

Released: October 2017
 Next MECS will be fielded in 2019

Table 1.1 First Use of Energy for All Purposes (Fuel and Nonfuel), 2014;

Level: National and Regional Data;
 Row: NAICS Codes; Column: Energy Sources and Shipments;
 Unit: Physical Units or Btu.

NAICS Code(a)	Subsector and Industry	Total(b) (trillion Btu)	Net Electricity(c) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(d) (million bbl)	Natural Gas(e) (billion cu ft)	HGL (excluding natural gasoline)(f) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(g) (trillion Btu)	Shipments of Energy Sources Produced Onsite(h) (trillion Btu)
Total United States											
311	Food	1,113	72,331	1	3	556	1	5	*	154	*
3112	Grain and Oilseed Milling	280	14,591	*	*	130	*	3	0	30	*
311221	Wet Corn Milling	138	6,461	0	*	46	*	2	0	13	0
31131	Sugar Manufacturing	174	1,224	*	*	15	*	2	*	106	0
3114	Fruit and Vegetable Preserving and Specialty Food	144	9,551	*	*	103	*	*	0	3	0
3115	Dairy Product	110	10,350	*	*	67	*	*	0	2	0
3116	Animal Slaughtering and Processing	199	18,173	*	1	122	*	*	0	3	0
312	Beverage and Tobacco Products	95	9,808	*	*	47	*	*	0	4	0
3121	Beverages	86	8,868	0	*	42	*	*	0	4	0
3122	Tobacco	9	940	*	*	5	*	*	0	*	0
313	Textile Mills	97	12,586	*	*	35	*	*	0	12	0
314	Textile Product Mills	28	2,748	*	*	16	*	*	0	*	0
315	Apparel	5	803	0	*	2	*	0	0	*	0
316	Leather and Allied Products	3	316	*	*	1	*	0	0	*	0
321	Wood Products	386	21,308	*	2	48	1	*	0	248	0
321113	Sawmills	123	5,001	*	1	6	*	*	0	95	0
3212	Veneer, Plywood, and Engineered Woods	161	7,377	*	*	28	*	*	0	104	0
321219	Reconstituted Wood Products	97	4,926	*	*	20	*	*	0	58	0
3219	Other Wood Products	94	8,541	*	1	13	1	0	0	Q	0
322	Paper	2,087	56,017	3	1	424	1	7	0	1,288	0
322110	Pulp Mills	255	1,345	*	*	29	*	*	0	216	0
322121	Paper Mills, except Newsprint	751	17,321	1	*	156	*	4	0	427	0
322122	Newsprint Mills	59	8,206	0	*	8	*	*	0	22	0
322130	Paperboard Mills	915	16,108	1	*	183	*	2	0	618	0
323	Printing and Related Support	90	14,219	*	*	38	*	0	0	Q	0
324	Petroleum and Coal Products	4,168	48,904	1	2	1,041	10	W	W	W	88
324110	Petroleum Refineries	3,372	46,871	*	1	972	10	*	0	2,168	0
324121	Asphalt Paving Mixture and Block	430	933	*	1	42	*	0	0	377	*
324122	Asphalt Shingle and Coating Materials	W	730	*	*	10	*	*	0	W	*
324199	Other Petroleum and Coal Products	W	-316	0	*	8	*	W	W	W	88
325	Chemicals	6,297	134,327	9	2	2,426	682	11	*	1,043	394
325110	Petrochemicals	1,110	5,810	W	*	301	274	0	0	W	279
325120	Industrial Gases	185	19,971	0	*	121	*	0	0	3	11
325180	Other Basic Inorganic Chemicals	375	23,213	W	*	156	*	2	*	W	0
325193	Ethyl Alcohol	491	11,306	0	*	353	*	4	0	8	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	42	2,998	0	*	24	*	0	0	7	0
325199	Other Basic Organic Chemicals	1,414	16,805	*	1	461	156	3	0	342	91
325211	Plastics Materials and Resins	1,775	16,934	*	*	412	250	1	0	418	13
325212	Synthetic Rubber	34	1,127	0	*	19	*	*	0	10	0

325220	Artificial and Synthetic Fibers and Filaments	35	3,217	*	*	13	*	*	0	*	0
325311	Nitrogenous Fertilizers	W	3,832	*	*	372	*	0	0	W	*
325312	Phosphatic Fertilizers	36	1,998	*	*	24	*	*	0	*	0
3254	Pharmaceuticals and Medicines	94	10,671	0	*	49	*	*	0	4	0
325412	Pharmaceutical Preparation	47	5,617	0	*	21	*	*	0	3	0
325992	Photographic Film, Paper, Plate, and Chemicals	9	993	*	*	4	*	0	0	2	0
326	Plastics and Rubber Products	295	55,631	0	Q	88	1	*	0	Q	0
327	Nonmetallic Mineral Products	833	37,498	*	3	324	1	11	1	99	0
327120	Clay Building Material and Refractories	43	1,502	*	*	34	*	*	0	1	0
327211	Flat Glass	62	1,657	0	*	45	*	*	0	9	0
327212	Other Pressed and Blown Glass and Glassware	32	2,237	0	*	24	*	0	0	*	0
327213	Glass Containers	58	3,544	0	*	45	*	0	0	*	0
327215	Glass Products from Purchased Glass	23	3,347	*	*	11	*	*	0	*	0
327310	Cements	300	11,008	*	1	20	*	7	*	68	0
327410	Lime	105	1,461	0	*	6	*	3	*	18	0
327420	Gypsum	53	1,368	0	*	46	*	0	0	*	0
327993	Mineral Wool	33	3,207	*	*	20	*	0	*	1	0
331	Primary Metals	1,641	127,040	*	1	669	1	W	W	W	114
331110	Iron and Steel Mills and Ferroalloys	1,101	59,867	*	1	430	*	W	W	W	114
3312	Steel Products from Purchased Steel	58	6,557	0	*	27	*	*	0	7	0
3313	Alumina and Aluminum	254	34,380	*	*	117	*	0	0	15	*
331314	Secondary Smelting and Alloying of Aluminum	20	847	0	*	16	*	0	0	*	0
331315	Aluminum Sheet, Plate and Foils	62	4,494	0	*	44	*	0	0	2	*
331318	Other Aluminum Rolling, Drawing and Extruding	21	1,741	*	*	14	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	109	13,017	0	*	41	*	*	*	10	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	52	7,785	0	*	16	*	*	*	4	0
3315	Foundries	119	13,219	*	*	54	*	*	1	*	*
331511	Iron Foundries	54	6,047	*	*	16	*	*	1	*	*
331523	Nonferrous Metal Die-Casting Foundries	24	2,105	0	*	16	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	11	793	*	*	8	*	0	0	*	0
332	Fabricated Metal Products	349	41,869	0	*	188	2	*	0	Q	0
333	Machinery	165	23,424	*	1	72	1	*	0	1	0
334	Computer and Electronic Products	162	32,820	*	*	46	*	0	0	Q	0
334413	Semiconductors and Related Devices	90	19,106	*	*	24	*	0	0	1	0
335	Electrical Equip., Appliances, and Components	74	11,764	0	*	26	*	0	*	5	0
336	Transportation Equipment	323	45,185	*	1	145	1	*	*	9	0
336111	Automobiles	33	3,623	0	*	18	*	*	0	1	0
336112	Light Trucks and Utility Vehicles	39	3,574	0	*	24	*	*	0	2	0
3364	Aerospace Product and Parts	69	9,417	*	*	29	*	0	0	5	0
336411	Aircraft	23	3,197	*	*	10	*	0	0	*	0
337	Furniture and Related Products	37	5,072	0	*	14	*	*	0	4	0
339	Miscellaneous	57	8,466	*	*	25	*	0	0	Q	0
	Subtotal	18,306	762,136	14	18	6,232	704	57	13	5,672	597
	Miscellaneous Nonfuel Products(i)	529	0	0	0	0	0	0	0	529	0
	Total	18,835	762,136	14	18	6,232	704	57	13	6,201	597

Northeast Census Region

311	Food	68	5,739	*	*	41	*	*	0	1	0
3112	Grain and Oilseed Milling	3	407	0	*	2	*	0	0	*	0
311221	Wet Corn Milling	*	7	0	*	*	0	0	0	0	0
31131	Sugar Manufacturing	*	25	0	0	*	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	11	783	*	*	7	*	*	0	*	0

3115	Dairy Product	16	1,409	*	*	9	*	0	0	*	0
3116	Animal Slaughtering and Processing	9	770	*	*	5	*	0	0	*	0
312	Beverage and Tobacco Products	12	1,467	0	*	7	*	0	0	*	0
3121	Beverages	12	1,439	0	*	6	*	0	0	*	0
3122	Tobacco	1	27	0	*	1	*	0	0	*	0
313	Textile Mills	Q	Q	*	*	10	*	0	0	Q	0
314	Textile Product Mills	1	119	0	*	*	*	*	0	0	0
315	Apparel	*	102	0	*	*	*	0	0	0	0
316	Leather and Allied Products	*	46	*	*	*	*	0	0	*	0
321	Wood Products	62	1,981	*	*	5	*	*	0	48	0
321113	Sawmills	6	393	*	*	*	*	*	0	4	0
3212	Veneer, Plywood, and Engineered Woods	41	274	0	*	1	*	0	0	39	0
321219	Reconstituted Wood Products	26	226	0	*	1	*	0	0	24	0
3219	Other Wood Products	15	1,297	0	*	3	*	0	0	6	0
322	Paper	214	5,615	1	*	56	*	1	0	107	0
322110	Pulp Mills	14	73	0	*	3	*	0	0	10	0
322121	Paper Mills, except Newsprint	154	1,940	1	*	28	*	1	0	90	0
322122	Newsprint Mills	0	0	0	0	0	0	0	0	0	0
322130	Paperboard Mills	24	1,423	*	*	16	*	0	0	2	0
323	Printing and Related Support	13	2,304	*	*	5	*	0	0	*	0
324	Petroleum and Coal Products	258	2,925	*	*	38	*	*	0	204	*
324110	Petroleum Refineries	158	2,491	*	*	28	*	*	0	118	0
324121	Asphalt Paving Mixture and Block	89	263	*	*	7	*	0	0	78	0
324122	Asphalt Shingle and Coating Materials	9	35	0	*	*	*	*	0	8	0
324199	Other Petroleum and Coal Products	2	41	0	*	2	*	0	0	*	*
325	Chemicals	211	12,626	*	*	73	21	*	0	13	1
325110	Petrochemicals	*	18	0	*	*	0	0	0	*	0
325120	Industrial Gases	12	2,868	0	*	2	*	0	0	2	1
325180	Other Basic Inorganic Chemicals	16	2,539	0	*	4	*	0	0	3	0
325193	Ethyl Alcohol	10	221	0	*	9	*	0	0	0	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	7	206	0	*	6	*	0	0	*	0
325199	Other Basic Organic Chemicals	13	667	0	*	9	*	0	0	2	0
325211	Plastics Materials and Resins	90	1,124	*	*	7	21	0	0	3	0
325212	Synthetic Rubber	*	10	0	*	*	*	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	*	23	0	0	*	*	0	0	*	0
325311	Nitrogenous Fertilizers	2	26	*	*	1	*	0	0	1	0
325312	Phosphatic Fertilizers	*	1	0	*	0	*	0	0	*	0
3254	Pharmaceuticals and Medicines	35	3,423	0	*	22	*	0	0	*	0
325412	Pharmaceutical Preparation	9	910	0	*	5	*	0	0	*	0
325992	Photographic Film, Paper, Plate, and Chemicals	5	435	*	*	1	*	0	0	2	0
326	Plastics and Rubber Products	29	5,271	0	*	7	*	*	0	*	0
327	Nonmetallic Mineral Products	97	3,822	*	1	45	*	1	*	16	0
327120	Clay Building Material and Refractories	6	276	0	*	4	*	0	0	*	0
327211	Flat Glass	19	309	0	*	9	*	*	0	9	0
327212	Other Pressed and Blown Glass and Glassware	6	453	0	*	5	*	0	0	*	0
327213	Glass Containers	10	651	0	*	8	*	0	0	*	0
327215	Glass Products from Purchased Glass	4	369	0	*	2	*	*	0	*	0
327310	Cements	25	870	*	*	3	*	1	*	7	0
327410	Lime	7	57	0	*	*	*	*	0	*	0
327420	Gypsum	5	119	0	*	4	*	0	0	*	0
327993	Mineral Wool	3	162	0	*	2	*	0	0	*	0
331	Primary Metals	183	12,943	*	*	69	*	6	*	12	86

331110	Iron and Steel Mills and Ferroalloys	120	6,797	0	*	43	*	6	*	*	86
3312	Steel Products from Purchased Steel	9	567	0	*	5	*	0	0	2	0
3313	Alumina and Aluminum	24	2,868	*	*	10	*	0	0	4	0
331314	Secondary Smelting and Alloying of Aluminum	*	16	0	*	*	*	0	0	*	0
331315	Aluminum Sheet, Plate and Foils	8	496	0	*	6	*	0	0	*	0
331318	Other Aluminum Rolling, Drawing and Extruding	W	W	*	*	3	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	21	1,661	0	*	7	*	*	*	5	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	2	205	0	*	*	*	0	*	*	0
3315	Foundries	8	1,049	*	*	4	*	*	*	*	0
331511	Iron Foundries	4	549	0	*	1	*	*	*	*	0
331523	Nonferrous Metal Die-Casting Foundries	1	91	0	0	1	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	1	74	*	*	*	*	0	0	*	0
332	Fabricated Metal Products	36	4,311	0	*	19	*	0	0	*	0
333	Machinery	21	3,065	0	*	8	*	0	0	*	0
334	Computer and Electronic Products	28	5,593	*	*	8	*	0	0	*	0
334413	Semiconductors and Related Devices	12	2,128	*	*	4	*	0	0	*	0
335	Electrical Equip., Appliances, and Components	17	2,297	0	*	5	*	0	*	Q	0
336	Transportation Equipment	24	2,982	*	*	12	*	*	0	Q	0
336111	Automobiles	*	1	0	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	9	1,025	*	*	5	*	0	0	*	0
336411	Aircraft	2	264	*	*	1	*	0	0	*	0
337	Furniture and Related Products	4	422	0	*	1	*	0	0	Q	0
339	Miscellaneous	13	1,778	*	*	6	*	0	0	Q	0
	Total	1,313	77,252	2	3	415	23	8	*	412	88

Midwest Census Region

311	Food	473	31,998	*	1	240	*	4	*	26	*
3112	Grain and Oilseed Milling	217	10,070	*	*	98	*	3	0	23	*
311221	Wet Corn Milling	122	5,546	0	*	41	*	2	0	11	0
31131	Sugar Manufacturing	35	563	*	*	5	*	1	*	*	0
3114	Fruit and Vegetable Preserving and Specialty Food	30	2,897	*	*	19	*	0	0	*	0
3115	Dairy Product	42	3,752	*	*	26	*	*	0	1	0
3116	Animal Slaughtering and Processing	80	7,284	*	*	51	*	0	0	1	0
312	Beverage and Tobacco Products	16	1,435	0	*	10	*	*	0	*	0
3121	Beverages	16	1,418	0	*	10	*	*	0	*	0
3122	Tobacco	*	16	0	*	*	0	0	0	0	0
313	Textile Mills	2	270	0	*	1	*	0	0	*	0
314	Textile Product Mills	Q	323	0	*	Q	*	0	0	*	0
315	Apparel	*	Q	0	0	*	0	0	0	0	0
316	Leather and Allied Products	1	152	0	0	1	*	0	0	0	0
321	Wood Products	39	2,534	*	*	10	*	*	0	16	0
321113	Sawmills	7	375	*	*	1	*	0	0	5	0
3212	Veneer, Plywood, and Engineered Woods	13	633	0	*	4	*	*	0	5	0
321219	Reconstituted Wood Products	9	434	0	*	3	*	*	0	4	0
3219	Other Wood Products	17	1,500	0	*	5	*	0	0	Q	0
322	Paper	273	13,724	*	*	79	*	2	0	101	0
322110	Pulp Mills	2	233	0	*	1	*	0	0	*	0
322121	Paper Mills, except Newsprint	172	6,312	*	*	36	*	2	0	78	0
322122	Newsprint Mills	3	381	0	0	*	0	0	0	2	0
322130	Paperboard Mills	58	2,783	*	*	24	*	*	0	20	0
323	Printing and Related Support	28	4,189	0	*	13	*	0	0	*	0

324	Petroleum and Coal Products	825	9,596	*	*	146	5	W	W	W	5
324110	Petroleum Refineries	536	9,544	0	*	126	5	0	0	354	0
324121	Asphalt Paving Mixture and Block	85	147	*	*	9	*	0	0	75	0
324122	Asphalt Shingle and Coating Materials	W	233	*	*	4	*	0	0	W	0
324199	Other Petroleum and Coal Products	W	-494	0	*	4	*	W	W	W	5
325	Chemicals	1,028	37,933	1	*	528	36	5	0	104	1
325110	Petrochemicals	*	4	0	0	*	*	0	0	0	0
325120	Industrial Gases	23	5,800	0	*	4	*	0	0	*	*
325180	Other Basic Inorganic Chemicals	31	2,373	1	*	16	*	0	0	4	0
325193	Ethyl Alcohol	452	10,351	0	*	319	*	4	0	7	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	5	420	0	*	3	*	0	0	*	0
325199	Other Basic Organic Chemicals	123	4,139	0	*	23	4	1	0	Q	0
325211	Plastics Materials and Resins	163	4,475	*	*	24	30	1	0	5	*
325212	Synthetic Rubber	2	122	0	*	1	*	*	0	*	0
325220	Artificial and Synthetic Fibers and Filaments	*	52	0	0	*	*	0	0	0	0
325311	Nitrogenous Fertilizers	W	1,403	0	*	76	*	0	0	W	*
325312	Phosphatic Fertilizers	*	11	0	*	*	*	0	0	*	0
3254	Pharmaceuticals and Medicines	28	3,074	0	*	12	*	*	0	3	0
325412	Pharmaceutical Preparation	19	2,211	0	*	7	*	*	0	2	0
325992	Photographic Film, Paper, Plate, and Chemicals	1	87	0	0	*	*	0	0	*	0
326	Plastics and Rubber Products	99	17,115	0	*	38	*	0	0	*	0
327	Nonmetallic Mineral Products	232	11,305	*	*	84	*	3	*	27	0
327120	Clay Building Material and Refractories	8	250	0	*	6	*	*	0	*	0
327211	Flat Glass	15	426	0	*	13	*	0	0	*	0
327212	Other Pressed and Blown Glass and Glassware	9	463	0	*	7	*	0	0	*	0
327213	Glass Containers	14	873	0	*	11	*	0	0	*	0
327215	Glass Products from Purchased Glass	8	1,417	0	*	3	*	0	0	*	0
327310	Cements	W	W	0	*	3	*	W	*	W	0
327410	Lime	W	W	0	*	3	*	W	*	W	0
327420	Gypsum	10	269	0	*	9	*	0	0	*	0
327993	Mineral Wool	13	1,349	*	*	7	*	0	*	1	0
331	Primary Metals	917	49,162	*	*	366	*	W	W	W	10
331110	Iron and Steel Mills and Ferroalloys	721	24,099	*	*	277	*	W	W	W	10
3312	Steel Products from Purchased Steel	24	2,632	0	*	14	*	*	0	*	0
3313	Alumina and Aluminum	70	10,818	0	*	29	*	0	0	3	0
331314	Secondary Smelting and Alloying of Aluminum	10	470	0	*	8	*	0	0	*	0
331315	Aluminum Sheet, Plate and Foils	19	1,543	0	*	13	*	0	0	*	0
331318	Other Aluminum Rolling, Drawing and Extruding	W	W	0	*	4	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	30	4,040	0	*	12	*	0	*	*	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	12	2,496	0	*	3	*	0	*	*	0
3315	Foundries	73	7,572	*	*	34	*	*	*	*	0
331511	Iron Foundries	37	4,216	*	*	11	*	*	*	*	0
331523	Nonferrous Metal Die-Casting Foundries	16	1,428	0	*	11	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	7	445	0	*	5	*	0	0	*	0
332	Fabricated Metal Products	195	19,698	0	*	120	1	*	0	*	0
333	Machinery	91	10,577	*	1	46	*	*	0	1	0
334	Computer and Electronic Products	28	4,451	0	*	Q	*	0	0	Q	0
334413	Semiconductors and Related Devices	3	641	0	*	*	*	0	0	*	0
335	Electrical Equip., Appliances, and Components	19	3,284	0	*	6	*	0	0	*	0
336	Transportation Equipment	151	20,100	*	*	73	*	*	*	4	0
336111	Automobiles	22	2,122	0	*	14	*	*	0	1	0
336112	Light Trucks and Utility Vehicles	25	1,986	0	*	17	*	*	0	1	0

3364	Aerospace Product and Parts	15	2,009	*	*	7	*	0	0	1	0
336411	Aircraft	4	502	0	*	2	*	0	0	*	0
337	Furniture and Related Products	14	1,634	0	*	8	*	*	0	*	0
339	Miscellaneous	15	2,431	0	*	6	*	0	0	*	0
	Total	4,451	241,953	1	4	1,787	45	25	11	779	17

South Census Region

311	Food	360	22,524	*	1	144	*	*	0	120	0
3112	Grain and Oilseed Milling	50	3,362	*	*	24	*	*	0	8	0
311221	Wet Corn Milling	14	840	0	*	4	*	*	0	2	0
31131	Sugar Manufacturing	106	383	*	*	2	*	0	0	102	0
3114	Fruit and Vegetable Preserving and Specialty Food	28	2,464	*	*	18	*	0	0	*	0
3115	Dairy Product	13	1,914	0	*	6	*	0	0	*	0
3116	Animal Slaughtering and Processing	92	8,727	*	1	55	*	0	0	0	0
312	Beverage and Tobacco Products	41	3,897	*	*	22	*	*	0	1	0
3121	Beverages	33	3,001	0	*	18	*	*	0	1	0
3122	Tobacco	8	896	*	*	4	*	*	0	*	0
313	Textile Mills	70	10,232	*	*	22	*	*	0	7	0
314	Textile Product Mills	20	2,100	*	*	11	*	*	0	*	0
315	Apparel	4	579	0	*	1	*	0	0	*	0
316	Leather and Allied Products	1	98	*	*	*	*	0	0	*	0
321	Wood Products	208	12,827	*	1	21	*	0	0	135	0
321113	Sawmills	67	3,072	0	*	1	*	0	0	53	0
3212	Veneer, Plywood, and Engineered Woods	82	4,675	*	*	17	*	0	0	47	0
321219	Reconstituted Wood Products	52	3,395	*	*	13	*	0	0	26	0
3219	Other Wood Products	0	0	*	*	2	*	0	0	0	0
322	Paper	1,391	26,676	1	1	230	*	4	0	971	0
322110	Pulp Mills	232	935	*	*	24	*	*	0	199	0
322121	Paper Mills, except Newsprint	377	7,719	*	*	70	*	2	0	237	0
322122	Newsprint Mills	34	3,571	0	*	7	*	*	0	15	0
322130	Paperboard Mills	717	9,570	1	*	116	*	2	0	520	0
323	Printing and Related Support	40	6,551	0	*	16	*	0	0	0	0
324	Petroleum and Coal Products	2,164	28,713	*	1	604	2	3	*	1,441	77
324110	Petroleum Refineries	1,869	27,370	*	1	575	2	0	0	1,172	0
324121	Asphalt Paving Mixture and Block	175	337	*	*	18	*	0	0	153	*
324122	Asphalt Shingle and Coating Materials	82	361	0	*	5	*	*	0	76	*
324199	Other Petroleum and Coal Products	30	246	0	*	1	*	3	*	39	77
325	Chemicals	4,900	72,287	9	2	1,765	625	4	0	922	393
325110	Petrochemicals	1,110	5,788	W	*	300	274	0	0	W	279
325120	Industrial Gases	140	9,167	0	*	115	*	0	0	1	10
325180	Other Basic Inorganic Chemicals	240	13,200	W	*	120	*	*	0	W	0
325193	Ethyl Alcohol	13	296	0	*	11	*	0	0	*	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	28	2,387	0	*	12	*	0	0	7	0
325199	Other Basic Organic Chemicals	1,272	11,491	*	1	426	152	3	0	281	91
325211	Plastics Materials and Resins	1,519	11,095	*	*	378	199	*	0	410	13
325212	Synthetic Rubber	32	979	0	*	18	*	0	0	10	0
325220	Artificial and Synthetic Fibers and Filaments	34	3,135	*	*	13	*	*	0	*	0
325311	Nitrogenous Fertilizers	299	1,933	0	*	284	0	0	0	*	0
325312	Phosphatic Fertilizers	32	1,625	*	*	22	*	*	0	*	0
3254	Pharmaceuticals and Medicines	21	2,695	0	*	10	*	0	0	1	0
325412	Pharmaceutical Preparation	12	1,670	0	*	5	*	0	0	1	0
325992	Photographic Film, Paper, Plate, and Chemicals	2	311	0	*	1	*	0	0	*	0

326	Plastics and Rubber Products	128	23,590	0	Q	37	1	*	0	Q	0
327	Nonmetallic Mineral Products	355	16,538	*	1	150	*	4	*	33	0
327120	Clay Building Material and Refractories	27	871	*	*	21	*	*	0	1	0
327211	Flat Glass	22	725	0	*	19	*	0	0	*	0
327212	Other Pressed and Blown Glass and Glassware	14	1,198	0	*	10	*	0	0	*	0
327213	Glass Containers	21	1,112	0	*	17	*	0	0	*	0
327215	Glass Products from Purchased Glass	9	1,168	*	*	5	*	0	0	*	0
327310	Cements	123	4,882	*	*	8	*	3	*	25	0
327410	Lime	39	687	0	*	3	*	1	0	7	0
327420	Gypsum	27	709	0	*	24	*	0	0	*	0
327993	Mineral Wool	12	1,167	0	*	8	*	0	*	*	0
331	Primary Metals	457	51,265	*	*	201	*	2	1	18	18
331110	Iron and Steel Mills and Ferroalloys	236	24,972	*	*	100	*	2	1	1	17
3312	Steel Products from Purchased Steel	24	3,213	0	*	8	*	*	0	4	0
3313	Alumina and Aluminum	132	14,792	*	*	70	*	0	0	8	*
331314	Secondary Smelting and Alloying of Aluminum	8	332	0	*	7	*	0	0	*	0
331315	Aluminum Sheet, Plate and Foils	32	2,092	0	*	22	*	0	0	2	*
331318	Other Aluminum Rolling, Drawing and Extruding	7	658	*	*	5	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	34	4,428	0	*	9	*	*	*	4	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	19	2,867	0	*	1	*	*	0	4	0
3315	Foundries	32	3,861	0	*	13	*	*	*	*	*
331511	Iron Foundries	12	1,157	0	*	3	*	*	*	*	*
331523	Nonferrous Metal Die-Casting Foundries	5	452	0	*	4	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	3	216	0	*	2	*	0	0	*	0
332	Fabricated Metal Products	82	12,819	0	*	32	*	0	0	Q	0
333	Machinery	43	7,795	*	*	14	*	0	0	*	0
334	Computer and Electronic Products	32	7,076	0	*	8	*	0	0	*	0
334413	Semiconductors and Related Devices	17	3,842	0	*	4	*	0	0	*	0
335	Electrical Equip., Appliances, and Components	33	5,408	0	*	12	*	0	0	2	0
336	Transportation Equipment	113	16,962	*	*	44	1	0	0	4	0
336111	Automobiles	6	872	0	*	3	*	0	0	*	0
336112	Light Trucks and Utility Vehicles	14	1,585	0	*	7	*	0	0	1	0
3364	Aerospace Product and Parts	23	3,170	0	*	7	*	0	0	3	0
336411	Aircraft	12	1,707	0	*	5	*	0	0	*	0
337	Furniture and Related Products	15	2,281	0	*	5	*	*	0	2	0
339	Miscellaneous	22	2,699	0	*	Q	*	0	0	*	0
	Total	10,476	332,918	11	9	3,349	632	17	1	3,662	488

West Census Region

311	Food	212	12,071	0	1	131	1	1	*	7	0
3112	Grain and Oilseed Milling	9	752	0	*	6	*	0	0	*	0
311221	Wet Corn Milling	2	68	0	*	2	*	0	0	*	0
31131	Sugar Manufacturing	32	253	0	*	8	*	1	*	4	0
3114	Fruit and Vegetable Preserving and Specialty Food	76	3,408	0	*	58	*	0	0	2	0
3115	Dairy Product	38	3,277	0	*	25	*	0	0	Q	0
3116	Animal Slaughtering and Processing	18	1,393	0	*	12	*	*	0	*	0
312	Beverage and Tobacco Products	25	3,010	0	*	8	*	*	0	2	0
3121	Beverages	25	3,010	0	*	8	*	*	0	2	0
3122	Tobacco	0	0	0	0	0	0	0	0	0	0
313	Textile Mills	3	239	0	0	2	*	0	0	*	0
314	Textile Product Mills	Q	206	0	0	Q	*	0	0	0	0
315	Apparel	*	79	0	0	*	*	0	0	0	0

316	Leather and Allied Products	*	20	0	*	*	*	0	0	*	0
321	Wood Products	78	3,966	0	*	12	*	0	0	49	0
321113	Sawmills	43	1,161	0	*	3	*	0	0	34	0
3212	Veneer, Plywood, and Engineered Woods	25	1,794	0	*	6	*	0	0	13	0
321219	Reconstituted Wood Products	9	870	0	*	2	*	0	0	3	0
3219	Other Wood Products	8	902	0	*	2	*	0	0	2	0
322	Paper	209	10,002	*	*	60	*	*	0	109	0
322110	Pulp Mills	7	104	*	*	0	*	0	0	7	0
322121	Paper Mills, except Newsprint	49	1,349	0	*	22	*	0	0	22	0
322122	Newsprint Mills	21	4,254	0	*	1	*	0	0	5	0
322130	Paperboard Mills	115	2,333	*	*	27	*	*	0	76	0
323	Printing and Related Support	8	1,176	0	*	4	*	0	0	*	0
324	Petroleum and Coal Products	922	7,670	*	*	254	2	*	0	621	5
324110	Petroleum Refineries	809	7,466	*	*	242	2	0	0	524	0
324121	Asphalt Paving Mixture and Block	81	187	*	*	8	*	0	0	71	0
324122	Asphalt Shingle and Coating Materials	24	101	0	*	2	*	0	0	22	0
324199	Other Petroleum and Coal Products	6	-109	0	*	*	*	*	0	4	5
325	Chemicals	158	11,482	0	*	61	*	2	*	5	*
325110	Petrochemicals	*	*	0	0	*	0	0	0	0	0
325120	Industrial Gases	9	2,136	0	*	1	*	0	0	*	*
325180	Other Basic Inorganic Chemicals	88	5,101	0	*	17	*	2	*	3	0
325193	Ethyl Alcohol	16	440	0	*	14	*	0	0	1	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	2	-15	0	0	2	*	0	0	*	0
325199	Other Basic Organic Chemicals	6	509	0	*	3	*	0	0	1	0
325211	Plastics Materials and Resins	3	240	0	*	2	*	0	0	*	0
325212	Synthetic Rubber	*	16	0	0	*	*	0	0	0	0
325220	Artificial and Synthetic Fibers and Filaments	*	6	0	0	*	*	0	0	*	0
325311	Nitrogenous Fertilizers	13	470	0	*	11	*	0	0	*	0
325312	Phosphatic Fertilizers	4	362	0	*	2	*	0	0	*	0
3254	Pharmaceuticals and Medicines	11	1,479	0	*	6	*	0	0	*	0
325412	Pharmaceutical Preparation	6	827	0	*	3	*	0	0	*	0
325992	Photographic Film, Paper, Plate, and Chemicals	2	160	0	*	1	*	0	0	*	0
326	Plastics and Rubber Products	40	9,655	0	*	6	*	0	0	*	0
327	Nonmetallic Mineral Products	149	5,833	0	1	46	*	2	*	23	0
327120	Clay Building Material and Refractories	3	105	0	*	2	*	0	0	*	0
327211	Flat Glass	5	197	0	*	5	*	0	0	*	0
327212	Other Pressed and Blown Glass and Glassware	2	123	0	*	1	*	0	0	*	0
327213	Glass Containers	13	909	0	*	10	*	0	0	*	0
327215	Glass Products from Purchased Glass	3	393	0	*	1	*	0	0	*	0
327310	Cements	W	W	0	*	6	*	W	*	W	0
327410	Lime	W	W	0	*	*	*	W	*	W	0
327420	Gypsum	11	272	0	*	10	*	0	0	*	0
327993	Mineral Wool	4	528	0	*	3	*	0	0	*	0
331	Primary Metals	85	13,670	0	*	34	*	0	*	2	0
331110	Iron and Steel Mills and Ferroalloys	25	3,998	0	*	10	*	0	0	1	0
3312	Steel Products from Purchased Steel	1	145	0	*	*	*	0	0	*	0
3313	Alumina and Aluminum	28	5,902	0	*	7	*	0	0	*	0
331314	Secondary Smelting and Alloying of Aluminum	1	28	0	*	1	*	0	0	*	0
331315	Aluminum Sheet, Plate and Foils	4	362	0	*	3	*	0	0	*	0
331318	Other Aluminum Rolling, Drawing and Extruding	W	W	0	*	1	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	24	2,888	0	*	13	*	0	*	1	0
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	20	2,217	0	*	11	*	0	0	1	0

3315	Foundries	7	736	0	*	4	*	0	*	*	0
331511	Iron Foundries	2	125	0	*	1	*	0	*	*	0
331523	Nonferrous Metal Die-Casting Foundries	1	135	0	0	1	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	1	58	0	*	*	*	0	0	*	0
332	Fabricated Metal Products	37	5,040	0	*	17	*	0	0	*	0
333	Machinery	11	1,987	0	*	3	*	0	0	*	0
334	Computer and Electronic Products	73	15,701	0	*	19	*	0	0	*	0
334413	Semiconductors and Related Devices	58	12,495	0	*	15	*	0	0	*	0
335	Electrical Equip., Appliances, and Components	6	774	0	*	3	*	0	0	*	0
336	Transportation Equipment	35	5,141	0	*	16	*	0	0	*	0
336111	Automobiles	4	629	0	0	2	*	0	0	0	0
336112	Light Trucks and Utility Vehicles	*	2	0	*	*	*	0	0	*	0
3364	Aerospace Product and Parts	22	3,214	0	*	11	*	0	0	*	0
336411	Aircraft	5	724	0	*	2	*	0	0	*	0
337	Furniture and Related Products	4	735	0	0	1	*	0	0	*	0
339	Miscellaneous	8	1,558	0	*	2	*	0	0	*	0
	Total	2,066	110,013	1	3	680	4	6	*	819	5

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

(b) 'Total' is the sum of all of the listed energy sources, including 'Other,' minus the shipments of energy sources produced onsite. It is the total amount of first use of energy for all (fuel and nonfuel) purposes.

(c) 'Net Electricity' is obtained by summing purchases, transfers in, and generation from noncombustible renewable resources, minus quantities sold and transferred out. It does not include electricity inputs from onsite cogeneration or generation from combustible fuels because that energy has already been included as generating fuel (for example, coal).

(d) 'Distillate Fuel Oil' includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

(e) 'Natural Gas' includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as independent gas producers, gas brokers, marketers, and any marketing subsidiaries of utilities.

(f) Hydrocarbon Gas Liquids '(HGL)' include ethane, ethylene, propane, propylene, normal butane, butylene, ethane-propane mixtures, propane-butane mixtures, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw Natural Gas Liquids (NGL).

(g) 'Other' includes net steam (the sum of purchases, generation from renewables, and net transfers), and other energy that respondents indicated was used to produce heat and power or as feedstock/raw material inputs. See also Footnote 'i'.

(h) 'Shipments of Energy Sources Produced Onsite' are those shipments produced or transformed onsite from the nonfuel use of other energy sources. For example, at an establishment that processes coal to make coke for later use, the entire quantity of coal is counted as first use. Any onsite consumption of coke is not counted as first use because it would duplicate the coal use. If some of the coke is then sold to another establishment, then that second establishment will consider this coke to be a shipment of an offsite-produced energy source. Hence, the second establishment will count this coke as its first use, thereby resulting in double counting. In order to eliminate the double counting, the energy equivalent of the coke shipment must be subtracted from first use.

(i) Previously, the Manufacturing Energy Consumption Survey (MECS) had accounted for energy consumed in petroleum refineries by measuring their own fuel use, assuming shipments of fuel products would later be counted in the industries that use them, and assigning the heat equivalent of the nonfuel products to the petroleum refinery (for a more detailed explanation see, "Feedstock and Offsite-Produced Fuel at Petroleum Refineries"). Starting with the 2014 MECS, however, EIA began collecting asphalt and petrochemical feedstock data from establishments that use those nonfuel products. These data are included in the 'Other' column. However, other 'Miscellaneous Nonfuel Products' (i.e. lubricants, solvents, waxes, and special naphthas) from refineries, and used elsewhere throughout the manufacturing sector as energy are not collected on the MECS. An estimate of the 'Miscellaneous Nonfuel Products' used in manufacturing was derived using EIA's "U.S. Product Supplied for Crude Oil and Petroleum Products" data. The 'Miscellaneous Nonfuel Products' are shown as a separate row under the 'Subtotal' for the 'Total United States' and this row is not allocated regionally. Therefore, the sum of the regional totals will equal the United States subtotal in the previous row. Because of the changes made to the 2014 MECS, the quantity in 'Other' for the petroleum refineries in Tables 1 and 2 is now less than it would otherwise be using the previous method. Similarly, the quantities in 'Other' for Chemicals (NAICS 325 and certain subindustries) and the asphalt industries (NAICS 324121 and 324122) are now larger than they would otherwise be under the previous method. The 2014 "Feedstock and Offsite-Produced Fuel at Petroleum Refineries" data may be found on EIA's website:

https://www.eia.gov/dnav/pet/pet_cons_psup_dc_nus_mbb1_a.htm

* 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. The derived estimates presented in this table are for the first use (formerly primary consumption) of energy for heat and power and as feedstocks or raw material inputs. First use is defined as the consumption of the energy that was originally produced offsite or was produced onsite from input materials not classified as energy. Examples of the latter are hydrogen produced from the electrolysis of brine; the output of captive (onsite) mines or wells; wood chips, bark, and wood waste from wood purchased as a raw material input; and waste materials, such as wastepaper and packing materials. First use excludes quantities of energy that are produced from other energy inputs and, therefore, avoids double counting.

Sources: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2014.

Released: October 2017
 Next MECS will be fielded in 2019

RSE Table 1.1 Relative Standard Errors for Table 1.1;

Unit: Percents.

NAICS Code(a)	Subsector and Industry	Total(b) (trillion Btu)	Net Electricity(c) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(d) (million bbl)	Natural Gas(e) (billion cu ft)	HGL (excluding natural gasoline)(f) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(g) (trillion Btu)	Shipments of Energy Sources Produced Onsite(h) (trillion Btu)
Total United States											
311	Food	2.5	2.5	16.2	10.7	3.1	12.2	0.1	0.1	5.7	0.1
3112	Grain and Oilseed Milling	1.5	1.9	37.1	8.0	2.3	31.2	0.1	X	4.5	0.1
311221	Wet Corn Milling	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0	X
31131	Sugar Manufacturing	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	X
3114	Fruit and Vegetable Preserving and Specialty Food	2.1	6.0	5.5	11.6	2.0	31.3	0.1	X	22.1	X
3115	Dairy Product	2.0	2.2	0.4	26.6	2.2	20.3	0.1	X	24.0	X
3116	Animal Slaughtering and Processing	2.1	2.3	14.9	7.2	2.8	17.7	26.8	X	34.8	X
312	Beverage and Tobacco Products	3.7	7.6	0.1	18.5	4.4	10.3	0.1	X	4.4	X
3121	Beverages	4.1	8.4	X	19.8	4.9	11.0	0.1	X	4.4	X
3122	Tobacco	0.1	0.1	0.1	0.1	0.1	0.1	0.1	X	0.1	X
313	Textile Mills	16.2	13.7	48.0	55.7	17.0	10.9	43.2	X	40.1	X
314	Textile Product Mills	11.7	9.0	0.1	18.8	16.2	50.0	9.7	X	44.2	X
315	Apparel	9.1	9.3	X	68.9	12.8	56.8	X	X	0.2	X
316	Leather and Allied Products	4.7	7.4	61.8	12.4	5.4	8.8	X	X	4.0	X
321	Wood Products	9.5	11.9	0.1	9.0	3.9	8.9	0.1	X	11.0	X
321113	Sawmills	1.3	3.6	0.1	12.0	3.0	11.0	0.1	X	1.3	X
3212	Veneer, Plywood, and Engineered Woods	2.2	4.8	0.1	8.5	4.1	5.1	0.1	X	1.7	X
321219	Reconstituted Wood Products	3.5	7.1	0.1	5.5	4.6	11.1	0.1	X	2.9	X
3219	Other Wood Products	38.6	29.4	0.1	27.5	11.5	15.1	X	X	58.1	X
322	Paper	0.3	1.7	0.1	0.8	1.1	9.0	0.1	X	0.1	X
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X
322121	Paper Mills, except Newsprint	0.1	0.1	0.1	0.1	0.1	0.1	0.1	X	0.1	X
322122	Newsprint Mills	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X
323	Printing and Related Support	18.0	17.6	51.8	23.7	19.8	33.8	X	X	79.1	X
324	Petroleum and Coal Products	0.4	0.1	5.2	1.6	0.3	0.2	0.2	0.1	0.6	0.1
324110	Petroleum Refineries	0.1	0.1	0.1	0.1	0.1	0.1	0.1	X	0.1	X
324121	Asphalt Paving Mixture and Block	4.3	3.6	13.5	3.6	5.6	6.0	X	X	4.4	57.8
324122	Asphalt Shingle and Coating Materials	0.7	0.9	0.1	19.6	1.3	19.5	52.3	X	0.7	11.9
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0	0.0
325	Chemicals	1.0	1.9	0.2	3.0	0.8	0.3	3.2	0.1	4.9	0.1
325110	Petrochemicals	0.1	0.1	0.1	0.1	0.1	0.1	X	X	0.1	0.1
325120	Industrial Gases	2.7	6.9	X	37.8	0.4	48.4	X	X	0.1	0.3
325180	Other Basic Inorganic Chemicals	1.6	1.9	0.1	3.0	3.0	1.9	0.1	0.1	2.6	X
325193	Ethyl Alcohol	3.0	3.6	X	25.8	3.8	1.6	2.6	X	7.3	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X

	Total	0.5	1.2	0.7	5.0	0.7	0.3	0.7	0.4	1.0	0.1
Northeast Census Region											
311	Food	10.5	10.0	25.0	9.0	13.0	27.3	0.1	X	5.8	X
3112	Grain and Oilseed Milling	4.9	11.7	X	0.0	3.4	0.0	X	X	0.1	X
311221	Wet Corn Milling	0.0	0.0	X	0.0	0.0	X	X	X	X	X
31131	Sugar Manufacturing	0.0	0.0	X	X	0.0	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Food	3.2	6.3	16.1	4.6	3.5	29.8	0.1	X	23.8	X
3115	Dairy Product	4.7	4.5	0.0	21.7	6.5	23.1	X	X	0.1	X
3116	Animal Slaughtering and Processing	3.3	4.3	0.1	9.4	3.7	38.9	X	X	3.0	X
312	Beverage and Tobacco Products	6.9	4.4	X	3.0	9.6	11.2	X	X	80.8	X
3121	Beverages	7.3	4.5	X	3.1	10.5	11.5	X	X	80.8	X
3122	Tobacco	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
313	Textile Mills	63.3	66.8	0.0	38.2	48.1	0.5	X	X	97.0	X
314	Textile Product Mills	27.5	40.5	X	0.1	23.4	71.7	0.1	X	X	X
315	Apparel	35.3	38.6	X	98.4	53.1	98.5	X	X	X	X
316	Leather and Allied Products	7.7	6.1	78.4	11.5	11.8	44.3	X	X	0.0	X
321	Wood Products	5.3	17.7	0.1	14.2	19.8	26.0	0.1	X	5.4	X
321113	Sawmills	1.7	2.3	0.1	4.2	2.9	2.3	0.1	X	2.2	X
3212	Veneer, Plywood, and Engineered Woods	0.1	0.6	X	5.1	0.8	3.6	X	X	0.1	X
321219	Reconstituted Wood Products	0.1	0.1	X	0.1	0.1	0.1	X	X	0.1	X
3219	Other Wood Products	22.6	27.0	X	31.4	30.5	34.5	X	X	44.2	X
322	Paper	1.5	7.0	0.1	5.5	3.7	17.2	0.1	X	0.2	X
322110	Pulp Mills	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X
322122	Newsprint Mills	X	X	X	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X
323	Printing and Related Support	18.0	19.8	51.8	36.6	19.5	35.5	X	X	68.7	X
324	Petroleum and Coal Products	2.2	0.5	12.5	4.7	1.1	3.3	0.1	X	2.7	0.1
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X
324121	Asphalt Paving Mixture and Block	6.3	5.5	13.3	6.2	6.1	19.4	X	X	7.0	X
324122	Asphalt Shingle and Coating Materials	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0	X
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	0.0
325	Chemicals	3.9	11.3	61.0	31.0	6.0	1.0	81.1	X	1.7	0.1
325110	Petrochemicals	0.0	0.0	X	0.0	0.0	X	X	X	0.0	X
325120	Industrial Gases	18.0	22.5	X	0.0	9.5	0.0	X	X	0.0	0.0
325180	Other Basic Inorganic Chemicals	4.1	7.3	X	0.2	4.6	1.3	X	X	0.1	X
325193	Ethyl Alcohol	0.0	0.0	X	0.0	0.0	0.0	X	X	X	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
325199	Other Basic Organic Chemicals	2.8	5.4	X	2.8	1.4	66.1	X	X	12.1	X
325211	Plastics Materials and Resins	2.9	17.3	0.1	19.4	25.5	0.1	X	X	0.1	X
325212	Synthetic Rubber	0.0	0.0	X	0.0	0.0	0.0	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	X	X	0.0	0.0	X	X	0.0	X
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X
325312	Phosphatic Fertilizers	0.0	0.0	X	0.0	X	0.0	X	X	0.0	X
3254	Pharmaceuticals and Medicines	12.7	35.0	X	44.6	5.4	49.7	X	X	24.3	X
325412	Pharmaceutical Preparation	4.7	4.3	X	49.3	2.6	74.8	X	X	35.9	X

325992	Photographic Film, Paper, Plate, and Chemicals	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X
326	Plastics and Rubber Products	22.9	26.5	X	77.0	34.5	48.6	66.4	X	51.5	X
327	Nonmetallic Mineral Products	3.9	4.0	13.6	39.7	5.9	35.6	0.1	0.1	0.3	X
327120	Clay Building Material and Refractories	1.9	1.7	X	0.0	2.1	5.5	X	X	29.8	X
327211	Flat Glass	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0	X
327212	Other Pressed and Blown Glass and Glassware	2.8	2.6	X	0.1	3.3	1.7	X	X	14.7	X
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
327215	Glass Products from Purchased Glass	1.6	2.5	X	0.4	1.9	0.6	81.2	X	0.1	X
327310	Cements	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0	X
327420	Gypsum	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
327993	Mineral Wool	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
331	Primary Metals	1.1	1.7	0.1	1.7	2.0	6.5	0.1	0.6	0.1	0.1
331110	Iron and Steel Mills and Ferroalloys	1.6	2.2	X	0.9	3.0	2.6	0.1	0.1	2.2	0.1
3312	Steel Products from Purchased Steel	5.7	4.1	X	42.4	10.1	23.4	X	X	0.1	X
3313	Alumina and Aluminum	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
331318	Other Aluminum Rolling, Drawing and Extruding	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X
3314	Nonferrous Metals, except Aluminum	2.6	9.2	X	18.5	3.1	9.3	68.1	0.1	0.1	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	X	0.0	0.0	0.0	X	0.0	0.0	X
3315	Foundries	1.6	2.1	0.1	4.8	1.6	10.6	0.1	4.4	0.4	X
331511	Iron Foundries	1.8	2.3	X	6.7	1.9	5.9	0.0	4.4	0.6	X
331523	Nonferrous Metal Die-Casting Foundries	2.5	0.9	X	X	3.6	0.3	X	X	1.5	X
331524	Aluminum Foundries, except Die-Casting	1.1	1.1	0.1	10.2	2.1	1.0	X	X	0.2	X
332	Fabricated Metal Products	28.0	25.9	X	58.6	35.7	51.9	X	X	61.7	X
333	Machinery	21.5	21.3	X	84.9	23.8	81.5	X	X	53.6	X
334	Computer and Electronic Products	10.2	11.8	0.1	65.0	11.0	54.2	X	X	0.1	X
334413	Semiconductors and Related Devices	6.7	7.1	0.1	0.3	6.9	20.1	X	X	0.1	X
335	Electrical Equip., Appliances, and Components	21.6	18.3	X	37.0	19.9	54.2	X	0.1	83.6	X
336	Transportation Equipment	19.2	21.5	0.1	8.8	19.6	67.9	45.2	X	51.1	X
336111	Automobiles	0.0	0.0	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	3.9	5.3	0.0	0.1	2.9	7.8	X	X	15.9	X
336411	Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X
337	Furniture and Related Products	38.9	27.0	X	91.3	34.0	78.0	X	X	94.5	X
339	Miscellaneous	20.4	19.7	0.1	42.8	31.7	71.5	X	X	90.1	X
	Total	1.9	3.9	5.4	11.2	3.0	1.5	1.9	0.5	1.9	0.1

Midwest Census Region

311	Food	2.6	3.8	12.8	24.5	3.6	18.4	0.1	0.1	5.3	0.1
3112	Grain and Oilseed Milling	1.7	1.6	37.6	11.0	2.6	38.1	0.1	X	5.4	0.1
311221	Wet Corn Milling	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0	X
31131	Sugar Manufacturing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
3114	Fruit and Vegetable Preserving and Specialty Food	3.7	5.5	0.1	19.5	3.8	22.3	X	X	11.6	X
3115	Dairy Product	3.6	3.9	17.3	47.7	4.0	50.7	0.1	X	0.1	X
3116	Animal Slaughtering and Processing	3.2	3.0	0.1	21.4	3.9	22.0	X	X	32.6	X

312	Beverage and Tobacco Products	3.1	4.1	X	18.1	3.1	22.5	0.1	X	84.0	X
3121	Beverages	3.2	4.1	X	18.1	3.1	22.5	0.1	X	84.0	X
3122	Tobacco	0.0	0.0	X	0.0	0.0	X	X	X	X	X
313	Textile Mills	6.5	4.6	X	88.3	10.1	13.8	X	X	0.1	X
314	Textile Product Mills	56.2	40.5	X	87.6	66.5	56.5	X	X	87.6	X
315	Apparel	67.5	68.9	X	X	66.5	X	X	X	X	X
316	Leather and Allied Products	6.0	9.0	X	X	6.9	4.9	X	X	X	X
321	Wood Products	8.2	5.8	0.1	24.7	8.1	24.2	0.1	X	17.1	X
321113	Sawmills	2.0	3.1	0.1	21.6	4.3	7.3	X	X	0.7	X
3212	Veneer, Plywood, and Engineered Woods	2.9	1.6	X	19.5	7.8	14.2	0.0	X	2.3	X
321219	Reconstituted Wood Products	0.4	1.8	X	0.1	0.7	8.8	0.0	X	0.1	X
3219	Other Wood Products	18.6	9.7	X	57.2	15.2	33.7	X	X	50.4	X
322	Paper	1.8	4.5	0.1	3.8	3.9	25.7	0.1	X	0.1	X
322110	Pulp Mills	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
322121	Paper Mills, except Newsprint	0.1	0.1	0.1	0.1	0.1	0.1	0.1	X	0.1	X
322122	Newsprint Mills	0.0	0.0	X	X	0.0	X	X	X	0.0	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X
323	Printing and Related Support	15.7	17.5	X	36.8	17.4	18.5	X	X	97.5	X
324	Petroleum and Coal Products	0.5	0.3	30.6	3.3	0.5	0.1	0.1	0.1	0.9	0.1
324110	Petroleum Refineries	0.1	0.2	X	0.1	0.1	0.1	X	X	0.1	X
324121	Asphalt Paving Mixture and Block	5.0	5.2	31.2	11.0	3.8	16.6	X	X	5.5	X
324122	Asphalt Shingle and Coating Materials	0.8	2.3	0.1	0.1	3.3	10.4	X	X	0.6	X
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0	0.0
325	Chemicals	4.3	3.2	0.1	12.9	3.1	4.6	6.3	X	35.4	0.3
325110	Petrochemicals	5.9	37.4	X	X	0.1	85.4	X	X	X	X
325120	Industrial Gases	5.1	6.1	X	13.9	0.7	39.9	X	X	10.4	0.1
325180	Other Basic Inorganic Chemicals	7.4	1.4	0.1	22.4	14.0	12.5	X	X	0.1	X
325193	Ethyl Alcohol	3.2	3.7	X	26.5	4.1	10.0	2.6	X	7.8	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
325199	Other Basic Organic Chemicals	29.3	4.0	X	5.6	1.8	0.1	25.7	X	62.3	X
325211	Plastics Materials and Resins	4.5	10.0	0.1	1.4	6.1	0.1	40.5	X	1.2	0.1
325212	Synthetic Rubber	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	X	X	0.0	0.0	X	X	X	X
325311	Nitrogenous Fertilizers	0.2	1.1	X	41.7	0.2	79.1	X	X	0.1	0.0
325312	Phosphatic Fertilizers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
3254	Pharmaceuticals and Medicines	1.6	1.4	X	0.7	3.0	2.5	0.1	X	0.1	X
325412	Pharmaceutical Preparation	1.6	1.3	X	0.8	3.3	0.1	0.1	X	0.2	X
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	0.0	X	X	0.0	0.0	X	X	0.0	X
326	Plastics and Rubber Products	14.5	13.8	X	78.5	21.8	23.2	X	X	65.1	X
327	Nonmetallic Mineral Products	3.1	5.2	57.4	14.8	6.6	24.6	0.1	0.1	3.0	X
327120	Clay Building Material and Refractories	4.0	3.4	X	6.0	4.4	4.6	20.0	X	27.0	X
327211	Flat Glass	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
327212	Other Pressed and Blown Glass and Glassware	0.3	0.7	X	0.1	0.3	0.1	X	X	0.1	X
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
327215	Glass Products from Purchased Glass	0.8	1.0	X	3.7	0.9	31.3	X	X	0.0	X
327310	Cements	0.3	1.7	X	4.4	0.2	0.1	0.0	0.0	0.1	X
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0	X

327420	Gypsum	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
327993	Mineral Wool	2.9	1.2	57.4	32.5	2.2	11.2	X	0.1	41.9	X
331	Primary Metals	0.7	2.5	0.1	1.1	0.6	2.3	0.1	0.5	0.2	0.1
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	23.5	46.4	X	16.6	10.1	17.2	91.8	X	26.7	X
3313	Alumina and Aluminum	0.2	0.1	X	0.1	0.3	3.5	X	X	0.1	X
331314	Secondary Smelting and Alloying of Aluminum	0.1	0.1	X	0.1	0.1	0.1	X	X	0.1	X
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
331318	Other Aluminum Rolling, Drawing and Extruding	1.7	1.5	X	1.4	1.9	9.0	X	X	40.4	X
3314	Nonferrous Metals, except Aluminum	6.4	2.3	X	9.1	12.8	1.0	X	22.8	0.4	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	X	0.0	0.0	0.0	X	0.0	0.0	X
3315	Foundries	2.2	2.2	0.1	11.8	3.0	6.6	0.1	8.4	1.2	X
331511	Iron Foundries	3.0	3.5	0.0	3.5	2.0	4.5	0.1	8.4	0.8	X
331523	Nonferrous Metal Die-Casting Foundries	1.7	1.7	X	4.3	2.0	14.9	X	X	14.9	X
331524	Aluminum Foundries, except Die-Casting	15.4	6.8	X	86.5	17.4	11.3	X	X	11.6	X
332	Fabricated Metal Products	13.5	11.6	X	41.9	16.3	30.1	0.1	X	52.4	X
333	Machinery	13.6	13.1	90.0	41.1	16.0	24.7	87.6	X	37.3	X
334	Computer and Electronic Products	33.1	25.4	X	77.0	50.9	62.5	X	X	87.3	X
334413	Semiconductors and Related Devices	0.1	0.1	X	0.1	0.1	0.1	X	X	0.1	X
335	Electrical Equip., Appliances, and Components	20.9	24.5	X	68.4	22.9	93.9	X	X	82.2	X
336	Transportation Equipment	8.0	9.3	0.1	49.3	8.3	29.5	0.1	17.2	10.9	X
336111	Automobiles	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0	X
336112	Light Trucks and Utility Vehicles	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0	X
3364	Aerospace Product and Parts	1.9	2.5	0.1	0.1	3.0	2.8	X	X	0.2	X
336411	Aircraft	1.9	1.9	X	0.0	2.2	12.5	X	X	12.4	X
337	Furniture and Related Products	17.7	16.8	X	2.1	21.8	44.1	0.1	X	53.7	X
339	Miscellaneous	19.1	18.8	X	63.0	29.0	48.0	X	X	98.4	X
	Total	1.4	2.0	2.1	9.6	1.7	3.8	1.3	0.4	4.8	0.1

South Census Region

311	Food	6.8	5.9	13.8	12.4	9.2	14.3	0.1	X	7.3	X
3112	Grain and Oilseed Milling	4.0	6.5	55.7	16.9	6.8	11.9	0.1	X	8.0	X
311221	Wet Corn Milling	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0	X
31131	Sugar Manufacturing	0.1	0.1	0.1	0.1	0.1	0.1	X	X	0.1	X
3114	Fruit and Vegetable Preserving and Specialty Food	6.8	20.9	0.1	11.0	4.3	26.5	X	X	0.1	X
3115	Dairy Product	4.0	5.0	X	14.6	4.4	7.2	X	X	0.5	X
3116	Animal Slaughtering and Processing	3.5	4.1	16.3	9.3	4.9	11.5	X	X	70.7	X
312	Beverage and Tobacco Products	5.2	3.4	0.1	39.8	8.3	21.1	0.1	X	9.8	X
3121	Beverages	6.5	4.5	X	48.8	10.4	25.6	0.1	X	9.8	X
3122	Tobacco	0.1	0.1	0.1	0.1	0.1	0.1	0.1	X	0.0	X
313	Textile Mills	11.1	11.7	67.5	59.4	16.7	31.9	43.2	X	1.7	X
314	Textile Product Mills	11.1	10.8	0.1	19.5	14.7	53.4	11.0	X	44.2	X
315	Apparel	10.7	10.7	X	90.1	14.3	69.1	X	X	0.2	X
316	Leather and Allied Products	13.5	19.1	89.5	46.8	13.2	9.8	X	X	1.7	X
321	Wood Products	17.5	19.7	0.1	15.3	6.3	11.8	X	X	20.1	X
321113	Sawmills	2.1	5.5	X	24.2	11.0	34.5	X	X	2.1	X
3212	Veneer, Plywood, and Engineered Woods	4.3	7.5	0.1	13.1	6.5	8.6	X	X	3.6	X

321219	Reconstituted Wood Products	6.5	10.3	0.1	10.8	6.9	15.9	X	X	6.3	X
3219	Other Wood Products	67.0	51.5	0.1	61.1	30.1	23.8	X	X	81.3	X
322	Paper	0.4	3.1	0.1	0.3	1.4	11.1	0.1	X	0.1	X
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X
322122	Newsprint Mills	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X
323	Printing and Related Support	38.7	36.4	X	31.4	44.5	51.1	X	X	83.3	X
324	Petroleum and Coal Products	0.7	0.1	6.8	2.1	0.4	0.7	0.6	0.1	0.9	0.1
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X
324121	Asphalt Paving Mixture and Block	8.7	8.0	7.7	5.0	12.1	3.3	X	X	8.8	57.8
324122	Asphalt Shingle and Coating Materials	1.3	1.1	X	2.2	1.0	35.8	75.1	X	1.3	11.9
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0	0.0
325	Chemicals	0.8	2.5	0.1	2.1	0.6	0.3	0.1	X	3.8	0.1
325110	Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0	0.0
325120	Industrial Gases	3.0	12.6	X	52.8	0.4	0.1	X	X	0.1	0.1
325180	Other Basic Inorganic Chemicals	2.2	2.7	0.1	11.2	3.5	1.9	0.8	X	3.8	X
325193	Ethyl Alcohol	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
325199	Other Basic Organic Chemicals	1.0	5.1	0.1	1.0	1.2	1.1	0.1	X	1.9	0.1
325211	Plastics Materials and Resins	0.3	3.6	43.5	5.9	0.4	0.2	1.9	X	0.5	0.1
325212	Synthetic Rubber	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X
325311	Nitrogenous Fertilizers	1.9	8.5	X	0.1	1.8	X	X	X	0.0	X
325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X
3254	Pharmaceuticals and Medicines	1.5	2.1	X	1.0	1.6	29.9	X	X	0.1	X
325412	Pharmaceutical Preparation	1.9	3.0	X	1.1	2.1	15.5	X	X	0.1	X
325992	Photographic Film, Paper, Plate, and Chemicals	6.4	2.1	X	0.1	10.2	49.3	X	X	0.0	X
326	Plastics and Rubber Products	13.5	13.3	X	79.4	19.7	26.0	97.5	X	60.9	X
327	Nonmetallic Mineral Products	4.6	7.3	6.1	27.2	7.7	25.9	2.1	33.8	1.2	X
327120	Clay Building Material and Refractories	4.5	2.9	59.3	11.6	5.3	11.5	0.1	X	0.3	X
327211	Flat Glass	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
327212	Other Pressed and Blown Glass and Glassware	1.3	1.5	X	0.1	1.3	0.1	X	X	0.1	X
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
327215	Glass Products from Purchased Glass	16.8	2.4	79.8	5.8	30.8	18.8	X	X	7.4	X
327310	Cements	1.6	1.7	0.1	1.7	5.1	5.4	1.2	38.2	1.6	X
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0	X
327420	Gypsum	0.3	3.2	X	0.1	0.1	2.6	X	X	0.1	X
327993	Mineral Wool	0.5	0.7	X	0.1	0.6	3.0	X	0.0	0.4	X
331	Primary Metals	0.9	1.8	0.1	1.5	1.1	7.5	0.1	0.3	5.6	0.1
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3312	Steel Products from Purchased Steel	4.5	1.8	X	7.0	2.2	28.7	0.1	X	23.3	X
3313	Alumina and Aluminum	0.5	0.3	0.1	0.1	0.7	1.6	X	X	0.1	0.1
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
331315	Aluminum Sheet, Plate and Foils	2.0	2.3	X	0.1	2.0	11.5	X	X	0.1	0.1
331318	Other Aluminum Rolling, Drawing and Extruding	1.9	1.4	0.1	0.1	2.6	2.9	X	X	3.2	X
3314	Nonferrous Metals, except Aluminum	2.4	5.1	X	0.6	1.2	24.9	0.1	0.1	0.6	X

331410	Nonferrous Metal (except Aluminum) Smelting and Refining	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0	X
3315	Foundries	12.9	23.0	X	2.5	16.1	10.1	0.1	2.6	5.0	0.1
331511	Iron Foundries	1.6	2.2	X	2.5	1.5	15.4	0.0	2.6	9.1	0.0
331523	Nonferrous Metal Die-Casting Foundries	0.9	1.0	X	1.6	1.0	19.4	X	X	0.1	X
331524	Aluminum Foundries, except Die-Casting	1.9	1.6	X	0.1	2.4	8.0	X	X	16.4	X
332	Fabricated Metal Products	18.5	18.3	X	53.9	24.6	29.2	X	X	91.4	X
333	Machinery	21.5	20.0	99.0	42.6	31.7	31.8	X	X	85.9	X
334	Computer and Electronic Products	7.7	8.2	X	15.5	9.7	54.9	X	X	14.1	X
334413	Semiconductors and Related Devices	1.4	1.9	X	4.1	0.1	0.2	X	X	0.0	X
335	Electrical Equip., Appliances, and Components	12.3	13.4	X	32.1	15.8	29.3	X	X	39.3	X
336	Transportation Equipment	9.7	10.2	0.1	57.5	11.9	22.5	X	X	24.7	X
336111	Automobiles	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
336112	Light Trucks and Utility Vehicles	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
3364	Aerospace Product and Parts	20.6	19.6	X	88.8	19.8	22.5	X	X	35.9	X
336411	Aircraft	37.2	35.5	X	90.0	29.2	4.9	X	X	69.1	X
337	Furniture and Related Products	13.6	14.2	X	35.7	20.0	32.3	77.3	X	34.1	X
339	Miscellaneous	38.4	20.5	X	68.5	55.6	80.9	X	X	78.2	X
	Total	0.7	2.0	0.3	7.8	0.8	0.3	0.8	2.1	1.3	0.1

West Census Region

311	Food	4.2	5.4	X	22.2	5.4	25.5	0.3	0.1	10.9	X
3112	Grain and Oilseed Milling	2.5	3.0	X	14.9	3.1	10.8	X	X	35.9	X
311221	Wet Corn Milling	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
31131	Sugar Manufacturing	0.1	0.1	X	0.1	0.1	0.1	0.1	0.1	0.1	X
3114	Fruit and Vegetable Preserving and Specialty Food	2.8	5.6	X	16.6	3.0	53.1	X	X	30.8	X
3115	Dairy Product	3.3	4.2	X	40.4	3.3	2.8	X	X	72.9	X
3116	Animal Slaughtering and Processing	4.3	3.1	X	26.5	4.2	58.7	26.8	X	0.2	X
312	Beverage and Tobacco Products	10.3	24.1	X	25.7	7.8	17.4	0.1	X	1.7	X
3121	Beverages	10.3	24.1	X	25.7	7.8	17.4	0.1	X	1.7	X
3122	Tobacco	X	X	X	X	X	X	X	X	X	X
313	Textile Mills	12.8	11.5	X	X	17.1	14.6	X	X	0.1	X
314	Textile Product Mills	58.2	34.1	X	X	67.5	76.7	X	X	X	X
315	Apparel	23.0	31.7	X	X	15.8	94.4	X	X	X	X
316	Leather and Allied Products	7.3	7.5	X	53.6	11.6	35.7	X	X	53.6	X
321	Wood Products	1.9	3.2	X	5.1	5.0	16.6	X	X	1.8	X
321113	Sawmills	1.4	4.6	X	3.3	1.5	15.1	X	X	1.5	X
3212	Veneer, Plywood, and Engineered Woods	1.3	1.4	X	7.1	2.5	2.8	X	X	1.9	X
321219	Reconstituted Wood Products	0.4	0.5	X	0.1	1.0	7.4	X	X	0.1	X
3219	Other Wood Products	14.8	12.6	X	25.8	25.9	32.4	X	X	28.1	X
322	Paper	2.0	4.6	0.1	0.1	4.6	20.1	0.1	X	0.1	X
322110	Pulp Mills	0.0	0.0	0.0	0.0	X	0.0	X	X	0.0	X
322121	Paper Mills, except Newsprint	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
322122	Newsprint Mills	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X
323	Printing and Related Support	27.5	23.5	X	81.8	39.4	41.0	X	X	96.0	X
324	Petroleum and Coal Products	0.8	0.3	6.6	3.5	0.6	0.1	0.1	X	1.1	0.1
324110	Petroleum Refineries	0.2	0.3	0.1	0.1	0.5	0.1	X	X	0.1	X

324121	Asphalt Paving Mixture and Block	8.9	5.4	55.0	10.6	9.1	4.0	X	X	9.6	X
324122	Asphalt Shingle and Coating Materials	0.2	1.1	X	64.8	3.0	1.4	X	X	0.1	X
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0	0.0
325	Chemicals	2.6	3.2	X	0.3	5.2	16.3	0.1	0.1	1.9	79.6
325110	Petrochemicals	0.0	0.0	X	X	0.0	X	X	X	X	X
325120	Industrial Gases	2.7	3.1	X	87.1	0.1	60.7	X	X	82.6	79.6
325180	Other Basic Inorganic Chemicals	1.4	3.5	X	0.2	3.7	11.5	0.1	0.1	3.0	X
325193	Ethyl Alcohol	20.8	32.2	X	0.1	20.5	0.1	X	X	0.0	X
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	X	X	0.0	0.0	X	X	0.0	X
325199	Other Basic Organic Chemicals	1.5	3.6	X	5.2	1.2	0.9	X	X	1.4	X
325211	Plastics Materials and Resins	28.4	1.4	X	13.8	39.8	7.6	X	X	0.0	X
325212	Synthetic Rubber	0.0	0.0	X	X	0.0	0.0	X	X	X	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	X	X	0.0	0.0	X	X	0.0	X
325311	Nitrogenous Fertilizers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
325312	Phosphatic Fertilizers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
3254	Pharmaceuticals and Medicines	3.9	5.7	X	1.5	4.5	6.8	X	X	25.2	X
325412	Pharmaceutical Preparation	4.9	9.5	X	0.1	3.4	7.8	X	X	0.1	X
325992	Photographic Film, Paper, Plate, and Chemicals	0.3	0.8	X	0.1	0.2	0.1	X	X	0.1	X
326	Plastics and Rubber Products	39.1	45.7	X	99.0	39.4	52.6	X	X	98.8	X
327	Nonmetallic Mineral Products	3.5	3.4	X	36.5	8.5	17.3	0.1	0.1	0.2	X
327120	Clay Building Material and Refractories	1.2	4.1	X	0.1	1.2	2.4	X	X	6.1	X
327211	Flat Glass	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
327212	Other Pressed and Blown Glass and Glassware	1.6	1.4	X	5.4	2.0	6.3	X	X	0.0	X
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
327215	Glass Products from Purchased Glass	6.9	13.0	X	0.0	1.6	5.4	X	X	2.1	X
327310	Cements	0.3	0.3	X	20.9	0.0	0.0	0.0	0.0	0.0	X
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0	X
327420	Gypsum	0.4	4.2	X	0.1	0.1	0.1	X	X	0.1	X
327993	Mineral Wool	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
331	Primary Metals	0.4	0.4	X	0.1	0.5	5.1	X	0.1	0.2	X
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
3312	Steel Products from Purchased Steel	1.1	1.9	X	0.1	0.4	5.5	X	X	0.1	X
3313	Alumina and Aluminum	0.1	0.1	X	0.1	0.1	2.3	X	X	1.0	X
331314	Secondary Smelting and Alloying of Aluminum	0.1	0.1	X	0.1	0.1	0.1	X	X	0.1	X
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
331318	Other Aluminum Rolling, Drawing and Extruding	1.0	2.5	X	0.0	0.6	3.0	X	X	30.1	X
3314	Nonferrous Metals, except Aluminum	1.4	1.9	X	0.3	1.1	12.8	X	0.1	0.5	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	1.7	2.5	X	0.1	1.3	24.5	X	X	0.0	X
3315	Foundries	1.6	1.8	X	0.1	2.1	9.2	X	0.1	0.2	X
331511	Iron Foundries	0.0	0.0	X	0.0	0.0	0.0	X	0.0	0.0	X
331523	Nonferrous Metal Die-Casting Foundries	2.9	2.4	X	X	3.7	6.7	X	X	31.8	X
331524	Aluminum Foundries, except Die-Casting	2.6	3.3	X	0.1	2.9	1.0	X	X	0.1	X
332	Fabricated Metal Products	28.8	25.5	X	70.1	43.5	56.1	X	X	76.2	X
333	Machinery	25.7	22.9	X	97.5	49.8	67.5	X	X	96.7	X
334	Computer and Electronic Products	3.8	3.8	X	11.4	5.5	52.5	X	X	6.6	X
334413	Semiconductors and Related Devices	1.4	1.5	X	1.5	1.4	0.1	X	X	0.1	X
335	Electrical Equip., Appliances, and Components	30.2	29.1	X	39.1	37.9	40.4	X	X	38.4	X

336	Transportation Equipment	9.2	10.3	X	11.0	11.9	31.2	X	X	35.2	X
336111	Automobiles	0.0	0.0	X	X	0.0	0.0	X	X	X	X
336112	Light Trucks and Utility Vehicles	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0	X
3364	Aerospace Product and Parts	6.6	4.1	X	6.4	9.9	40.9	X	X	37.9	X
336411	Aircraft	5.4	5.1	X	13.8	5.4	5.0	X	X	60.4	X
337	Furniture and Related Products	23.6	26.8	X	X	34.5	30.2	X	X	99.0	X
339	Miscellaneous	19.1	19.2	X	58.6	23.3	48.7	X	X	95.8	X
	Total	1.2	4.4	4.5	13.3	1.9	6.7	0.1	0.1	0.8	0.6

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

(b) 'Total' is the sum of all of the listed energy sources, including 'Other,' minus the shipments of energy sources produced onsite. It is the total amount of first use of energy for all (fuel and nonfuel) purposes.

(c) 'Net Electricity' is obtained by summing purchases, transfers in, and generation from noncombustible renewable resources, minus quantities sold and transferred out. It does not include electricity inputs from onsite cogeneration or generation from combustible fuels because that energy has already been included as generating fuel (for example, coal).

(d) 'Distillate Fuel Oil' includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

(e) 'Natural Gas' includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as independent gas producers, gas brokers, marketers, and any marketing subsidiaries of utilities.

(f) Hydrocarbon Gas Liquids '(HGL)' include ethane, ethylene, propane, propylene, normal butane, butylene, ethane-propane mixtures, propane-butane mixtures, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw Natural Gas Liquids (NGL).

(g) 'Other' includes net steam (the sum of purchases, generation from renewables, and net transfers), and other energy that respondents indicated was used to produce heat and power or as feedstock/raw material inputs. See also Footnote 'i'.

(h) 'Shipments of Energy Sources Produced Onsite' are those shipments produced or transformed onsite from the nonfuel use of other energy sources. For example, at an establishment that processes coal to make coke for later use, the entire quantity of coal is counted as first use. Any onsite consumption of coke is not counted as first use because it would duplicate the coal use. If some of the coke is then sold to another establishment, then that second establishment will consider this coke to be a shipment of an offsite-produced energy source. Hence, the second establishment will count this coke as its first use, thereby resulting in double counting. In order to eliminate the double counting, the energy equivalent of the coke shipment must be subtracted from first use.

(i) Previously, the Manufacturing Energy Consumption Survey (MECS) had accounted for energy consumed in petroleum refineries by measuring their own fuel use, assuming shipments of fuel products would later be counted in the industries that use them, and assigning the heat equivalent of the nonfuel products to the petroleum refinery (for a more detailed explanation see, "Feedstock and Offsite-Produced Fuel at Petroleum Refineries"). Starting with the 2014 MECS, however, EIA began collecting asphalt and petrochemical feedstock data from establishments that use those nonfuel products. These data are included in the 'Other' column. However, other 'Miscellaneous Nonfuel Products' (i.e. lubricants, solvents, waxes, and special naphthas) from refineries, and used elsewhere throughout the manufacturing sector as energy are not collected on the MECS. An estimate of the 'Miscellaneous Nonfuel Products' used in manufacturing was derived using EIA's "U.S. Product Supplied for Crude Oil and Petroleum Products" data. The 'Miscellaneous Nonfuel Products' are shown as a separate row under the 'Subtotal' for the 'Total United States' and this row is not allocated regionally. Therefore, the sum of the regional totals will equal the United States subtotal in the previous row. Because of the changes made to the 2014 MECS, the quantity in 'Other' for the petroleum refineries in Tables 1 and 2 is now less than it would otherwise be using the previous method. Similarly, the quantities in 'Other' for Chemicals (NAICS 325 and certain subindustries) and the asphalt industries (NAICS 324121 and 324122) are now larger than they would otherwise be under the previous method. The 2014 "Feedstock and Offsite-Produced Fuel at Petroleum Refineries" data may be found on EIA's website:

https://www.eia.gov/dnav/pet/pet_cons_psup_dc_nus_mbb1_a.htm

* 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. The derived estimates presented in this table are for the first use (formerly primary consumption) of energy for heat and power and as feedstocks or raw material inputs. First use is defined as the consumption of the energy that was originally produced offsite or was produced onsite from input materials not classified as energy. Examples of the latter are hydrogen produced from the electrolysis of brine; the output of captive (onsite) mines or wells; wood chips, bark, and wood waste from wood purchased as a raw material input; and waste materials, such as wastepaper and packing materials. First use excludes quantities of energy that are produced from other energy inputs and, therefore, avoids double counting.

Sources: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2014.