X X	X	
3219	Other Wood Products	0.1	X	0.1	X	X	X	XX	X	
322	Paper	0.1	0.1	0.1	0.1	0.1	0.1	0.1 0.1	X	
322110	Pulp Mills	0.0	0.0	0.0	X	0.0	0.0	X X	X	
322121	Paper Mills, except Newsprint	0.1	0.1	0.1	0.1	0.1	0.1	0.1 X	X	
322122	Newsprint Mills	X	X	X	X	X	X	X X	X	
322130	Paperboard Mills	0.0 51.8	0.0 X	0.0 51.8	0.0 X	0.0 X	0.0 X	0.0 0.0 X X	X	
323 324	Printing and Related Support  Petroleum and Coal Products	51.8	2.9	12.9	x	7.3	12.0	X 7.5	x	
324110	Petroleum Refineries	0.1	0.1	0.1	^_ X	0.1	0.1	X 0.1	^X	
324121	Asphalt Paving Mixture and Block	13.5	12.5	20.6	X	12.2	12.5	X 12.3	X	
324122	Asphalt Shingle and Coating Materials	0.1	X	0.1	X	X	X	X X		
324199	Other Petroleum and Coal Products	X	X	X	X	X	X	X X	X	
325	Chemicals	4.8	0.1	4.8	X	0.1	0.1	X X	X	
325110	Petrochemicals	X	X	X	Х	X	X	Х Х	X	
325120	Industrial Gases	X	X	Х	Х	Х	Х	X X	Х	Х
325180	Other Basic Inorganic Chemicals	X	Х	Х	Х	Х	Х	X X	Х	Х
325193	Ethyl Alcohol	X	X	Х	Х	Х	Х	X X	Х	Х
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	X	X	X	X	X	X	X X	X	X
325199	Other Basic Organic Chemicals	0.1	X	0.1	X	X	X	X X	X	
325211	Plastics Materials and Resins	17.8	0.1	43.5	X	0.1	X	X X	X	
325212	Synthetic Rubber	X	X	X	X	X	X	X X	X	
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	0.0	X	0.0	X	XX	X	
325311	Nitrogenous Fertilizers	0.1	X	0.1	X	X	X	XX	X	
325312	Phosphatic Fertilizers	0.0	0.0	0.0	X	X	0.0	XX	X	X
3254 325412	Pharmaceutical Propagation	X x	X	X		X	X	XX	X	
325992	Pharmaceutical Preparation  Photographic Film, Paper, Plate, and Chemicals	0.0	0.0			0.0		X X X		
325992	Plastics and Rubber Products	X	V.U	X	X X	V.U	X	X X X	X	
327	Nonmetallic Mineral Products	5.6	0.1	14.9	^ X	X	X	0.1 X	^ X	
327120	Clay Building Material and Refractories	59.3	X	59.3	X	X	X	X X	X	
327211	Flat Glass	X	X	X	X	X	X	x x		
327212	Other Pressed and Blown Glass and Glassware	X	X	X	X	X	X	X X	X	
327213	Glass Containers	X	X	X		X	X	x x	X	
327215	Glass Products from Purchased Glass	79.8	X	79.8	X	X	X	X X	X	
327310	Cements	0.1	0.1	0.1	Х	X	Х	0.1 X	Х	
327410	Lime	X	Х	Х	Х	Х	Х	X X	Х	Х
327420	Gypsum	X	X	X	X	X	Х	X X	X	Х
327993	Mineral Wool	X	X	X	X	X	X	XX	X	Х
331	Primary Metals	0.1	0.1	0.1	X	0.1	0.1	X X	X	
331110	Iron and Steel Mills and Ferroalloys	0.1	0.1	0.1	X	0.1	0.1	X X	X	
3312	Steel Products from Purchased Steel	X	X	X	X	X	X	X X	X	
3313	Alumina and Aluminum	0.1	0.1	0.1	X	0.1	X	X	X	
331314	Secondary Smelting and Alloying of Aluminum	X	X	X	X	X	X	X X	X	
331315	Aluminum Sheet, Plate and Foils	0.1	0.1	X		0.1	X	XX	X	
331318	Other Aluminum Rolling, Drawing and Extruding	0.1	X	X	X	X	X	x	X	

Nonferrous Metal (except Aluminum) Smelting and Refining Foundries Iron Foundries Nonferrous Metal Die-Casting Foundries	0.1 0.0	X X X	0.1 0.0	X	X X X	X X X	X X X	X X X	X	×
Iron Foundries Nonferrous Metal Die-Casting Foundries	0.0									Х
Nonferrous Metal Die-Casting Foundries		X	0.0	X	Y	~	~	V		
									X	>
	X	X	X	X	X	X	X	X	X	<del>)</del>
Aluminum Foundries, except Die-Casting	0.1	X	0.1	X	X	X	X	X	X	×
Fabricated Metal Products	X	X	X	X	X	X	X	X	X	X
Machinery	99.0	X	99.0	X	X	X	X	X	X	X
										X
										X
										^
										^
										^
										X
										X
							X			Х
		X			X		X			Х
Total	2.2	1.9	1.2	0.1	2.8	8.5	0.1	6.6	X	0.1
Food	25.0	0.1	0.8	X	0.1	X	X	X	X	X
Grain and Oilseed Milling	X	X	X	X	X	X	X	X	X	Х
Wet Corn Milling	X	X	X	X	X	X	X	X	X	X
Sugar Manufacturing	X	X	X	X	X	X	X	X	X	X
Fruit and Vegetable Preserving and Specialty Food	16.1	0.1	40.4	X	0.1	X	X	X	X	X
										X
										X
										X
										X
										X
										0.1
										X
										X
										X
										X
										^
										^
										X
										0.0
<del></del>										X
										0.0
										X
Paperboard Mills	0.0	0.0	x	0.0	0.0	X	X	0.0	X	0.0
Printing and Related Support	51.8	X	51.8	X	X	Х	Х	X	X	X
Petroleum and Coal Products	12.5	20.6	0.1	X	0.1	21.1	X	X	X	X
Petroleum Refineries	0.0	0.0	X	X	0.0	0.0	X	X	X	X
Asphalt Paving Mixture and Block	13.3	22.9	0.1	Х	Х	22.9	Х	X	Х	Х
Asphalt Shingle and Coating Materials	X	Х	X	Х	Х	Х	Х	X	Х	Х
Other Petroleum and Coal Products	X	X	X	Х	Х	Х	Х	X	Х	Х
Chemicals	61.0	0.1	69.2	Х	0.1	Х	Х	Х	Х	Х
Petrochemicals	X	X	X	Х	Х	Х	Х	X	Х	Х
Industrial Gases	X	X	X	X	X	X	X	X	X	Х
Other Basic Inorganic Chemicals	X	X	X	X	X	X	X	X	X	Х
Ethyl Alcohol	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X
Other Basic Organic Chemicals	X	X	X	X	X	X	X	X	X	X
Plastics Materials and Resins	0.1	0.1	X	X	0.1	X	X	X	X	X
Synthetic Rubber		X		X	X	X		X	X	X
										X
										X
										X
										X
										X
										X
										X
										X
										X
Flat Glass	X	X	X	X	X	X	X	X	X	X
	X	X	X	Х	X	X	X	X	X	Х
Other Pressed and Blown Glass and Glassware										
Glass Containers Glass Products from Purchased Glass	X	X X	X	X	X	X	X	X X	X	X
	Food Grain and Oilseed Milling Wet Corn Milling Sugar Manufacturing Fruit and Vegetable Preserving and Specialty Food Dairy Product Animal Slaughtering and Processing Beverage and Tobacco Products Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paperboard Mills Printing and Related Support Petroleum and Coal Products Asphalt Paving Mikture and Block Asphalt Shingle and Coating Materials Other Petroleum and Coal Products Chemicals Petrochemicals Industrial Gases Other Basic Inorganic Chemicals Ethyl Alcohol Cyclic Crudes, Intermediate and Gum and Wood Chemicals Other Basic Organic Chemicals Plastics Materials and Resins Synthetic Rubber Artificial and Synthetic Fibers and Filaments Nitrogenous Fertilizers Phosphatic Fertilizers Pharmaceuticals reproducts Pharmaceutical Preparation Photographic Film, Paper, Plate, and Chemicals Plastics and Rubber Products Nonmetallic Mineral Products Clay Building Material and Refractories	Semiconductors and Related Devices         X           Electrical Equip., Appliances, and Components         X           Transportation Equipment         0.1           Automobiles         X           Uight Trucks and Utility Vehicles         X           Aerospace Product and Parts         0.1           Aircraft         0.1           Furniture and Related Products         X           Miscellaneous         0.1           Total         2.2           Northeast Census           Food         25.0           Grain and Oilseed Milling         X           Wet Corn Milling         X           Sugar Manufacturing         X           Fruit and Vegetable Preserving and Specialty Food         16.1           Dairy Product         0.0           Animal Slaughtering and Processing         0.1           Beverage         X           Automatic Mills         X           Everages         X           Textile Product Mills         X           Apparel         X           Leather and Allied Products         X           Earther Mills         X           Veneer, Plywood, and Engineered Woods         X           Paper	Electroical Equipo, Appliances, and Components         X         X           Transportation Equipment         0.1         X           Automobiles         X         X           Light Trucks and Utility Vehicles         X         X           Aerospace Product and Parts         0.1         X           Alroral         0.1         X           Furniture and Related Products         0.1         X           Furniture and Related Products         0.1         X           Total         2.2         1.9           Forland         2.5         0.1           Total         2.5         0.1           Forland         2.5         0.1           Grain and Oliseed Milling         X         X           Wet Corn Milling         X         X           Sugar Manufacturing         X         X           Fruit and Vegetable Preserving and Specialty Food         16.1         0.1           Dairy Product         0.0         1.0         X           Sugar Manufacturing         X         X         X           Futut and Vegetable Preserving and Specialty Food         16.1         0.1         X           Sugar Product         0.1         X         X	Semiconductors and Related Devices         0.1         X	Semiconductors and Related Devices         0.1         X         X         X           Efectival Equip, Applianess, and Components         X	Semenduction and Related Devices         0.1         X         0.1         X	Semiconductor and Related Devices	Semiconfurcing and Related Deviews	Semiconductions and Related Devices	Seminonation of the lived Devolves

327410	Lime	Х	Х	х	х	Х	Х	Х	Х	Х	Х
327420	Gypsum	X	X	X	X	X	X	Х	X	X	Х
327993	Mineral Wool	X	X	X	X	X	X	X	X	X	X
331	Primary Metals	0.1	0.1	0.1	X	0.1	X	X	X	X	X
331110 3312	Iron and Steel Mills and Ferroalloys  Steel Products from Purchased Steel	X	X X	X	X	X X	X	X X	X	X	X
3313	Alumina and Aluminum	0.0	0.0	0.0	x	0.0	X	^	X	<u>^</u>	X X
331314	Secondary Smelting and Alloying of Aluminum	X	X	X	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	X	Х	0.0	X	Χ	X	X	Х
331318	Other Aluminum Rolling, Drawing and Extruding	0.0	X	Х	Х	Х	Х	Х	X	Х	Х
3314	Nonferrous Metals, except Aluminum	X	X	X	X	Х	X	Х	X	X	Х
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	X	X	X	X	X	X	X	X	X	X
3315	Foundries	0.1	X	0.1	X	X	X	X	X	X	X
331511	Iron Foundries	X	X	X	X	X	X	X	X	X	X
331523 331524	Nonferrous Metal Die-Casting Foundries	X 0.1	X	0.1	х х	X X	X	X X	X	X X	X X
332	Aluminum Foundries, except Die-Casting Fabricated Metal Products	X X	X	X	x	^ X	X	^	<u>^</u>	<u>^</u>	^
333	Machinery	X	X	X	X	X	X	^ X	X	X	X
334	Computer and Electronic Products	0.1	×	0.1	X	X	X	X	X	X	X
334413	Semiconductors and Related Devices	0.1	X	0.1	Х	X	X	X	X	X	Х
335	Electrical Equip., Appliances, and Components	Х	Х	X	Х	Х	Х	х	Х	Х	Х
336	Transportation Equipment	0.1	X	0.1	X	X	X	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	0.0	X	0.0	X	X	X	X	X	X	X X
336411 337	Aircraft  Furniture and Related Products	X	X	U.U	X X	X X	X	X	X x	X	X
339	Miscellaneous	0.1	X	0.1	x	^ X	X	^X		^ X	<u>^</u>
	Total	5.3	2.6	1.3	0.1	0.1	20.2	X	0.1	X	0.1
		Midwest Census Re	egion								
311	Food	12.8	17.9	12.2	X	17.9	X	X	X	X	Χ.
3112	Grain and Oilseed Milling	37.6	44.7	56.6	X	44.7	X	X	X	X	X
311221	Wet Corn Milling	X	X	X	X	X	X	X	X	X	X
31131 3114	Sugar Manufacturing Fruit and Vegetable Preserving and Specialty Food	0.0	0.0 X	0.0	X	0.0 X	X	X X	X	X	X X
3115	Dairy Product	17.3	13.3	X	x	13.3	<u>^</u>	^	x	^	<u>^</u>
3116	Animal Slaughtering and Processing	0.1	0.1	X	X	0.1	X	X	X	X	X
312	Beverage and Tobacco Products	X	X	X	X	X	X	X	X	X	X
3121	Beverages	Х	X	Х	Х	Х	Х	Х	X	Х	Х
3122	Tobacco	Х	X	Х	Х	Х	Х	х	X	Х	Х
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
316 321	Leather and Allied Products  Wood Products	X 0.1	X	X	X X	X X	X	X X	X	X	X
321113	Sawmills	0.1	X	<u>^</u> X	x	^ X	X	^	X	^	^
321113	Veneer, Plywood, and Engineered Woods	X	X	X	X	X	X	X	X	X	X
321219	Reconstituted Wood Products	X	Х	X	Х	X	X	X	X	X	X
3219	Other Wood Products	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
322	Paper	0.1	0.1	0.1	X	0.1	X	0.1	X	X	Х
322110	Pulp Mills	X	X	X	X	X	X	Х	X	X	Х
322121	Paper Mills, except Newsprint	0.1	0.1	0.1	X	0.1	X	0.1	X	X	X
322122	Newsprint Mills	X	X	X	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	0.0	X	X	0.0	X	X	X	X	X
323 324	Printing and Related Support  Petroleum and Coal Products	X 30.6	X 61.7	X 33.9	X	X X	X 61.7	X X	X	X	X X
324110	Petroleum Refineries	X X	X X	55.9 X	x	^ X	X X	^	x	^ X	^
324121	Asphalt Paving Mixture and Block	31.2	61.7	34.7	X	X	61.7	X	X	X	X
324122	Asphalt Shingle and Coating Materials	0.1	X	0.1	X	X	X	X	X	X	X
324199	Other Petroleum and Coal Products	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
325	Chemicals	0.1	0.1	X	X	0.1	X	X	X	Х	Х
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
325180	Other Basic Inorganic Chemicals	X	X	X	X	X	X	X	X	X	X
325193	Ethyl Alcohol  Oscilic Crudes, Intermediate and Gum and Wood Chemicals	X	X	X	X	X	X	X	X	X	X
325194 325199	Cyclic Crudes, Intermediate and Gum and Wood Chemicals  Other Basic Organic Chemicals	X x	X	X x	X	X X	X	X X	X	X	X X
J_JJJ	Plastics Materials and Resins	0.1	0.1	<u>^</u>	x	0.1	<u>^</u>	^	X	<u>^</u>	^
325211	Plastics Materials and Resilis				·						X
325211 325212	Synthetic Rubber		Х	X	X	X	Х	Χ	X	X	^
325211 325212 325220		X	x	X X	X X	X X	X	Х Х	x	X	X
325212	Synthetic Rubber	X									
325212 325220	Synthetic Rubber Artificial and Synthetic Fibers and Filaments	X X	X	X	X	Х	Х	Х	X	Х	Х

325412	Pharmaceutical Preparation	X	X	X	X	X	X		X	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	X	X	X	X	X	X	X	X	X	X
326	Plastics and Rubber Products	X	X	X	X	X	X		X	X	X
327	Nonmetallic Mineral Products	X	X	X	X	X	X		X	X	X
327120	Clay Building Material and Refractories	X	X	X	X	X	X		X	X	X
327211	Flat Glass	X	X	X	X	X	X		X	X	X
327212	Other Pressed and Blown Glass and Glassware	X	X	X	X	X	X		X	X	X
327213	Glass Containers	X	X	X	X	X	X		X	X	X
327215	Glass Products from Purchased Glass	X	X	X	X	X	X		X	X	X
327310	Cements	X	X	X	X	X	X		X	X	X
327410	Lime	X	X	X	X	X	X		X	X	X
327420	Gypsum	X	X	X	X	X	X		X	X	X
327993	Mineral Wool	X	X	X	X	X	X		X	X	X
331	Primary Metals	0.1	X	0.1	X	X	X		X	X	X
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	X	X	X		X	X	X
3312	Steel Products from Purchased Steel	X	X	X	X	X	X		X	X	X
3313	Alumina and Aluminum	X	X	X	X	X	X		X	X	X
331314	Secondary Smelting and Alloying of Aluminum	X	X	X	X	X	X		X	X	X
331315	Aluminum Sheet, Plate and Foils	X	X	X	X	X	X		X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	X	X	X	X	X	X		X	X	X
3314	Nonferrous Metals, except Aluminum	X	X	X	X	X	X		X	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	X	X	X	X	X	X		X	X	X
3315	Foundries	0.1	X	0.1	X	X	X		X	X	X
331511	Iron Foundries	0.0	X	0.0	X	X	X		X	X	X
331523	Nonferrous Metal Die-Casting Foundries	X	X	X	X	X	X		X	X	X
331524	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
333	Machinery	X	X	X	X	X	X		X	X	X
334	Computer and Electronic Products	X	X	X	X	X	X		X	X	X
334413	Semiconductors and Related Devices	X	X	X	X	X	X		X	X	X
335	Electrical Equip., Appliances, and Components	X	X	X	X	X	X		X	X	X
336	Transportation Equipment	0.1	X	0.1	X	X	X		X	X	X
336111	Automobiles	X	X	X	X	X	X		X	X	X
336112	Light Trucks and Utility Vehicles	X	X	X	X	X	X		X	X	X
3364	Aerospace Product and Parts	0.1	X	0.1	X	X	X		X	X	X
336411	Aircraft	X	X	X	X	X	X		X	X	X
337	Furniture and Related Products	X	X	X	X	X	X		X	X	X
339	Miscellaneous  Total	7.2	11.6	X 10.4	X	X 10.7	X 61.7		X X	X X	X
	i otai		11.0	10.4		10.7		0.1	^		^
		South Census Regi	on								
311	Food	13.8	1.2	20.0	Х	2.2	0.1	Х	Х	Х	55.7
3112	Grain and Oilseed Milling	55.7	55.7	X	Х	55.7	Х		X	X	55.7
311221	Wet Corn Milling	X	X	X	Х	Х	Х	X	X	X	X
31131	Sugar Manufacturing	0.1	0.1	X	Х	Х	0.1	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	0.1				0.1	0.1	X	X	X	X
3115	Dairy Product	X	0.1	0.1	X		0.1				X
3116	Animal Slaughtering and Processing	^	0.1 X	0.1 X	X	Х	X	X	X	Х	
312		16.3				X			X X	X	X
	Beverage and Tobacco Products	16.3	X	X 23.7	X	Х	X	X			
3121	Beverage and Tobacco Products Beverages		X	X	X X		X X	X	Х	Х	X
	Beverage and Tobacco Products  Beverages  Tobacco	16.3 0.1	X X 0.1	X 23.7 0.1	X X X	X 0.1	X X X	X X X	X X	X	X
3121	Beverages	16.3 0.1 X	X X 0.1 X	X 23.7 0.1 X	X X X	X 0.1 X	X X X	X X X	X X X	X X X	X X X
3121 3122	Beverages Tobacco	16.3 0.1 X 0.1	X X 0.1 X 0.1	X 23.7 0.1 X 0.1	X X X X	X 0.1 X 0.1	X X X X	X X X X	X X X	X X X	X X X X
3121 3122 313	Beverages Tobacco Textile Mills	16.3 0.1 X 0.1 67.5	X X 0.1 X 0.1 77.6	X 23.7 0.1 X 0.1 X	X X X X X	X 0.1 X 0.1 77.6	X X X X X X 20.1	X X X X X	X X X X	X X X X	Х
3121 3122 313 314	Beverages Tobacco Textile Mills Textile Product Mills	16.3 0.1 X 0.1 67.5 0.1	X X 0.1 X 0.1 77.6	X 23.7 0.1 X 0.1 X	X X X X X	X 0.1 X 0.1 77.6 X	X X X X X 20.1	X X X X X X	X X X X X	X X X X	X X X X X
3121 3122 313 314 315	Beverages Tobacco Textile Mills Textile Product Mills Apparel	16.3 0.1 X 0.1 67.5 0.1 X	X X 0.1 X 0.1 77.6 X	X 23.7 0.1 X 0.1 X 0.1	X X X X X X X X X	X 0.1 X 0.1 77.6 X	X X X X X 20.1 X	X X X X X X X X X X X X	X X X X X X	X X X X X	X X X X X
3121 3122 313 314 315 316	Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products	16.3 0.1 X 0.1 67.5 0.1 X 89.5	X X 0.1 X 0.1 77.6 X X	X 23.7 0.1 X 0.1 X 0.1 X	X X X X X X X	X 0.1 X 0.1 77.6 X X	X X X X X 20.1 X X	X X X X X X X X X X X X X X	X X X X X X X	X X X X X X	X X X X X X
3121 3122 313 314 315 316 321	Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products	16.3 0.1 X 0.1 67.5 0.1 X 89.5	X X 0.1 X 0.1 77.6 X X X	X 23.7 0.1 X 0.1 X 0.1 X 0.1 X	x x x x x x x x x	X 0.1 X 0.1 77.6 X X X	X X X X X 20.1 X X	x x x x x x x x x x x x x x x x x	X X X X X X X X	X X X X X X X	X X X X X X X
3121 3122 313 314 315 316 321 321113	Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills	16.3 0.1 X 0.1 67.5 0.1 X 89.5 0.1 X	X X 0.1 X 0.1 77.6 X X X X	X 23.7 0.1 X 0.1 X 0.1 X 0.1 X	x x x x x x x x x x	X 0.1 X 0.1 77.6 X X X X	X X X X X 20.1 X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X	x x x x x x x x x	x x x x x x x x x x x x x x x x x x x
3121 3122 313 314 315 316 321 321113 3212	Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods	16.3 0.1 X 0.1 67.5 0.1 X 89.5 0.1 X	X X 0.1 X 0.1 77.6 X X X X X	X 23.7 0.1 X 0.1 X 0.1 X 0.1 X X X	X X X X X X X X X X X	X 0.1 X 0.1 77.6 X X X X	X X X X 20.1 X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X	X X X X X X X X X X X X X X X X X X X
3121 3122 313 314 315 316 321 321113 3212 32129	Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products	16.3 0.1 X 0.1 67.5 0.1 X 89.5 0.1 X X	X X 0.1 X 0.1 77.6 X X X X X X	X 23.7 0.1 X 0.1 X 0.1 X 0.1 X X X X	X X X X X X X X X X X X	X 0.1 X 0.1 77.6 X X X X X	X X X X 20.1 X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x
3121 3122 313 314 315 316 321 321113 3212 321219 3219	Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products Other Wood Products	16.3 0.1 X 0.1 67.5 0.1 X 89.5 0.1 X X X X X 10.1	X X X 0.1 X 0.1 77.6 X X X X X X X	X 23.7 0.1 X 0.1 X 0.1 X 0.1 X X X 0.1 X	X X X X X X X X X X X X X X X X X X X	X 0.1 X 0.1 77.6 X X X X X X	X X X X 20.1 X X X X X X X X	X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x
3121 3122 313 314 315 316 321 321113 3212 321219 3219 322	Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products Other Wood Products Paper	16.3 0.1 X 0.1 67.5 0.1 X 89.5 0.1 X X X 0.1 0.1	X X 0.1 X 0.1 77.6 X X X X X X X X X X X	X 23.7 0.1 X 0.1 X 0.1 X 0.1 X X X 0.1 X X 0.1 X	X X X X X X X X X X X X X X X X X	X 0.1 X 0.1 77.6 X X X X X X X X X X X	X X X X 20.1 X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x
3121 3122 313 314 315 316 321 321113 3212 321219 3219 322 322110	Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products Other Wood Products Paper Pulp Mills	16.3 0.1 X 0.1 67.5 0.1 X 89.5 0.1 X X X 0.1 0.1 0.1	X X 0.1 X 0.1 77.6 X X X X X X X X X 0.1	X 23.7 0.1 X 0.1 X 0.1 X 0.1 X X 0.1 X X 0.1 0.1 X X 0.1 X X 0.1 X X X 0.1 0.1 0.0	X X X X X X X X X X X X X X X X	X 0.1 X 0.1 77.6 X X X X X X X X X X 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	X X X X 20.1 X X X X X X X X X X X X 0.1 0.1 0.1 0.1 0.1 0.1	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x
3121 3122 313 314 315 316 321 32113 32113 3212 321219 322 32210 322110	Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint	16.3 0.1 X 0.1 67.5 0.1 X 89.5 0.1 X X 0.1 0.1 0.0 0.0	X X 0.1 X 0.1 77.6 X X X X X X X X 0.1 0.1 0.0 0.0	X 23.7 0.1 X 0.1 X 0.1 X 0.1 X X 0.1 0.1 0.1 0.0 0.0	X X X X X X X X X X X X X X X X X X X	X 0.1 X 0.1 77.6 X X X X X X X X X X O.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0	X X X X 20.1 X X X X X X X X X X 0.1 0.0 0.0	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x
3121 3122 313 314 315 316 321 321113 3212 321219 322 322110 322121 322121	Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills	16.3 0.1 X 0.1 67.5 0.1 X 89.5 0.1 X X X X X X X X X X X X X X X X X X X	X X X 0.1 X 0.1 77.6 X X X X X X X X X X X X X X X X X X X	X 23.7 0.1 X 0.1 X 0.1 X X X 0.1 X X 0.1 0.1 X	X X X X X X X X X X X X X X X X X X X	X 0.1 X 0.1 77.6 X X X X X X X X X X X X X X X X X X X	X X X X 20.1 X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x
3121 3122 313 314 315 316 321 321113 32129 32129 3229 32210 322121 322122 322130	Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paperboard Mills	16.3 0.1 X 0.1 67.5 0.1 X 89.5 0.1 X X X X X X X X X X X X X X X X X X X	X X X 0.1 X 0.1 77.6 X X X X X X X X X X X X X X X X X X X	X 23.7 0.1 X 0.1 X 0.1 X 0.1 X X X 0.1 X X X 0.1 X X X X X 0.1 X X X X 0.1 0.0 0.0 0.0 0.0	X X X X X X X X X X X X X X X X X X X	X 0.1 X 0.1 77.6 X X X X X X X X X X X X X	X X X X 20.1 X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x
3121 3122 313 314 315 316 321 321113 32121 321219 3222 322110 322121 322122 322130 323	Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paperboard Mills Printing and Related Support	16.3 0.1 X 0.1 67.5 0.1 X 89.5 0.1 X X X X X X X X X X X X X X X X X X X	X X X 0.1 X 0.1 77.6 X X X X X X X X X X X X X X X X X X X	X 23.7 0.1 X 0.1 X 0.1 X X 0.1 X X X 0.1 X X X 0.1 X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X 0.1 X 0.1 77.6 X X X X X X X X X X X X X	X X X X 20.1 X X X X X X X 0.1 0.0 0.0 0.0 X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X
3121 3122 313 314 315 316 321 321113 3212 321219 3212 322120 322110 322121 322122 322130 323 324	Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paperboard Mills Printing and Related Support Petroleum and Coal Products	16.3 0.1 X 0.1 67.5 0.1 X 89.5 0.1 X X X X X X X X X X X X X X X X X X X	X X X 0.1 X 0.1 77.6 X X X X X X X X X X X X X X X X X X X	X 23.7 0.1 X 0.1 X 0.1 X 0.1 X X 0.1 X X X 0.1 X X X X X X X 0.1 0.1 0.0 0.0 X X 5.6	X X X X X X X X X X X X X X X X X X X	X 0.1 X 0.1 77.6 X X X X X X X X X X X X X	X X X X X 20.1 X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X
3121 3122 313 314 315 316 321 321113 3212 321219 32129 32210 322110 322121 322122 322130 323 324 324110	Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paperboard Mills Printing and Related Support Petroleum and Coal Products Petroleum Refineries	16.3 0.1 X 0.1 67.5 0.1 X 89.5 0.1 X X X X X X X X X X X 0.1 0.1 0.0 0.0 X X 0.0 X 0.0 0.0 X 0.0 0.0 0.0	X X X X 0.1 X 0.1 77.6 X X X X X X X X X X X X X X X X X X X	X 23.7 0.1 X 0.1 X 0.1 X 0.1 X X 0.1 X X 0.1 X X X X 0.1 X X X X 0.1 0.0 0.0 X 0.0 X 0.0 0.0 0.0 0.0 0.0 0.0	X X X X X X X X X X X X X X X X X X X	X 0.1 X 0.1 77.6 X X X X X X X X X X X X X	X X X X X X 20.1 X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X
3121 3122 313 314 315 316 321 32113 3212 321219 3229 322110 322121 322122 322130 323 324 324110 324211	Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Printing and Related Support Petroleum and Coal Products Petroleum Refineries Asphalt Paving Mixture and Block	16.3 0.1 X 0.1 67.5 0.1 X 89.5 0.1 X X X X X X X X X 0.1 0.1 0.0 0.0 X X X 0.0 7,7	X X X X 0.1 X 0.1 77.6 X X X X X X X X X X X X X X X X X X X	X 23.7 0.1 X 0.1 X 0.1 X 0.1 X X 0.1 X X X 0.1 X X X X 0.1 X X X 0.1 0.0 0.0 X X 0.0 7.6	X X X X X X X X X X X X X X X X X X X	X 0.1 X 0.1 77.6 X X X X X X X X X X X X X	X X X X X X 20.1 X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x
3121 3122 313 314 315 316 321 32113 3212 321219 322 322110 322121 322122 322123 322122 322130 323 324 324110 324121 324122	Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paperboard Mills Printing and Related Support Petroleum and Coal Products Petroleum Refineries Asphalt Paving Mixture and Block Asphalt Shingle and Coating Materials	16.3 0.1 X 0.1 67.5 0.1 X 89.5 0.1 X X X X X X X 0.1 0.1 0.0 0.0 X 0.0 X 6.8 0.0 7.7	X X X X 0.1 X 0.1 77.6 X X X X X X X X X X X X X X X X X X X	X 23.7 0.1 X 0.1 X 0.1 X 0.1 X X 0.1 X X 0.1 X X X 0.1 X X X 0.1 0.0 0.0 X X 0.0 X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X 0.1 X 0.1 77.6 X X X X X X X X X X X X X X X X X X X	X X X X X X 20.1 X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X
3121 3122 313 314 315 316 321 32113 3212 321219 322 322110 322121 322122 322130 323 324 324110 324121 324122 324199	Beverages Tobacco Textile Mills Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products Other Wood Products Other Wood Products Paper Pulp Mills Paper Mills, except Newsprint Newsprint Mills Paperboard Mills Printing and Related Support Petroleum and Coal Products Paptal Asphalt Paving Mixture and Block Asphalt Shingle and Coating Materials Other Petroleum and Coal Products	16.3 0.1 X 0.1 67.5 0.1 X 89.5 0.1 X X X X X X 0.1 0.1 0.0 0.0 X 0.0 X X X X X X X X X X X X X	X X X X 0.1 X 0.1 77.6 X X X X X X X X X X X X X X X X X X X	X 23.7 0.1 X 0.1 X 0.1 X 0.1 X X 0.1 X X X 0.1 X X X X 0.1 0.0 0.0 X X 0.0 X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X 0.1 X 0.1 77.6 X X X X X X X X X X X X X X X X X X X	X X X X X X 20.1 X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X

325180	Other Basic Inorganic Chemicals	v	Y	Y	· v	Y	v	Y	Y	Y	Y
		X	X	X			X	X	X	X	X
325193	Ethyl Alcohol	X	X	X			X	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	X	X	X			X	X	X	X	X
325199	Other Basic Organic Chemicals	0.1	X	0.1	. Х	X	X	Х	X	X	Х
325211	Plastics Materials and Resins	43.5	X	43.5	X	X	X	X	Χ	X	Χ
325212	Synthetic Rubber	X	X	Х	X	X	X	Х	X	X	Х
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	0.0	) X	0.0	X	Х	Χ	Χ	Х
325311	Nitrogenous Fertilizers	X	X	X			X	X	X	X	X
325312	Phosphatic Fertilizers	0.0	0.0	0.0			0.0	X	X	X	X
3254	Pharmaceuticals and Medicines	X	X	X			X	X	X	X	ΧΧ
325412	Pharmaceutical Preparation	X	X	Х	X	X	X	Х	X	X	Х
325992	Photographic Film, Paper, Plate, and Chemicals	X	X	Х	. X	X	Х	X	Χ	X	Χ
326	Plastics and Rubber Products	X	X	X	. x	X	X	X	X	Х	Х
327	Nonmetallic Mineral Products	6.1	0.1	26.8				0.1	X	X	X
327120	Clay Building Material and Refractories	59.3	X	59.3			X	X	X	X	X
327211	Flat Glass	X	X	X			X	X	X	X	Χ.
327212	Other Pressed and Blown Glass and Glassware	X	X	X	X	X	X	X	X	X	X
327213	Glass Containers	X	X	Х	X	X	Х	X	Χ	X	Χ
327215	Glass Products from Purchased Glass	79.8	X	79.8	X	X	X	Х	X	Х	X
327310	Cements	0.1	0.1	0.1				D.1	X	X	X
327410	Lime	X	X	X			X	X	X	X	X
327420	Gypsum	X	X	X			X	X	X	X	X
327993	Mineral Wool	X	X	X	X	X	X	X	X	X	X
331	Primary Metals	0.1	0.1	Х	X	0.1	0.1	Х	Х	Х	Х
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	X			0.0	Х	Χ	Х	X
3312	Steel Products from Purchased Steel	X	X	X			X	X	X	X	X
3313	Alumina and Aluminum	X	X	X			X	X	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	X	X	X			X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	X	X	X	X	X	X	X	X	X	Χ.
331318	Other Aluminum Rolling, Drawing and Extruding	X	Х	Х	X	X	X	Х	Х	X	Х
3314	Nonferrous Metals, except Aluminum	X	X	Х	X	X	X	Х	Х	X	Х
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	X	X	X			Χ	X	X	X	X
3315		X		X							X
	Foundries		X				X	X	X	X	
331511	Iron Foundries	X	X	X			X	X	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	X	X	X	X	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	X	X	Х	X	X	X	X	Χ	X	Χ
332	Fabricated Metal Products	X	Х	Х	X	X	X	Х	X	Х	Х
333	Machinery	99.0	X	99.0	) X		X	X	X	X	X
334	Computer and Electronic Products	X	X	X			X	X	X	X	X
334413	Semiconductors and Related Devices	X	X	X			X	X	X	X	X
335	Electrical Equip., Appliances, and Components	X	X	X	X	X	X	X	X	X	ΧΧ
336	Transportation Equipment	0.1	X	0.1	. X	X	X	Х	X	X	Х
336111	Automobiles	X	X	Х	. X	X	Х	X	Χ	X	Χ
336112	Light Trucks and Utility Vehicles	X	Х	X	X	X	X	Х	X	X	X
3364	Aerospace Product and Parts	X	X	X			X	X	X	X	X
336411	Aircraft	X	X	X			X	X	X	X	X
337	Furniture and Related Products	X	X	X			X	X	X	X	ΧΧ
339	Miscellaneous	X	X	X	X	X	X	Х	X	X	Х
	Total	1.4	5.8	1.4	0.1	9.7	6.7	0.1	12.3	Х	55.7
		West Census Region	,								
211	Enad			.,	, ,,		v	v			
311	Food	X	X	X			X	X	X	X	X
3112	Grain and Oilseed Milling	X	X	X			X	X	X	X	X
311221	Wet Corn Milling	X	X	X	X	X	X	X	X	X	X
31131	Sugar Manufacturing	X	Х	Х	X	Х	Х	Х	Х	Х	Х
3114	Fruit and Vegetable Preserving and Specialty Food	X	Х	X			X	Х	X	X	X
3115	Dairy Product	X	X	X			X	X	X	X	X
3116	Animal Slaughtering and Processing	X	X	X			X	X	X	X	X
312	Beverage and Tobacco Products	X	X	X			X	X	X	X	X
3121	Beverages	X	X	X	X	X	X	X	X	X	X
3122	Tobacco	X	Х	Х	X	X	X	Х	Х	Χ	Х
	Textile Mills	X	Х	X			X	Х	X	X	X
313	Textile IVIIII3		X	X			X	X	X	X	X
313		¥	^	^		^					
314	Textile Product Mills	X				V				X	Х
314 315	Textile Product Mills Apparel	X	Х	X			X	X	X		
314 315 316	Textile Product Mills Apparel Leather and Allied Products	X	X	X	X	X	X	Х	Х	X	Х
314 315	Textile Product Mills Apparel	X	Х	X	X X	X					
314 315 316	Textile Product Mills Apparel Leather and Allied Products	X	X	X	X X	X	X	Х	Х	X	Х
314 315 316 321	Textile Product Mills Apparel Leather and Allied Products Wood Products	X X X	X X X	X X X	X X X	X	X	X	X X X	X	X
314 315 316 321 321113 3212	Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods	X X X X	X X X X	X X X	X X X X X X	X X X	X	X X X	X X X	X X X	X X X
314 315 316 321 321113 3212 321219	Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products	X X X X X	x x x x x	X X X X	X X X X X X X X X X X X X X X X X X X	X X X X	x x x x	X X X X	X X X X	X X X X	X X X X
314 315 316 321 321113 3212 321219 3219	Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products Other Wood Products	X X X X X X X X X X X X X X X X X X X	X X X X X X	X X X X X	X X X X X X X X X X X	X X X X X	X X X X	X X X X X	X X X X X	X X X X X	X X X X X
314 315 316 321 321113 3212 321219 3219 322	Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products Other Wood Products Paper	X X X X X X X X 0.1	x x x x x x x x	X X X X X X X 0.1	x x x x x x x x x x x x x x x x	X X X X X X X	X X X X X	X X X X X X	X X X X X	X X X X X	X X X X X X
314 315 316 321 321113 3212 321219 3219	Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products Other Wood Products	X X X X X X X X X X X X X X X X X X X	X X X X X X	X X X X X	x x x x x x x x x x x x x x x x	X X X X X X X	X X X X	X X X X X	X X X X X	X X X X X	X X X X X
314 315 316 321 321113 3212 321219 3219 322	Textile Product Mills Apparel Leather and Allied Products Wood Products Sawmills Veneer, Plywood, and Engineered Woods Reconstituted Wood Products Other Wood Products Paper	X X X X X X X X 0.1	x x x x x x x x	X X X X X X X 0.1	x x x x x x x x x x x x x x x x x x x	X X X X X X X	X X X X X	X X X X X X	X X X X X	X X X X X	X X X X X X

322130	Paperboard Mills	0	X	0	X	X	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	6.6	0.1	21.9	X	0.1	0.1	X	0.1	X	0.1
324110	Petroleum Refineries	0.1	0.1	0.1	X	0.1	0.1	X	0.1	X	0.1
324121	Asphalt Paving Mixture and Block	55.0	X	55.0	X	X	X	X	X	X	X
324122	Asphalt Shingle and Coating Materials	X	X	X	X	X	X	X	X	X	X
324199	Other Petroleum and Coal Products	X	X	X	X	X	X	X	X	X	X
325	Chemicals	X	X	X	X	X	X	X	X	X	X
325110	Petrochemicals	X	X	X	X	X	X	X	X	X	X
325120	Industrial Gases Other Basic Inorganic Chemicals	X	X	X	X	X	X	X	X	X	X
325180	Ethyl Alcohol	X	X	X x	X	X	X	X	X	X X	X
325193 325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	X X	X	X	X	X	X	X X	X X	<u>x</u> 	X
325194	Other Basic Organic Chemicals	X	^X	^ X	<u>^</u>	^	X	<u>^</u>	<u>^</u> X	<u>^</u>	^
325211	Plastics Materials and Resins	X	^ X	X	x	^X	X	<u>^</u>	<u>^</u> X	^ X	^
325211	Synthetic Rubber	X	^X	^ X	^X	^X	<u>^</u>	^	<u>^</u> X	^ X	^
325220	Artificial and Synthetic Fibers and Filaments	X	X	X	X	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	X	X	X	X	X	X	X	X	X	X
325311	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
325412	Pharmaceutical Preparation	X	X	X	X	X	X	X	X	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	X	X	X	X	X	X	X	X	X	X
326	Plastics and Rubber Products	X	X	X	X	X	X	X	X	X	X
327	Nonmetallic Mineral Products	X	X	X	X	X	X	X	X	X	X
327120	Clay Building Material and Refractories	X	X	X	X	X	X	X	X	X	X
327211	Flat Glass	X	X	X	X	X	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	X	X	X	X	X	X	X	X	X	X
327213	Glass Containers	X	X	X	X	Х	Х	X	x	X	X
327215	Glass Products from Purchased Glass	X	X	x	X	X	X	X	X	X	X
327310	Cements	X	X	X	X	Х	Х	Х	X	Х	X
327410	Lime	X	X	X	Х	Х	Х	Х	X	Х	Х
327420	Gypsum	X	X	X	Х	Х	Х	Х	X	Х	Х
327993	Mineral Wool	X	Х	X	Х	Х	Х	Х	Х	Х	Х
331	Primary Metals	X	Х	Х	Х	Х	Х	Х	х	Х	Х
331110	Iron and Steel Mills and Ferroalloys	X	X	X	Х	Х	Х	Х	Х	Х	Х
3312	Steel Products from Purchased Steel	X	X	X	Х	Х	Х	Х	X	Х	Х
3313	Alumina and Aluminum	X	X	X	Х	Х	Х	Х	Х	Х	Х
331314	Secondary Smelting and Alloying of Aluminum	X	X	X	Х	Х	Х	Х	X	Х	Х
331315	Aluminum Sheet, Plate and Foils	X	X	X	X	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	X	X	X	X	X	X	X	X	X	X
3314	Nonferrous Metals, except Aluminum	X	X	X	X	X	X	X	X	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	X	X	X	X	X	X	X	X	X	X
3315	Foundries	X	X	X	X	X	X	X	X	X	X
331511	Iron Foundries	X	X	X	X	X	X	Χ	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	X	X	X	X	X	X	Χ	X	X	X
331524	Aluminum Foundries, except Die-Casting	X	X	X	X	X	X	Χ	X	X	X
332	Fabricated Metal Products	X	X	X	X	X	X	Χ	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
334413	Semiconductors and Related Devices	X	X	X	X	X	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	X	X	X	X	X	X	X	X	X	X
336	Transportation Equipment	X	X	X	X	X	X	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	X	X	X	X	X	X	X	X	X	X
336411	Aircraft Furniture and Related Products	X	X	X	X	X	X	X	X	X	X
337	Miscellaneous	X	X	x x	X	X X	X	X X	X X	X X	X
339							X				X
	Total	4.5	0.1	8.6	Х	0.1	0.1	Х	0.1	Х	0.1
	Economic Characteristic (f)										
	Value of Shipments and Receipts										
	(million dollars)										
	Under 20	14.8	11.2	23.3	0.1	9.9	12.5	Х	10.2	Х	0.1
	20-49	42.3	0.1	3.9	Х	0.1	Х	Х	Х	Х	0.1
	50-99	6.0	17.8	3.7	Х	33.2	Х	0.1	Х	Х	Х
	100-249	2.6	5.8	2.8	Х	6.6	0.1	0.1	Х	Х	Х
	250-499	0.3	3.0	0.2	X	4.8	0.4	0.1	X	Х	55.7
	230-499										
	500 and Over	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	X	0.1

Employment Size										
Under 50	10.2	10.7	14.0	0.1	10.6	12.5	Х	10.2	Х	1.0
50-99	53.7	0.9	20.8	X	0.9	Х	Х	X	Х	X
100-249	0.6	0.1	0.4	X	0.1	0.1	0.1	0.1	Х	0.1
250-499	2.5	13.7	2.2	Х	34.3	0.1	0.1	0.1	Х	Х
500-999	0.1	0.1	0.1	0.1	0.1	0.3	0.1	X	Х	0.1
1000 and Over	0.1	0.1	0.1	X	0.1	X	Х	X	Х	X
Total	2.2	1.9	1.2	0.1	2.8	8.5	0.1	6.6	Х	0.1

- (a) The Bureau of the Census classifies establishments using the 2012 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 2014. 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.
- \* Estimate less than 0.5.
- W=Withheld to avoid disclosing data for individual establishments.
- Q=Withheld because Relative Standard Error is greater than 50 percent.
- NA=Not available.
- X=Not defined because RSE corresponds to a value of zero.
- -- Estimation is not applicable. Energy source is not included in series.
- Notes: Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey,' and the Bureau of the Census, data files for the '2014 Annual Survey of Manufactures.'