

Table 10.12 Capability to switch HGL (excluding natural gasoline) to alternative energy sources, 2022

Level: National and regional data  
Row: NAICS codes  
Column: Energy sources  
Unit: Thousand barrels

		HGL (excluding natural gasoline)			Alternative energy sources <sup>b</sup>						
NAICS code <sup>a</sup>	Subsector and industry	Total consumed <sup>c</sup>	Switchable	Not switchable	Electricity receipts <sup>d</sup>	Natural gas	Distillate fuel oil	Residual fuel oil	Coal	Coal coke and breeze	Other <sup>e</sup>
Total United States											
311	Food	2	*	2	*	*	*	0	0	0	0
3112	Grain and Oilseed Milling	*	*	*	*	0	0	0	0	0	0
311221	Wet Corn Milling and Starch Manufacturing	*	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	Dairy Product Manufacturing	Q	*	Q	*	*	*	0	0	0	0
3116	Animal Slaughtering and Processing	*	*	*	0	*	0	0	0	0	0
312	Beverage and Tobacco Products	*	*	*	*	*	*	0	0	0	0
3121	Beverages	*	*	*	*	*	*	0	0	0	0
3122	Tobacco	*	*	*	0	0	0	0	0	0	0
313	Textile Mills	*	*	*	*	*	0	0	0	0	0
314	Textile Product Mills	*	0	*	0	0	0	0	0	0	0
315	Apparel	*	*	*	*	0	0	0	0	0	0
316	Leather and Allied Products	*	*	*	*	0	*	0	0	0	0
321	Wood Products	1	*	1	*	*	*	*	0	0	*
321113	Sawmills	*	*	*	*	*	*	*	0	0	0
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	*	*	*	*	0	*	0	0	0	*
321219	Reconstituted Wood Products	*	*	*	*	0	*	0	0	0	0
3219	Other Wood Products	*	*	*	*	0	*	0	0	0	*
322	Paper	1	*	1	*	0	*	0	0	0	0
322110	Pulp Mills	*	0	*	0	0	0	0	0	0	0
322120	Paper Mills	*	*	*	*	0	0	0	0	0	0
322130	Paperboard Mills	*	*	*	*	0	*	0	0	0	0
323	Printing and Related Support	*	*	*	*	*	0	0	0	0	0
324	Petroleum and Coal Products	8	1	7	*	1	*	*	0	0	*
324110	Petroleum Refineries	8	1	7	*	1	*	0	0	0	0
324121	Asphalt Paving Mixture and Block	*	*	*	0	*	*	*	0	0	*
324122	Asphalt Shingle and Coating Materials	*	*	*	0	0	0	*	0	0	0
324191	Petroleum Lubricating Oil and Grease Manufacturing	*	*	*	*	0	*	0	0	0	0
324199	All Other Petroleum and Coal Products Manufacturing	*	0	*	0	0	0	0	0	0	0
325	Chemicals	5	1	4	*	1	*	0	0	0	*

325110	Petrochemicals	2	1	1	0	1	0	0	0	0	0
325120	Industrial Gases	*	*	*	*	0	0	0	0	0	0
325180	Other Basic Inorganic Chemical Manufacturing	*	*	*	*	*	*	0	0	0	*
325193	Ethyl Alcohol	*	*	*	0	0	0	0	0	0	*
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	2	0	2	0	0	0	0	0	0	0
325199	All Other Basic Organic Chemical Manufacturing	*	*	*	*	*	*	0	0	0	0
325211	Plastics Materials and Resins	1	*	1	*	*	0	0	0	0	0
325212	Synthetic Rubber	*	*	*	*	*	*	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	*	*	*	*	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	*	*	*	*	*	*	0	0	0	0
325312	Phosphatic Fertilizers	*	*	*	0	*	0	0	0	0	0
3254	Pharmaceuticals and Medicines	*	*	*	*	*	*	0	0	0	0
325412	Pharmaceutical Preparation	*	*	*	*	*	0	0	0	0	0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	*	0	*	0	0	0	0	0	0	0
326	Plastics and Rubber Products	1	*	1	*	0	0	0	0	0	0
327	Nonmetallic Mineral Products	1	*	1	*	*	*	0	0	0	0
327120	Clay Building Material and Refractories	*	*	*	*	*	*	0	0	0	0
327211	Flat Glass	*	*	*	0	*	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	*	*	*	*	*	0	0	0	0	0
327213	Glass Containers	*	0	*	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	*	*	*	*	0	0	0	0	0	0
327310	Cements	*	*	*	*	0	0	0	0	0	0
327410	Lime	*	0	*	0	0	0	0	0	0	0
327420	Gypsum	*	*	*	*	0	0	0	0	0	0
327993	Mineral Wool	*	0	*	0	0	0	0	0	0	0
331	Primary Metals	1	*	1	*	*	*	0	0	0	*
331110	Iron and Steel Mills and Ferroalloys	*	*	*	*	*	*	0	0	0	*
3312	Steel Products from Purchased Steel	*	*	*	*	*	*	0	0	0	*
3313	Alumina and Aluminum Production and Processing	*	*	*	*	*	*	0	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	*	*	*	*	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	*	*	*	*	0	*	0	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	*	*	*	*	*	*	0	0	0	0
3314	Nonferrous Metal (except Aluminum) Production and Processing	*	*	*	*	*	0	0	0	0	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	*	*	*	0	*	0	0	0	0	*
3315	Foundries	*	*	*	*	*	*	0	0	0	*
331511	Iron Foundries	*	*	*	*	*	0	0	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	*	*	*	*	*	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	*	*	*	*	0	0	0	0	0
332	Fabricated Metal Products	1	*	1	*	*	*	0	0	0	0
333	Machinery	1	*	1	*	0	*	0	0	0	0
334	Computer and Electronic Products	*	*	*	*	*	0	0	0	0	0
334413	Semiconductors and Related Devices	*	*	*	*	*	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	*	*	*	*	0	0	0	0	0	0
336	Transportation Equipment	1	*	1	*	*	*	0	0	0	*
336110	Automobile and Light Duty Motor Vehicle Manufacturing	*	*	*	*	*	*	0	0	0	0
3364	Aerospace Product and Parts	*	*	*	*	*	*	0	0	0	*

336411	Aircraft	*	0	*	0	0	0	0	0	0	0
337	Furniture and Related Products	*	*	*	*	*	0	0	0	0	0
339	Miscellaneous	*	*	*	*	*	*	0	0	0	0
	Total	24	2	21	*	2	*	*	0	0	*

**Northeast Census Region**

311	Food	*	*	*	*	*	*	0	0	0	0
3112	Grain and Oilseed Milling	*	*	*	*	0	0	0	0	0	0
311221	Wet Corn Milling and Starch Manufacturing	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 Food	*	*	*	*	0	*	0	0	0	0
3115	Dairy Product Manufacturing	*	*	*	*	*	*	0	0	0	0
3116	Animal Slaughtering and Processing	*	0	*	0	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
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
315	Apparel	*	0	*	0	0	0	0	0	0	0
316	Leather and Allied Products	*	0	*	0	0	0	0	0	0	0
321	Wood Products	*	*	*	*	*	*	*	0	0	0
321113	Sawmills	*	*	*	*	*	*	*	0	0	0
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	*	*	*	*	0	*	0	0	0	0
321219	Reconstituted Wood Products	*	*	*	*	0	*	0	0	0	0
3219	Other Wood Products	*	*	*	0	0	*	0	0	0	0
322	Paper	*	*	*	*	0	0	0	0	0	0
322110	Pulp Mills	*	0	*	0	0	0	0	0	0	0
322120	Paper Mills	*	*	*	*	0	0	0	0	0	0
322130	Paperboard Mills	*	0	*	0	0	0	0	0	0	0
323	Printing and Related Support	*	0	*	0	0	0	0	0	0	0
324	Petroleum and Coal Products	1	*	1	0	0	*	*	0	0	0
324110	Petroleum Refineries	1	0	1	0	0	0	0	0	0	0
324121	Asphalt Paving Mixture and Block	*	*	*	0	0	*	*	0	0	0
324122	Asphalt Shingle and Coating Materials	*	0	*	0	0	0	0	0	0	0
324191	Petroleum Lubricating Oil and Grease Manufacturing	*	0	*	0	0	0	0	0	0	0
324199	All Other Petroleum and Coal Products Manufacturing	*	0	*	0	0	0	0	0	0	0
325	Chemicals	1	1	*	*	1	*	0	0	0	0
325110	Petrochemicals	1	1	*	0	1	0	0	0	0	0
325120	Industrial Gases	*	0	*	0	0	0	0	0	0	0
325180	Other Basic Inorganic Chemical Manufacturing	*	*	*	*	0	0	0	0	0	0
325193	Ethyl Alcohol	*	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	All Other Basic Organic Chemical Manufacturing	*	*	*	*	0	0	0	0	0	0
325211	Plastics Materials and Resins	*	0	*	0	0	0	0	0	0	0
325212	Synthetic Rubber	*	0	*	0	0	0	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	*	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
3254	Pharmaceuticals and Medicines	*	*	*	*	*	*	0	0	0	0
325412	Pharmaceutical Preparation	*	0	*	0	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	*	0	*	0	0	0	0	0	0	0
326	Plastics and Rubber Products	*	*	*	*	0	0	0	0	0	0
327	Nonmetallic Mineral Products	*	*	*	*	0	*	0	0	0	0
327120	Clay Building Material and Refractories	*	*	*	*	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
327410	Lime	0	0	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	*
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
3313	Alumina and Aluminum Production and Processing	*	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
331315	Aluminum Sheet, Plate and Foils	*	0	*	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	*	0	*	0	0	0	0	0	0	0
3314	Nonferrous Metal (except Aluminum) Production and Processing	*	*	*	*	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	*
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
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
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0	0	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	*	*	*	*	*	0	0	0	0	0
336411	Aircraft	*	0	*	0	0	0	0	0	0	0
337	Furniture and Related Products	*	*	*	*	0	0	0	0	0	0
339	Miscellaneous	*	0	*	0	0	0	0	0	0	0
	Total	3	1	3	*	1	*	*	0	0	*

Midwest Census Region

311	Food	Q	*	Q	*	*	0	0	0	0	0
3112	Grain and Oilseed Milling	*	*	*	*	0	0	0	0	0	0
311221	Wet Corn Milling and Starch Manufacturing	*	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
3115	Dairy Product Manufacturing	Q	0	Q	0	0	0	0	0	0	0
3116	Animal Slaughtering and Processing	*	0	*	0	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	0
3122	Tobacco	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
315	Apparel	0	0	0	0	0	0	0	0	0	0
316	Leather and Allied Products	*	*	*	*	*	*	0	0	0	0
321	Wood Products	*	*	*	*	*	*	0	0	0	*
321113	Sawmills	*	*	*	*	*	*	0	0	0	0
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	*	*	*	*	0	0	0	0	0	*
321219	Reconstituted Wood Products	*	0	*	0	0	0	0	0	0	0
3219	Other Wood Products	*	*	*	0	0	0	0	0	0	*
322	Paper	*	*	*	*	0	0	0	0	0	0
322110	Pulp Mills	*	0	*	0	0	0	0	0	0	0
322120	Paper Mills	*	*	*	*	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
324	Petroleum and Coal Products	1	1	*	*	1	*	0	0	0	0
324110	Petroleum Refineries	1	1	*	*	1	*	0	0	0	0
324121	Asphalt Paving Mixture and Block	*	*	*	0	0	*	0	0	0	0
324122	Asphalt Shingle and Coating Materials	*	0	*	0	0	0	0	0	0	0
324191	Petroleum Lubricating Oil and Grease Manufacturing	*	*	*	*	0	*	0	0	0	0
324199	All Other Petroleum and Coal Products Manufacturing	*	0	*	0	0	0	0	0	0	0
325	Chemicals	1	*	1	*	*	*	0	0	0	*
325110	Petrochemicals	*	0	*	0	0	0	0	0	0	0
325120	Industrial Gases	*	0	*	0	0	0	0	0	0	0
325180	Other Basic Inorganic Chemical Manufacturing	*	*	*	*	0	*	0	0	0	*
325193	Ethyl Alcohol	*	*	*	0	0	0	0	0	0	*
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	*	0	*	0	0	0	0	0	0	0
325199	All Other Basic Organic Chemical Manufacturing	*	*	*	*	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
325220	Artificial and Synthetic Fibers and Filaments	*	0	*	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	*	*	*	*	*	0	0	0	0	0
325312	Phosphatic Fertilizers	*	*	*	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, Chemical, and Copy Toner Manufacturing	*	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
327120	Clay Building Material and Refractories	*	*	*	*	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
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	1	*	1	*	*	*	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
3313	Alumina and Aluminum Production and Processing	*	*	*	*	0	*	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	*	*	*	*	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	*	0	*	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	*	*	*	*	0	*	0	0	0	0
3314	Nonferrous Metal (except Aluminum) Production and Processing	*	*	*	0	*	0	0	0	0	*
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	*	*	*	0	0	0	0	0	0	*
3315	Foundries	*	*	*	*	*	0	0	0	0	0
331511	Iron Foundries	*	*	*	*	*	0	0	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	*	*	*	*	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	*	*	*	*	0	0	0	0	0
332	Fabricated Metal Products	1	*	1	*	0	*	0	0	0	0
333	Machinery	*	*	*	*	0	*	0	0	0	0
334	Computer and Electronic Products	*	*	*	0	*	0	0	0	0	0
334413	Semiconductors and Related Devices	*	*	*	0	*	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	*	*	*	*	0	0	0	0	0	0
336	Transportation Equipment	*	*	*	*	*	*	0	0	0	0
336110	Automobile and Light Duty Motor Vehicle Manufacturing	*	*	*	*	*	*	0	0	0	0
3364	Aerospace Product and Parts	*	*	*	*	0	0	0	0	0	0
336411	Aircraft	*	0	*	0	0	0	0	0	0	0
337	Furniture and Related Products	*	0	*	0	0	0	0	0	0	0
339	Miscellaneous	*	0	*	0	0	0	0	0	0	0
	Total	5	1	5	*	1	*	0	0	0	*

South Census Region

311	Food	1	*	*	*	*	0	0	0	0	0
3112	Grain and Oilseed Milling	*	*	*	*	0	0	0	0	0	0
311221	Wet Corn Milling and Starch Manufacturing	*	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 Food	*	0	*	0	0	0	0	0	0	0
3115	Dairy Product Manufacturing	*	*	*	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
3121	Beverages	*	*	*	*	*	0	0	0	0	0
3122	Tobacco	*	0	*	0	0	0	0	0	0	0
313	Textile Mills	*	*	*	*	*	0	0	0	0	0
314	Textile Product Mills	*	0	*	0	0	0	0	0	0	0

315	Apparel	*	*	*	*	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
321113	Sawmills	*	*	*	*	*	*	0	0	0	0
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	*	*	*	*	0	*	0	0	0	0
321219	Reconstituted Wood Products	*	0	*	0	0	0	0	0	0	0
3219	Other Wood Products	*	*	*	*	0	*	0	0	0	0
322	Paper	*	*	*	*	0	*	0	0	0	0
322110	Pulp Mills	*	0	*	0	0	0	0	0	0	0
322120	Paper Mills	*	0	*	0	0	0	0	0	0	0
322130	Paperboard Mills	*	*	*	*	0	*	0	0	0	0
323	Printing and Related Support	*	*	*	0	*	0	0	0	0	0
324	Petroleum and Coal Products	4	*	4	*	*	*	*	0	0	0
324110	Petroleum Refineries	4	*	4	0	*	0	0	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
324191	Petroleum Lubricating Oil and Grease Manufacturing	*	*	*	*	0	0	0	0	0	0
324199	All Other Petroleum and Coal Products Manufacturing	*	0	*	0	0	0	0	0	0	0
325	Chemicals	4	*	4	*	*	*	0	0	0	0
325110	Petrochemicals	1	0	1	0	0	0	0	0	0	0
325120	Industrial Gases	*	*	*	*	0	*	0	0	0	0
325180	Other Basic Inorganic Chemical Manufacturing	*	*	*	*	*	0	0	0	0	0
325193	Ethyl Alcohol	*	0	*	0	0	0	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	2	0	2	0	0	0	0	0	0	0
325199	All Other Basic Organic Chemical Manufacturing	*	*	*	*	*	0	0	0	0	0
325211	Plastics Materials and Resins	1	*	1	*	*	0	0	0	0	0
325212	Synthetic Rubber	*	*	*	*	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
325312	Phosphatic Fertilizers	*	0	*	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	*	*	*	*	*	0	0	0	0	0
325412	Pharmaceutical Preparation	*	*	*	*	*	0	0	0	0	0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	*	0	*	0	0	0	0	0	0	0
326	Plastics and Rubber Products	Q	*	Q	*	0	0	0	0	0	0
327	Nonmetallic Mineral Products	*	*	*	*	*	0	0	0	0	0
327120	Clay Building Material and Refractories	*	*	*	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
327213	Glass Containers	*	0	*	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	*	*	*	*	0	0	0	0	0	0
327310	Cements	*	0	*	0	0	0	0	0	0	0
327410	Lime	*	0	*	0	0	0	0	0	0	0
327420	Gypsum	*	*	*	*	0	0	0	0	0	0
327993	Mineral Wool	*	0	*	0	0	0	0	0	0	0
331	Primary Metals	*	*	*	*	*	*	0	0	0	*
331110	Iron and Steel Mills and Ferroalloys	*	*	*	*	*	*	0	0	0	*

3312	Steel Products from Purchased Steel	*	*	*	*	0	*	0	0	0	0
3313	Alumina and Aluminum Production and Processing	*	*	*	*	0	*	0	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	*	0	*	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	*	*	*	*	0	*	0	0	0	*
331318	Other Aluminum Rolling, Drawing and Extruding	*	*	*	*	0	0	0	0	0	0
3314	Nonferrous Metal (except Aluminum) Production and Processing	*	*	*	*	*	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
331511	Iron Foundries	*	0	*	0	0	0	0	0	0	0
331523	Nonferrous Metal Die-Casting Foundries	*	*	*	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
333	Machinery	*	0	*	0	0	0	0	0	0	0
334	Computer and Electronic Products	*	*	*	0	*	0	0	0	0	0
334413	Semiconductors and Related Devices	*	*	*	0	*	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	*	0	*	0	0	0	0	0	0	0
336	Transportation Equipment	*	*	*	0	*	*	0	0	0	*
336110	Automobile and Light Duty Motor Vehicle Manufacturing	*	0	*	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	*	*	*	0	*	*	0	0	0	*
336411	Aircraft	*	0	*	0	0	0	0	0	0	0
337	Furniture and Related Products	*	*	*	*	*	0	0	0	0	0
339	Miscellaneous	*	*	*	0	*	*	0	0	0	0
	Total	11	*	11	*	*	*	*	0	0	*

## West Census Region

[illegible]

322120	Paper Mills	*	*	*	*	0	0	0	0	0	0
322130	Paperboard Mills	*	0	*	0	0	0	0	0	0	0
323	Printing and Related Support	*	0	*	0	0	0	0	0	0	0
324	Petroleum and Coal Products	3	*	2	0	*	*	0	0	0	*
324110	Petroleum Refineries	3	*	2	0	*	0	0	0	0	0
324121	Asphalt Paving Mixture and Block	*	*	*	0	0	*	0	0	0	*
324122	Asphalt Shingle and Coating Materials	*	0	*	0	0	0	0	0	0	0
324191	Petroleum Lubricating Oil and Grease Manufacturing	*	0	*	0	0	0	0	0	0	0
324199	All Other Petroleum and Coal Products Manufacturing	*	0	*	0	0	0	0	0	0	0
325	Chemicals	*	*	*	*	*	*	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
325180	Other Basic Inorganic Chemical Manufacturing	*	*	*	*	0	0	0	0	0	0
325193	Ethyl Alcohol	*	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	All Other Basic Organic Chemical Manufacturing	*	0	*	0	0	0	0	0	0	0
325211	Plastics Materials and Resins	*	0	*	0	0	0	0	0	0	0
325212	Synthetic Rubber	*	*	*	*	*	0	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	*	0	*	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	*	*	*	*	0	*	0	0	0	0
325312	Phosphatic Fertilizers	*	0	*	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	*	*	*	*	0	0	0	0	0	0
325412	Pharmaceutical Preparation	*	0	*	0	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	*	0	*	0	0	0	0	0	0	0
326	Plastics and Rubber Products	*	*	*	*	0	0	0	0	0	0
327	Nonmetallic Mineral Products	*	*	*	*	*	0	0	0	0	0
327120	Clay Building Material and Refractories	*	*	*	0	*	0	0	0	0	0
327211	Flat Glass	*	*	*	0	*	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	*	*	*	*	0	0	0	0	0	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	*
331110	Iron and Steel Mills and Ferroalloys	*	*	*	*	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	*	*	*	*	*	*	0	0	0	*
3313	Alumina and Aluminum Production and Processing	*	*	*	*	*	*	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	*	0	*	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	*	0	*	0	0	0	0	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	*	*	*	*	*	*	0	0	0	0
3314	Nonferrous Metal (except Aluminum) Production and Processing	*	*	*	*	*	0	0	0	0	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	*	*	*	0	*	0	0	0	0	0
3315	Foundries	*	*	*	*	*	*	0	0	0	0
331511	Iron Foundries	*	*	*	*	*	*	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
333	Machinery	*	*	*	*	0	0	0	0	0	0
334	Computer and Electronic Products	*	*	*	*	0	0	0	0	0	0
334413	Semiconductors and Related Devices	*	*	*	*	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	*	0	*	0	0	0	0	0	0	0
336	Transportation Equipment	*	*	*	*	0	0	0	0	0	0
336110	Automobile and Light Duty Motor Vehicle Manufacturing	*	0	*	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	*	*	*	*	0	0	0	0	0	0
336411	Aircraft	*	0	*	0	0	0	0	0	0	0
337	Furniture and Related Products	*	0	*	0	0	0	0	0	0	0
339	Miscellaneous	*	*	*	*	*	0	0	0	0	0
	Total	4	1	4	*	*	*	0	0	0	*

Economic characteristic

Value of shipments and receipts (million dollars)											
Under 20	6	1	5	*	1	*	*	0	0	0	*
20-49	2	*	2	*	*	*	0	0	0	0	*
50-99	2	*	2	*	*	*	0	0	0	0	*
100-249	3	*	3	*	*	*	*	0	0	0	*
250-499	1	*	1	*	*	*	0	0	0	0	*
500 and Over	10	1	9	*	1	*	0	0	0	0	*
Total	24	2	21	*	2	*	*	0	0	0	*

Employment size											
Under 50	6	1	5	*	1	*	*	0	0	0	*
50-99	2	*	2	*	*	*	0	0	0	0	*
100-249	5	*	4	*	*	*	*	0	0	0	*
250-499	5	*	4	*	*	*	0	0	0	0	*
500-999	5	*	5	*	*	*	0	0	0	0	0

1000 and Over	1	1	1	*	1	*	0	0	0	0
Total	24	2	21	*	2	*	*	0	0	*

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, *2022 Manufacturing Energy Consumption Survey*, and the Bureau of the Census, data files for the *2022 Economic Census, Manufacturing – Industry Series*

Note: Totals may not equal sum of components because of independent rounding.

<sup>a</sup> The Bureau of the Census classifies establishments using the 2022 North American Industry Classification System (NAICS).

<sup>b</sup> *Alternative energy sources* consist of those energy sources that could have been substituted for HGL (excluding natural gasoline) during 2022. The quantities are expressed in thousands of barrels and therefore represent the quantity of HGL (excluding natural gasoline) that could have been displaced by the given alternative type of energy.

<sup>c</sup> *Total consumed* represents those quantities (total inputs) of HGL (excluding natural gasoline) that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

<sup>d</sup> *Electricity receipts* represent 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* have 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.

<sup>e</sup> *Other* includes all other types of energy not already identified that respondents indicated could have been consumed in place of HGL (excluding natural gasoline).

<sup>f</sup> *Value of shipments and receipts* and *employment size* categories were supplied by the Bureau of the Census.

\* Estimate less than 0.5.

D=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because relative standard error (RSE) is greater than 50%.

NA=Not available.

*The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure protection of the confidential source data (Project No. 7504703, Disclosure Review Board (DRB) approval number: CBDRB-FY25-0054).*

Released: August 2025  
Next MECS will be fielded in 2027

RSE Table 10.12 Relative standard errors for table 10.12

Unit: Percentage

		HGL (excluding natural gasoline)			Alternative energy sources <sup>b</sup>						
NAICS code <sup>a</sup>	Subsector and industry	Total consumed <sup>c</sup>	Switchable	Not switchable	Electricity receipts <sup>d</sup>	Natural gas	Distillate fuel oil	Residual fuel oil	Coal	Coal coke and breeze	Other <sup>e</sup>
Total United States											
311	Food	36.4	4.1	38.6	5.2	6.5	0.0	X	X	X	X
3112	Grain and Oilseed Milling	16.5	0.0	16.8	0.0	X	X	X	X	X	X
311221	Wet Corn Milling and Starch Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
31131	Sugar Manufacturing	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	11.7	7.3	12.4	44.4	X	0.0	X	X	X	X
3115	Dairy Product Manufacturing	77.0	6.6	83.4	0.0	11.3	0.0	X	X	X	X
3116	Animal Slaughtering and Processing	25.5	1.1	27.4	X	1.2	X	X	X	X	X
312	Beverage and Tobacco Products	9.8	36.9	10.2	37.3	59.4	43.2	X	X	X	X
3121	Beverages	10.9	36.8	11.4	37.3	59.4	43.2	X	X	X	X
3122	Tobacco	0.0	0.0	0.0	X	X	X	X	X	X	X
313	Textile Mills	6.4	73.0	6.2	88.7	31.4	X	X	X	X	X
314	Textile Product Mills	55.3	X	55.3	X	X	X	X	X	X	X
315	Apparel	27.5	0.0	27.9	0.0	X	X	X	X	X	X
316	Leather and Allied Products	13.6	0.0	13.7	0.0	X	0.0	X	X	X	X
321	Wood Products	12.8	47.8	12.9	67.1	53.9	9.9	0.0	X	X	60.4
321113	Sawmills	9.6	2.2	9.8	4.2	53.9	0.0	0.0	X	X	X
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	8.1	25.5	8.2	24.5	X	79.1	X	X	X	79.0
321219	Reconstituted Wood Products	26.6	0.0	26.6	0.0	X	0.0	X	X	X	X
3219	Other Wood Products	16.9	83.3	17.0	93.1	X	43.7	X	X	X	93.4
322	Paper	16.6	16.0	16.8	16.0	X	0.0	X	X	X	X
322110	Pulp Mills	0.0	X	0.0	X	X	X	X	X	X	X
322120	Paper Mills	0.0	0.0	0.0	0.0	X	X	X	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	X	0.0	X	X	X	X
323	Printing and Related Support	22.2	61.9	20.8	95.6	62.1	X	X	X	X	X
324	Petroleum and Coal Products	0.1	0.5	0.1	0.0	0.0	30.4	42.7	X	X	0.0
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	X
324121	Asphalt Paving Mixture and Block	6.1	11.2	7.2	X	0.0	30.5	53.1	X	X	0.0
324122	Asphalt Shingle and Coating Materials	2.3	0.0	2.4	X	X	X	0.0	X	X	X
324191	Petroleum Lubricating Oil and Grease Manufacturing	9.3	0.0	10.5	0.0	X	0.0	X	X	X	X
324199	All Other Petroleum and Coal Products Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
325	Chemicals	4.0	2.2	4.7	54.0	1.5	7.1	X	X	X	3.7
325110	Petrochemicals	0.0	0.0	0.0	X	0.0	X	X	X	X	X
325120	Industrial Gases	66.9	94.4	64.6	94.4	X	X	X	X	X	X
325180	Other Basic Inorganic Chemical Manufacturing	26.1	36.9	26.9	32.8	65.6	0.0	X	X	X	0.0
325193	Ethyl Alcohol	0.5	68.8	0.5	X	X	X	X	X	X	68.8

325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	X	X	X	X	X	X	X
325199	All Other Basic Organic Chemical Manufacturing	10.7	3.4	10.8	3.4	0.0	24.7	X	X	X	X
325211	Plastics Materials and Resins	3.2	71.4	2.2	52.6	91.6	X	X	X	X	X
325212	Synthetic Rubber	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	0.0	0.0	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	X
325312	Phosphatic Fertilizers	0.0	0.0	0.0	X	0.0	X	X	X	X	X
3254	Pharmaceuticals and Medicines	4.5	0.0	4.9	0.0	0.0	0.0	X	X	X	X
325412	Pharmaceutical Preparation	5.8	0.0	6.4	0.0	0.0	X	X	X	X	X
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
326	Plastics and Rubber Products	34.2	76.4	34.3	76.4	X	X	X	X	X	X
327	Nonmetallic Mineral Products	19.6	26.7	19.9	46.9	23.4	34.7	X	X	X	X
327120	Clay Building Material and Refractories	1.8	3.4	1.8	5.4	0.0	34.7	X	X	X	X
327211	Flat Glass	0.0	0.0	0.0	X	0.0	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	36.6	0.0	44.3	0.0	0.0	X	X	X	X	X
327213	Glass Containers	0.0	X	0.0	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	28.1	49.8	28.2	49.8	X	X	X	X	X	X
327310	Cements	0.5	0.0	0.5	0.0	X	X	X	X	X	X
327410	Lime	0.0	X	0.0	X	X	X	X	X	X	X
327420	Gypsum	6.4	0.0	6.6	0.0	X	X	X	X	X	X
327993	Mineral Wool	67.3	X	67.3	X	X	X	X	X	X	X
331	Primary Metals	4.1	4.9	4.3	10.8	4.9	0.0	X	X	X	28.7
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	0.0
3312	Steel Products from Purchased Steel	9.0	47.9	9.3	49.7	0.0	0.0	X	X	X	0.0
3313	Alumina and Aluminum Production and Processing	16.9	0.8	17.8	0.9	0.0	0.0	X	X	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	0.0	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.5	0.0	0.5	0.0	X	0.0	X	X	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	26.7	6.8	26.9	7.8	0.0	0.0	X	X	X	X
3314	Nonferrous Metal (except Aluminum) Production and Processing	5.9	19.2	6.0	23.6	32.4	X	X	X	X	37.2
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	8.1	0.0	8.1	X	0.0	X	X	X	X	0.0
3315	Foundries	4.9	4.2	5.4	13.8	2.8	0.0	X	X	X	42.9
331511	Iron Foundries	1.9	3.7	2.1	18.6	0.1	X	X	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	13.9	10.2	14.1	10.2	77.7	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	17.3	22.2	17.8	22.2	0.0	X	X	X	X	X
332	Fabricated Metal Products	21.6	82.0	22.5	92.5	76.5	79.4	X	X	X	X
333	Machinery	35.3	51.8	37.5	51.8	X	64.2	X	X	X	X
334	Computer and Electronic Products	42.9	0.0	43.4	0.0	0.0	X	X	X	X	X
334413	Semiconductors and Related Devices	4.6	0.0	6.9	0.0	0.0	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	24.7	98.9	24.8	98.9	X	X	X	X	X	X
336	Transportation Equipment	26.7	47.2	27.4	46.7	0.4	60.9	X	X	X	96.7
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.3	0.0	0.4	0.0	0.0	0.0	X	X	X	X
3364	Aerospace Product and Parts	14.5	15.2	14.7	12.3	3.6	0.0	X	X	X	96.7
336411	Aircraft	26.3	X	26.3	X	X	X	X	X	X	X
337	Furniture and Related Products	26.1	93.2	26.4	97.5	49.7	X	X	X	X	X
339	Miscellaneous	33.6	66.4	33.7	87.5	65.0	99.0	X	X	X	X
	Total	4.1	3.9	4.6	21.9	1.7	20.7	42.7	X	X	24.4

Northeast Census Region											
311	Food	40.8	0.7	42.0	33.1	0.0	0.0	X	X	X	X
3112	Grain and Oilseed Milling	64.4	0.0	64.5	0.0	X	X	X	X	X	X
311221	Wet Corn Milling and Starch Manufacturing	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 Food	4.4	0.7	4.9	37.2	X	0.0	X	X	X	X
3115	Dairy Product Manufacturing	10.6	0.0	10.6	0.0	0.0	0.0	X	X	X	X
3116	Animal Slaughtering and Processing	28.2	X	28.2	X	X	X	X	X	X	X
312	Beverage and Tobacco Products	23.3	0.0	24.1	0.0	X	X	X	X	X	X
3121	Beverages	23.6	0.0	24.5	0.0	X	X	X	X	X	X
3122	Tobacco	0.0	X	0.0	X	X	X	X	X	X	X
313	Textile Mills	0.3	X	0.3	X	X	X	X	X	X	X
314	Textile Product Mills	66.2	X	66.2	X	X	X	X	X	X	X
315	Apparel	0.0	X	0.0	X	X	X	X	X	X	X
316	Leather and Allied Products	41.6	X	41.6	X	X	X	X	X	X	X
321	Wood Products	29.7	0.5	30.5	49.9	0.0	0.0	0.0	X	X	X
321113	Sawmills	17.2	0.6	18.3	55.5	0.0	0.0	0.0	X	X	X
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	16.5	0.0	16.5	0.0	X	0.0	X	X	X	X
321219	Reconstituted Wood Products	0.0	0.0	0.0	0.0	X	0.0	X	X	X	X
3219	Other Wood Products	53.5	0.0	53.9	X	X	0.0	X	X	X	X
322	Paper	19.5	57.9	19.6	57.9	X	X	X	X	X	X
322110	Pulp Mills	0.0	X	0.0	X	X	X	X	X	X	X
322120	Paper Mills	0.0	0.0	0.0	0.0	X	X	X	X	X	X
322130	Paperboard Mills	0.0	X	0.0	X	X	X	X	X	X	X
323	Printing and Related Support	51.2	X	51.2	X	X	X	X	X	X	X
324	Petroleum and Coal Products	0.9	61.1	0.4	X	X	61.1	61.1	X	X	X
324110	Petroleum Refineries	0.0	X	0.0	X	X	X	X	X	X	X
324121	Asphalt Paving Mixture and Block	12.4	61.1	3.0	X	X	61.1	61.1	X	X	X
324122	Asphalt Shingle and Coating Materials	0.0	X	0.0	X	X	X	X	X	X	X
324191	Petroleum Lubricating Oil and Grease Manufacturing	31.7	X	31.7	X	X	X	X	X	X	X
324199	All Other Petroleum and Coal Products Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
325	Chemicals	3.7	1.7	29.4	94.5	0.0	0.0	X	X	X	X
325110	Petrochemicals	0.0	0.0	0.0	X	0.0	X	X	X	X	X
325120	Industrial Gases	0.0	X	0.0	X	X	X	X	X	X	X
325180	Other Basic Inorganic Chemical Manufacturing	5.2	53.7	4.4	53.7	X	X	X	X	X	X
325193	Ethyl Alcohol	0.0	X	0.0	X	X	X	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	X	X	X	X	X	X	X
325199	All Other Basic Organic Chemical Manufacturing	23.4	0.0	24.2	0.0	X	X	X	X	X	X
325211	Plastics Materials and Resins	26.4	X	26.4	X	X	X	X	X	X	X
325212	Synthetic Rubber	0.0	X	0.0	X	X	X	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	0.0	X	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X
325312	Phosphatic Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	0.5	0.0	0.5	0.0	0.0	0.0	X	X	X	X
325412	Pharmaceutical Preparation	0.6	X	0.6	X	X	X	X	X	X	X
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
326	Plastics and Rubber Products	54.2	95.9	54.2	95.9	X	X	X	X	X	X

327	Nonmetallic Mineral Products	41.9	20.8	42.0	23.3	X	34.7	X	X	X	X
327120	Clay Building Material and Refractories	1.4	28.8	1.1	33.7	X	34.7	X	X	X	X
327211	Flat Glass	0.0	X	0.0	X	X	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	60.3	X	60.3	X	X	X	X	X	X	X
327213	Glass Containers	0.0	X	0.0	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	1.7	X	1.7	X	X	X	X	X	X	X
327310	Cements	0.0	0.0	0.0	0.0	X	X	X	X	X	X
327410	Lime	X	X	X	X	X	X	X	X	X	X
327420	Gypsum	0.0	X	0.0	X	X	X	X	X	X	X
327993	Mineral Wool	0.0	X	0.0	X	X	X	X	X	X	X
331	Primary Metals	2.1	0.2	2.2	11.6	42.9	0.0	X	X	X	42.9
331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	X	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	13.1	0.0	13.2	0.0	X	X	X	X	X	X
3313	Alumina and Aluminum Production and Processing	0.0	X	0.0	X	X	X	X	X	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	X	0.0	X	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	0.0	X	0.0	X	X	X	X	X	X	X
3314	Nonferrous Metal (except Aluminum) Production and Processing	9.6	83.1	9.6	83.1	X	X	X	X	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.1	X	0.1	X	X	X	X	X	X	X
3315	Foundries	1.5	0.1	1.6	27.9	42.9	0.0	X	X	X	42.9
331511	Iron Foundries	2.1	X	2.1	X	X	X	X	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	0.2	X	0.2	X	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	5.2	X	5.2	X	X	X	X	X	X	X
332	Fabricated Metal Products	56.2	62.9	56.4	74.5	94.0	X	X	X	X	X
333	Machinery	88.5	X	88.5	X	X	X	X	X	X	X
334	Computer and Electronic Products	74.5	X	74.5	X	X	X	X	X	X	X
334413	Semiconductors and Related Devices	0.0	X	0.0	X	X	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	32.5	X	32.5	X	X	X	X	X	X	X
336	Transportation Equipment	67.4	0.0	67.6	0.0	0.0	0.0	X	X	X	X
336110	Automobile and Light Duty Motor Vehicle Manufacturing	X	X	X	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	13.5	0.0	13.7	0.0	0.0	X	X	X	X	X
336411	Aircraft	0.0	X	0.0	X	X	X	X	X	X	X
337	Furniture and Related Products	67.2	98.7	73.1	98.7	X	X	X	X	X	X
339	Miscellaneous	64.6	X	64.6	X	X	X	X	X	X	X
	Total	10.8	2.4	14.6	58.0	0.1	16.1	61.0	X	X	42.9

Midwest Census Region

311	Food	71.1	68.3	71.2	68.3	0.0	X	X	X	X	X
3112	Grain and Oilseed Milling	7.9	0.0	8.1	0.0	X	X	X	X	X	X
311221	Wet Corn Milling and Starch Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
31131	Sugar Manufacturing	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	39.0	91.6	39.6	91.6	X	X	X	X	X	X
3115	Dairy Product Manufacturing	98.4	X	98.4	X	X	X	X	X	X	X
3116	Animal Slaughtering and Processing	48.5	X	48.5	X	X	X	X	X	X	X
312	Beverage and Tobacco Products	38.8	0.0	38.8	X	X	X	X	X	X	X
3121	Beverages	38.8	X	38.8	X	X	X	X	X	X	X
3122	Tobacco	X	0.0	0.0	X	X	X	X	X	X	X

313	Textile Mills	33.5	0.0	33.5	0.0	X	X	X	X	X	X
314	Textile Product Mills	63.7	X	63.7	X	X	X	X	X	X	X
315	Apparel	X	X	X	X	X	X	X	X	X	X
316	Leather and Allied Products	7.6	0.0	7.8	0.0	X	0.0	X	X	X	X
321	Wood Products	22.5	47.2	22.7	85.9	73.0	0.0	X	X	X	60.4
321113	Sawmills	6.8	54.3	6.8	0.0	73.0	0.0	X	X	X	X
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	17.3	60.6	17.7	94.4	X	X	X	X	X	79.0
321219	Reconstituted Wood Products	9.5	X	9.5	X	X	X	X	X	X	X
3219	Other Wood Products	35.0	93.4	35.1	X	X	X	X	X	X	93.4
322	Paper	30.9	0.0	31.5	0.0	X	X	X	X	X	X
322110	Pulp Mills	0.0	X	0.0	X	X	X	X	X	X	X
322120	Paper Mills	0.0	0.0	0.0	0.0	X	X	X	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	X	X	X	X	X	X
323	Printing and Related Support	10.3	95.6	10.4	95.6	X	X	X	X	X	X
324	Petroleum and Coal Products	0.2	0.2	0.5	0.0	0.0	54.8	X	X	X	X
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	X
324121	Asphalt Paving Mixture and Block	7.3	55.3	6.5	X	X	55.3	X	X	X	X
324122	Asphalt Shingle and Coating Materials	5.2	X	5.2	X	X	X	X	X	X	X
324191	Petroleum Lubricating Oil and Grease Manufacturing	4.5	0.0	4.5	0.0	X	0.0	X	X	X	X
324199	All Other Petroleum and Coal Products Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
325	Chemicals	40.5	15.8	40.9	25.0	0.0	8.8	X	X	X	3.7
325110	Petrochemicals	0.0	X	0.0	X	X	X	X	X	X	X
325120	Industrial Gases	0.0	X	0.0	X	X	X	X	X	X	X
325180	Other Basic Inorganic Chemical Manufacturing	13.6	43.1	14.8	43.1	X	0.0	X	X	X	0.0
325193	Ethyl Alcohol	1.8	68.8	1.8	X	X	X	X	X	X	68.8
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	X	X	X	X	X	X	X
325199	All Other Basic Organic Chemical Manufacturing	20.3	24.7	21.0	24.7	X	24.7	X	X	X	X
325211	Plastics Materials and Resins	4.2	34.8	3.9	34.8	X	X	X	X	X	X
325212	Synthetic Rubber	0.0	X	0.0	X	X	X	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	0.0	X	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
325312	Phosphatic Fertilizers	0.0	0.0	0.0	X	0.0	X	X	X	X	X
3254	Pharmaceuticals and Medicines	34.5	X	34.5	X	X	X	X	X	X	X
325412	Pharmaceutical Preparation	63.2	X	63.2	X	X	X	X	X	X	X
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
326	Plastics and Rubber Products	66.8	X	66.8	X	X	X	X	X	X	X
327	Nonmetallic Mineral Products	38.8	10.4	38.9	10.4	X	X	X	X	X	X
327120	Clay Building Material and Refractories	4.2	0.0	5.1	0.0	X	X	X	X	X	X
327211	Flat Glass	0.0	X	0.0	X	X	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	0.0	X	0.0	X	X	X	X	X	X	X
327213	Glass Containers	0.0	X	0.0	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	19.3	50.5	19.9	50.5	X	X	X	X	X	X
327310	Cements	0.0	X	0.0	X	X	X	X	X	X	X
327410	Lime	0.0	X	0.0	X	X	X	X	X	X	X
327420	Gypsum	0.0	X	0.0	X	X	X	X	X	X	X
327993	Mineral Wool	79.4	X	79.4	X	X	X	X	X	X	X
331	Primary Metals	6.3	9.6	6.5	12.6	14.7	0.0	X	X	X	0.0

331110	Iron and Steel Mills and Ferroalloys	0.0	X	0.0	X	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	15.6	68.8	16.2	68.8	X	X	X	X	X	X
3313	Alumina and Aluminum Production and Processing	29.5	0.0	31.7	0.0	X	0.0	X	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	0.0	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	X	0.0	X	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	42.6	0.0	42.8	0.0	X	0.0	X	X	X	X
3314	Nonferrous Metal (except Aluminum) Production and Processing	7.2	65.9	7.2	X	71.9	X	X	X	X	0.0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	0.0	X	X	X	X	X	X	0.0
3315	Foundries	9.8	6.7	11.1	14.0	3.0	X	X	X	X	X
331511	Iron Foundries	3.3	4.0	4.3	19.1	0.1	X	X	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	25.7	10.2	26.4	10.2	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	38.5	22.2	41.4	22.2	0.0	X	X	X	X	X
332	Fabricated Metal Products	37.3	94.8	37.6	98.5	X	98.5	X	X	X	X
333	Machinery	32.3	56.4	38.9	56.4	X	64.2	X	X	X	X
334	Computer and Electronic Products	47.1	0.0	49.3	X	0.0	X	X	X	X	X
334413	Semiconductors and Related Devices	0.1	0.0	0.1	X	0.0	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	38.6	98.9	38.8	98.9	X	X	X	X	X	X
336	Transportation Equipment	41.6	51.1	44.1	52.7	0.0	66.2	X	X	X	X
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	X
3364	Aerospace Product and Parts	5.6	30.6	5.8	30.6	X	X	X	X	X	X
336411	Aircraft	7.9	X	7.9	X	X	X	X	X	X	X
337	Furniture and Related Products	40.4	X	40.4	X	X	X	X	X	X	X
339	Miscellaneous	50.5	X	50.5	X	X	X	X	X	X	X
	Total	15.2	4.9	17.6	33.9	0.2	47.4	X	X	X	42.4

South Census Region

311	Food	22.6	6.4	26.4	88.0	6.5	X	X	X	X	X
3112	Grain and Oilseed Milling	10.3	0.0	11.0	0.0	X	X	X	X	X	X
311221	Wet Corn Milling and Starch Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
31131	Sugar Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	19.8	X	19.8	X	X	X	X	X	X	X
3115	Dairy Product Manufacturing	36.2	11.3	83.1	X	11.3	X	X	X	X	X
3116	Animal Slaughtering and Processing	33.1	1.1	37.0	X	1.2	X	X	X	X	X
312	Beverage and Tobacco Products	9.7	46.9	9.2	50.2	59.4	X	X	X	X	X
3121	Beverages	14.1	46.9	14.3	50.2	59.4	X	X	X	X	X
3122	Tobacco	0.0	X	0.0	X	X	X	X	X	X	X
313	Textile Mills	23.9	74.9	25.5	91.6	31.4	X	X	X	X	X
314	Textile Product Mills	57.7	X	57.7	X	X	X	X	X	X	X
315	Apparel	39.4	0.0	40.1	0.0	X	X	X	X	X	X
316	Leather and Allied Products	24.2	X	24.2	X	X	X	X	X	X	X
321	Wood Products	22.1	61.7	22.1	66.2	0.0	64.0	X	X	X	X
321113	Sawmills	17.2	0.0	17.3	0.0	0.0	0.0	X	X	X	X
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	11.1	80.4	11.1	80.4	X	80.4	X	X	X	X
321219	Reconstituted Wood Products	37.6	X	37.6	X	X	X	X	X	X	X
3219	Other Wood Products	26.3	96.1	26.4	96.1	X	96.1	X	X	X	X
322	Paper	30.1	0.0	30.3	0.0	X	0.0	X	X	X	X
322110	Pulp Mills	0.0	X	0.0	X	X	X	X	X	X	X

322120	Paper Mills	0.0	X	0.0	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	X	0.0	X	X	X	X
323	Printing and Related Support	37.4	62.1	37.8	X	62.1	X	X	X	X	X
324	Petroleum and Coal Products	0.1	2.1	0.1	0.0	0.0	27.9	17.1	X	X	X
324110	Petroleum Refineries	0.0	0.0	0.0	X	0.0	X	X	X	X	X
324121	Asphalt Paving Mixture and Block	5.7	5.7	17.3	X	0.0	27.9	47.3	X	X	X
324122	Asphalt Shingle and Coating Materials	4.1	0.0	4.4	X	X	X	0.0	X	X	X
324191	Petroleum Lubricating Oil and Grease Manufacturing	5.7	0.0	7.3	0.0	X	X	X	X	X	X
324199	All Other Petroleum and Coal Products Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
325	Chemicals	1.0	51.3	0.8	42.6	71.5	0.0	X	X	X	X
325110	Petrochemicals	0.0	X	0.0	X	X	X	X	X	X	X
325120	Industrial Gases	92.0	94.4	1.6	94.4	X	X	X	X	X	X
325180	Other Basic Inorganic Chemical Manufacturing	31.2	65.6	31.8	65.6	65.6	X	X	X	X	X
325193	Ethyl Alcohol	0.0	X	0.0	X	X	X	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	X	X	X	X	X	X	X
325199	All Other Basic Organic Chemical Manufacturing	17.9	0.0	18.1	0.0	0.0	X	X	X	X	X
325211	Plastics Materials and Resins	3.4	80.1	2.3	96.9	91.6	X	X	X	X	X
325212	Synthetic Rubber	0.0	0.0	0.0	0.0	X	0.0	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	0.0	0.0	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	X	X	X	X	X	X
325312	Phosphatic Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	0.8	0.0	2.1	0.0	0.0	X	X	X	X	X
325412	Pharmaceutical Preparation	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
326	Plastics and Rubber Products	50.5	89.7	50.8	89.7	X	X	X	X	X	X
327	Nonmetallic Mineral Products	11.8	32.5	12.5	53.3	29.2	X	X	X	X	X
327120	Clay Building Material and Refractories	2.2	0.0	2.2	X	0.0	X	X	X	X	X
327211	Flat Glass	0.0	X	0.0	X	X	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	50.7	0.0	73.0	0.0	0.0	X	X	X	X	X
327213	Glass Containers	0.0	X	0.0	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	49.8	0.0	49.8	0.0	X	X	X	X	X	X
327310	Cements	2.2	X	2.2	X	X	X	X	X	X	X
327410	Lime	0.0	X	0.0	X	X	X	X	X	X	X
327420	Gypsum	10.8	0.0	11.2	0.0	X	X	X	X	X	X
327993	Mineral Wool	0.2	X	0.2	X	X	X	X	X	X	X
331	Primary Metals	2.4	6.5	2.6	24.5	0.2	0.0	X	X	X	30.4
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	0.0
3312	Steel Products from Purchased Steel	10.4	66.1	10.7	73.0	X	0.0	X	X	X	X
3313	Alumina and Aluminum Production and Processing	2.0	5.9	2.0	14.6	X	0.0	X	X	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	X	0.0	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	1.4	0.0	1.5	0.0	X	0.0	X	X	X	0.0
331318	Other Aluminum Rolling, Drawing and Extruding	4.4	66.9	4.4	66.9	X	X	X	X	X	X
3314	Nonferrous Metal (except Aluminum) Production and Processing	6.7	17.2	7.4	26.1	0.0	X	X	X	X	39.4
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	19.3	X	19.3	X	X	X	X	X	X	X
3315	Foundries	4.4	23.9	4.4	86.1	35.1	0.0	X	X	X	X
331511	Iron Foundries	5.0	X	5.0	X	X	X	X	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	7.8	77.7	7.8	X	77.7	X	X	X	X	X

331524	Aluminum Foundries, except Die-Casting	12.6	X	12.6	X	0.0	X	X	X	X	X
332	Fabricated Metal Products	38.0	83.7	38.6	X	X	83.7	X	X	X	X
333	Machinery	67.7	X	67.7	X	X	X	X	X	X	X
334	Computer and Electronic Products	51.7	0.0	52.2	X	0.0	X	X	X	X	X
334413	Semiconductors and Related Devices	0.0	0.0	0.0	X	0.0	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	43.9	X	43.9	X	X	X	X	X	X	X
336	Transportation Equipment	27.9	30.0	28.0	X	53.3	0.0	X	X	X	96.7
336110	Automobile and Light Duty Motor Vehicle Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	36.6	76.5	36.8	X	53.3	0.0	X	X	X	96.7
336411	Aircraft	52.9	X	52.9	X	X	X	X	X	X	X
337	Furniture and Related Products	41.2	49.7	41.6	49.7	49.7	X	X	X	X	X
339	Miscellaneous	57.1	99.0	57.4	X	99.0	99.0	X	X	X	X
	Total	3.8	7.1	3.8	18.7	8.0	26.8	17.1	X	X	29.7

### West Census Region

[illegible]

325120	Industrial Gases	69.1	X	69.1	X	X	X	X	X	X	X
325180	Other Basic Inorganic Chemical Manufacturing	38.0	48.9	38.3	48.9	X	X	X	X	X	X
325193	Ethyl Alcohol	0.0	X	0.0	X	X	X	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	X	0.0	X	X	X	X	X	X	X
325199	All Other Basic Organic Chemical Manufacturing	0.3	X	0.3	X	X	X	X	X	X	X
325211	Plastics Materials and Resins	20.5	X	20.5	X	X	X	X	X	X	X
325212	Synthetic Rubber	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	X	0.0	X	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	X	0.0	X	X	X	X
325312	Phosphatic Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	5.4	0.0	5.4	0.0	X	X	X	X	X	X
325412	Pharmaceutical Preparation	49.0	X	49.0	X	X	X	X	X	X	X
325992	Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
326	Plastics and Rubber Products	66.3	90.0	66.6	90.0	X	X	X	X	X	X
327	Nonmetallic Mineral Products	47.7	0.0	48.1	0.0	0.0	X	X	X	X	X
327120	Clay Building Material and Refractories	9.2	0.0	9.7	X	0.0	X	X	X	X	X
327211	Flat Glass	0.0	0.0	0.0	X	0.0	X	X	X	X	X
327212	Other Pressed and Blown Glass and Glassware	7.8	0.0	7.8	0.0	X	X	X	X	X	X
327213	Glass Containers	0.0	X	0.0	X	X	X	X	X	X	X
327215	Glass Products from Purchased Glass	21.0	X	21.0	X	X	X	X	X	X	X
327310	Cements	0.0	X	0.0	X	X	X	X	X	X	X
327410	Lime	0.0	X	0.0	X	X	X	X	X	X	X
327420	Gypsum	0.0	X	0.0	X	X	X	X	X	X	X
327993	Mineral Wool	0.0	X	0.0	X	X	X	X	X	X	X
331	Primary Metals	3.0	5.1	3.1	8.3	0.0	0.0	X	X	X	0.0
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	38.4	0.0	38.7	0.0	0.0	0.0	X	X	X	0.0
3313	Alumina and Aluminum Production and Processing	0.6	0.0	0.7	0.0	0.0	0.0	X	X	X	X
331314	Secondary Smelting and Alloying of Aluminum	0.0	X	0.0	X	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	X	0.0	X	X	X	X	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	1.3	0.0	1.5	0.0	0.0	0.0	X	X	X	X
3314	Nonferrous Metal (except Aluminum) Production and Processing	0.4	19.2	0.1	20.8	0.0	X	X	X	X	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.1	0.0	0.1	X	0.0	X	X	X	X	X
3315	Foundries	1.5	2.4	1.6	31.1	0.0	X	X	X	X	X
331511	Iron Foundries	1.6	2.4	2.2	31.1	0.0	X	X	X	X	X
331523	Nonferrous Metal Die-Casting Foundries	8.1	X	8.1	X	X	X	X	X	X	X
331524	Aluminum Foundries, except Die-Casting	0.6	X	0.6	X	X	X	X	X	X	X
332	Fabricated Metal Products	37.5	89.2	35.7	99.5	76.6	99.5	X	X	X	X
333	Machinery	58.6	99.0	60.3	99.0	X	X	X	X	X	X
334	Computer and Electronic Products	7.2	0.0	7.3	0.0	X	X	X	X	X	X
334413	Semiconductors and Related Devices	15.3	0.0	16.8	0.0	X	X	X	X	X	X
335	Electrical Equip., Appliances, and Components	98.4	X	98.4	X	X	X	X	X	X	X
336	Transportation Equipment	43.7	62.6	44.3	62.6	X	X	X	X	X	X
336110	Automobile and Light Duty Motor Vehicle Manufacturing	27.9	X	27.9	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	19.5	18.7	19.7	18.7	X	X	X	X	X	X
336411	Aircraft	33.5	X	33.5	X	X	X	X	X	X	X
337	Furniture and Related Products	49.0	X	49.0	X	X	X	X	X	X	X

339	Miscellaneous	50.6	74.1	51.7	87.5	86.0	X	X	X	X	X
	Total	5.0	15.1	5.3	49.0	7.8	38.7	X	X	X	0.0

#### Economic characteristic<sup>f</sup>

##### Value of shipments and receipts (million dollars)

Under 20	12.2	2.0	14.3	35.3	0.2	25.9	50.5	X	X	53.9
20-49	15.1	62.3	15.5	65.6	79.9	47.1	X	X	X	0.0
50-99	21.1	42.8	21.5	23.7	87.2	2.7	X	X	X	16.0
100-249	13.9	23.7	14.3	22.6	35.0	14.6	0.0	X	X	0.0
250-499	11.2	5.7	12.5	12.2	6.3	0.0	X	X	X	30.4
500 and Over	0.8	2.9	0.8	35.6	0.1	29.1	X	X	X	0.0
Total	4.1	3.9	4.6	21.9	1.7	20.7	42.7	X	X	24.4

##### Employment size

Under 50	12.3	1.9	14.5	38.7	0.2	25.6	50.5	X	X	45.1
50-99	13.5	20.4	14.1	44.8	19.1	50.9	X	X	X	0.0
100-249	9.3	55.9	9.4	56.7	68.7	47.5	0.0	X	X	30.5
250-499	8.2	1.0	8.9	20.3	0.4	0.0	X	X	X	0.0
500-999	1.6	12.3	1.6	48.6	6.7	0.0	X	X	X	X
1000 and Over	5.9	3.4	10.2	48.9	0.1	50.8	X	X	X	X
Total	4.1	3.9	4.6	21.9	1.7	20.7	42.7	X	X	24.4

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, *2022 Manufacturing Energy Consumption Survey*, and the Bureau of the Census, data files for the *2022 Economic Census, Manufacturing – Industry Series*

Note: Totals may not equal sum of components because of independent rounding.

<sup>a</sup> The Bureau of the Census classifies establishments using the 2022 North American Industry Classification System (NAICS).

<sup>b</sup> *Alternative energy sources* consist of those energy sources that could have been substituted for HGL (excluding natural gasoline) during 2022. The quantities are expressed in thousands of barrels and therefore represent the quantity of HGL (excluding natural gasoline) that could have been displaced by the given alternative type of energy.

<sup>c</sup> *Total consumed* represents those quantities (total inputs) of HGL (excluding natural gasoline) that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

<sup>d</sup> *Electricity receipts* represent 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* have 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.

<sup>e</sup> *Other* includes all other types of energy not already identified that respondents indicated could have been consumed in place of HGL (excluding natural gasoline).

<sup>f</sup> *Value of shipments and receipts* and *employment size* categories were supplied by the Bureau of the Census.

\* Estimate less than 0.5.

D=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because relative standard error (RSE) is greater than 50%.

NA=Not available.

X=Not defined because RSE corresponds to a data table value of zero.

*The Census Bureau has reviewed this data product to ensure appropriate access, use, and disclosure protection of the confidential source data (Project No. 7504703, Disclosure Review Board (DRB) approval number: CBDRB-FY25-0054).*

