Released: March 2013

Next MECS will be fielded in 2015

Table 1.1 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

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)	LPG and NGL(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	1,162	75,407	2	4	567	2	8	*	96	*
3112	Grain and Oilseed Milling	355	16,479	*	*	119	Q	6	0	47	*
311221	Wet Corn Milling	215	7,467	*	*	51	*	5	0	26	0
31131	Sugar Manufacturing	107	1,218	*	*	15	*	2	*	36	0
3114	Fruit and Vegetable Preserving and Specialty Foods	143	9,203	*	Q	97	*	*	0	4	0
3115	Dairy Products	105	9,565	*	*	65	*	*	0	1	0
3116	Animal Slaughtering and Processing	209	20,138	1	1	122	*	*	0	3	0
312	Beverage and Tobacco Products	85	8,449	*	*	37	*	*	0	5	0
3121	Beverages	76	7,472	*	*	33	*	*	0	5	0
3122	Tobacco	10	977	*	*	4	*	*	0	*	0
313	Textile Mills	95	13,240	*	*	31	*	*	0	7	0
314	Textile Product Mills	20	2,458	*	*	9	*	*	0	*	0
315	Apparel	6	1,069	0	*	2	*	0	0	*	0
316	Leather and Allied Products	2	243	*	*	1	*	0	0	*	0
321	Wood Products	473	15,323	*	4	34	1	*	0	357	0
321113	Sawmills	232	4,463	*	Q	5	*	0	0	195	0
3212	Veneer, Plywood, and Engineered Woods	183	6,374	*	*	19	*	*	0	138	0
321219	Reconstituted Wood Products	83	4,052	*	*	14	*	*	0	52	0
3219	Other Wood Products	48	4,162	*	1	8	*	*	0	20	0
322	Paper	2,109	60,497	6	1	390	1	9	*	1,250	0
322110	Pulp Mills	249	2,032	1	*	19	*	*	0	214	0
322121	Paper Mills, except Newsprint	821	18,146	2	*	167	*	5	0	457	0
322122	Newsprint Mills	101	11,180	*	*	3	*	1	0	35	0
322130	Paperboard Mills	825	17,219	2	*	141	*	3	*	540	0
323	Printing and Related Support	84	13,704	*	*	33	*	0	0	*	0
324	Petroleum and Coal Products	6,137	47,014	3	4	892	7	6	2	4,946	121
324110	Petroleum Refineries	5,922	44,882	2	2	835	7	*	0	4,859	0
324121	Asphalt Paving Mixture and Block	70	1,068	1	2	38	*	*	0	9	0
324199	Other Petroleum and Coal Products	123	-82	*	*	5	*	5	2	77	121
325	Chemicals	4,995	131,932	15	1	2,192	569	10	*	498	527
325110	Petrochemicals	860	6,543	W	*	W	231	0	0	155	385
325120	Industrial Gases	W	19,401	0	*	122	*	0	0	3	W
325181	Alkalies and Chlorine	W	9,405	0	*	W	*	2	0	17	0
325182	Carbon Black	88	234	W	*	W	*	0	0	*	0
325188	Other Basic Inorganic Chemicals	239	24,730	*	*	62	*	1	*	66	*
325192	Cyclic Crudes and Intermediates	98	2,673	*	*	22	W	0	0	W	*
325193	Ethyl Alcohol	310	7,392	0	*	246	*	1	0	6	0
325199	Other Basic Organic Chemicals	1,151	9,608	*	*	459	133	3	0	128	36
325211	Plastics Materials and Resins	W	19,606	*	*	310	190	1	*	35	W
325212	Synthetic Rubber	41	1,645	0	*	21	*	*	0	8	0
325222	Noncellulosic Organic Fibers	42	2,791	*	*	15	*	*	0	W	W
325311	Nitrogenous Fertilizers	W	3,388	*	*	344	*	0	0	3	W
325312	Phosphatic Fertilizers	W	1,251	*	*	W	*	*	0	*	0
3254	Pharmaceuticals and Medicines	92	9,170	*	*	48	*	*	0	7	0
325412	Pharmaceutical Preparation	51	5,619	*	*	23	*	*	0	4	0
325992	Photographic Film, Paper, Plate, and Chemicals	20	1,377	*	*	6	*	*	0	*	0
326	Plastics and Rubber Products	275	45,797	*	*	101	1	*	0	Q	0
327	Nonmetallic Mineral Products	716	32,576	*	4	266	1	10	*	80	0
327121	Brick and Structural Clay Tile	21	576	*	*	16	*	*	0	1	0
327211	Flat Glass	54	1,660	0	*	42	*	*	0	5	0
327212	Other Pressed and Blown Glass and Glassware	37	2,563	0	*	27	*	0	0	Q	0
327213	Glass Containers	59	3,604	0	*	45	*	0	0	*	0
327215	Glass Products from Purchased Glass	14	2,642	0	*	5	*	*	0	*	0
327310	Cements	246	9,205	*	*	12	*	6	*	60	0
327410	Lime	101	1,502	*	1	3	*	3	*	9	0
327420	Gypsum	44	1,384	*	*	38	*	0	0	*	0
327993	Mineral Wool	39	3,419	0	*	24	*	0	*	*	0
331	Primary Metals	1,608	117,284	*	2	550	1	16	13	92	133
331111	Iron and Steel Mills	1,065	50,360	*	1	335	*	16	12	35	133
331112	Electrometallurgical Ferroalloy Products	21	3,158	0	*	1	*	*	*	1	0
3312	Steel Products from Purchased Steel	48	5,270	*	*	19	*	*	*	10	0
3313	Alumina and Aluminum	237	34,041	*	*	99	*	0	0	16	*
331314	Secondary Smelting and Alloying of Aluminum	24	2,638	*	*	14	*	0	0	*	0
331315	Aluminum Sheet, Plate and Foils	56	4,134	0	*	39	*	0	0	2	*

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Table 1.1 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

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)	LPG and NGL(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)
331316	Aluminum Extruded Products	17	1,411	0	*	12	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	137	13,301	*	*	50	*	*	*	29	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	62	7,341	0	*	12	*	*	*	21	0
3315	Foundries	100	11,154	*	*	45	*	*	1	*	*
331511	Iron Foundries	48	5,675	0	*	14	*	*	1	*	*
331521	Aluminum Die-Casting Foundries	16	1,285	0	*	11	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	11	857	*	*	8	*	0	0	*	0
332	Fabricated Metal Products	302	37,206	*	*	159	1	*	*	Q	0
333	Machinery	149	20,386	*	1	70	1	0	0	1	0
334	Computer and Electronic Products	145	29,503	*	*	41	*	0	0	1	0
334413	Semiconductors and Related Devices	58	10,808	*	*	19	*	0	0	1	0
335	Electrical Equip., Appliances, and Components	94	10,689	*	*	35	*	*	*	Q	Q
336	Transportation Equipment	279	38,832	*	*	125	1	*	0	6	0
336111	Automobiles	28	3,027	0	*	15	*	*	0	1	0
336112	Light Trucks and Utility Vehicles	38	3,620	0	*	22	*	*	0	1	0
3364	Aerospace Product and Parts	69	9,501	*	*	30	*	*	0	3	0
336411	Aircraft	19	2,630	*	*	9	*	0	0	*	0
337	Furniture and Related Products	37	4,960	0	*	13	*	*	0	5	0
339	Miscellaneous	43	7,598	*	*	16	*	*	0	*	0
	Total	18,817	714,166	27	23	5,564	587	60	15	7,381	788
	Northeast Census Region										
311	Food	89	7,147	1	1	54	*	*	0	1	0
3112	Grain and Oilseed Milling	3	434	*	*	2	*	0	0	*	0
311221	Wet Corn Milling	*	5	*	0	0	*	0	0	0	0
31131	Sugar Manufacturing	1	211	0	*	*	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	13	972	*	*	7	*	*	0	*	0
3115	Dairy Products	14	1,172	*	*	8	*	0	0	*	0
3116	Animal Slaughtering and Processing	8	857	*	*	4	*	0	0	*	0
312	Beverage and Tobacco Products	11	1,247	*	*	6	*	0	0	Q	0
3121	Beverages	11	1,217	*	*	5	*	0	0	Q	0
3122	Tobacco	1	30	*	*	*	*	0	0	*	0
313	Textile Mills	8	550	*	*	5	*	0	0	*	0
314	Textile Product Mills	Q	Q	0	*	Q	*	*	0	*	0
315	Apparel	*	Q	0	0	*	0	0	0	0	0
316	Leather and Allied Products	*	50	*	*	*	*	0	0	*	0
321	Wood Products	87	1,010	*	*	2	*	*	0	80	0
321113	Sawmills	5	332	*	*	*	*	0	0	3	0
3212	Veneer, Plywood, and Engineered Woods	75	240	0	*	*	*	*	0	74	0
321219	Reconstituted Wood Products	18	161	0	*	*	*	0	0	17	0
3219	Other Wood Products	5	486	*	*	1	*	*	0	2	0
322	Paper	247	4,907	2	*	69	*	1	0	127	0
322110	Pulp Mills	W	432	*	*	1	*	0	0	W	0
322121	Paper Mills, except Newsprint	165	543	1	*	50	*	1	0	86	0
322122	Newsprint Mills	W	880	*	*	0	*	0	0	W	0
322130	Paperboard Mills	25	1,486	*	*	11	*	0	0	7	0
323	Printing and Related Support	16	2,447	*	*	6	*	0	0	*	0
324	Petroleum and Coal Products	445	4,413	1	2	41	3	*	*	358	3
324110	Petroleum Refineries	422	4,032	1	1	30	3	*	0	355	0
324121	Asphalt Paving Mixture and Block	19	257	*	1	9	*	0	0	2	0
324199	Other Petroleum and Coal Products	2	35	0	*	1	*	*	*	*	3
325	Chemicals	154	12,122	*	*	69	2	1	*	14	2
325110	Petrochemicals	*	17	0	*	*	0	0	0	0	0
325120	Industrial Gases	10	2,592	0	*	*	*	0	0	2	1
325181	Alkalies and Chlorine	8	1,468	0	*	*	*	0	0	2	0
325182	Carbon Black	*	5	0	0	*	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	8	838	*	*	4	*	0	0	*	0
325192	Cyclic Crudes and Intermediates	6	160	*	*	5	*	0	0	*	*
325193	Ethyl Alcohol	2	69	0	*	2	*	0	0	0	0
325199	Other Basic Organic Chemicals	22	667	0	*	13	W	0	0	W	0
325211	Plastics Materials and Resins	16	1,023	0	*	5	W	0	0	W	1
325212	Synthetic Rubber	*	40	0	0	*	*	0	0	0	0
325222	Noncellulosic Organic Fibers	*	26	0	*	0	*	0	0	*	0
325311	Nitrogenous Fertilizers	1	26	*	*	*	*	0	0	*	0
325312	Phosphatic Fertilizers	*	1	0	*	*	*	0	0	*	0

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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)	LPG and NGL(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)
3254	Pharmaceuticals and Medicines	31	2,450	*	*	21	*	0	0	1	0
325412	Pharmaceutical Preparation	13	1,188	*	*	9	*	0	0	*	0
325992	Photographic Film, Paper, Plate, and Chemicals	16	873	*	*	4	*	*	0	*	0
326	Plastics and Rubber Products	21	2,679	0	*	8	*	*	0	*	0
327	Nonmetallic Mineral Products	92	4,133	*	1	37	*	1	*	11	0
327121	Brick and Structural Clay Tile	2	44	0	*	1	*	*	0	*	0
327211	Flat Glass	14	315	0	*	8	*	*	0	5	0
327212	Other Pressed and Blown Glass and Glassware	8	565	0	*	6	*	0	0	*	0
327213	Glass Containers	10	587	0	*	8	*	0	0	*	0
327215	Glass Products from Purchased Glass	3	394	0	*	1	*	*	0	*	0
327310	Cements	28	1,016	*	*	*	*	1	*	5	0
327410	Lime	5	69	0	*	0	*	*	0	1	0
327420	Gypsum	7	432	*	*	5	*	0	0	*	0
327993	Mineral Wool	4	226	0	*	3	*	0	0	*	0
331	Primary Metals	179	12,979	*	*	66	*	5	*	14	66
331111	Iron and Steel Mills	110	5,795	0	*	36	*	5	*	5	66
331112	Electrometallurgical Ferroalloy Products	3	537	0	*	*	*	*	*	*	0
3312	Steel Products from Purchased Steel	10	800	*	*	4	*	0	*	3	0
3313	Alumina and Aluminum	20	2,992	*	*	9	*	0	0	1	0
331314	Secondary Smelting and Alloying of Aluminum	9	2,110	*	*	2	*	0	0	*	0
331315	Aluminum Sheet, Plate and Foils	7	463	0	*	5	*	0	0	*	0
331316	Aluminum Extruded Products	4	394	0	*	2	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	27	1,883	*	*	12	*	*	*	6	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	1	149	0	*	*	*	*	0	*	0
3315	Foundries	8	972	*	*	4	*	*	*	*	0
331511	Iron Foundries	3	427	0	*	1	*	*	*	*	0
331521	Aluminum Die-Casting Foundries	1	75	0	0	1	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	1	63	*	*	*	*	0	0	*	0
332	Fabricated Metal Products	43	4,526	*	*	24	*	0	0	*	0
333	Machinery	21	3,323	0	*	9	*	0	0	Q	0
334	Computer and Electronic Products	25	5,236	*	*	7	*	0	0	*	0
334413	Semiconductors and Related Devices	10	1,959	*	*	3	*	0	0	*	0
335	Electrical Equip., Appliances, and Components	15	1,804	*	*	6	*	0	*	1	0
336	Transportation Equipment	26	2,861	*	*	14	*	*	0	1	0
336111	Automobiles	*	1	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	12	902	*	*	7	*	0	0	1	0
336411	Aircraft	5	307	*	*	3	*	0	0	*	0
337	Furniture and Related Products	5	707	0	*	2	*	0	0	*	0
339	Miscellaneous	13	1,847	0	*	6	*	0	0	*	0
	Total	1,502	74,309	5	4	430	5	8	*	608	71
	Midwest Census Region										
311	Food	564	33,034	*	*	246	Q	7	*	43	*
3112	Grain and Oilseed Milling	278	11,550	*	*	83	Q	5	0	35	*
311221	Wet Corn Milling	200	6,574	0	*	47	*	5	0	25	0
31131	Sugar Manufacturing	37	558	*	*	5	*	1	*	*	0
3114	Fruit and Vegetable Preserving and Specialty Foods	26	2,204	*	*	16	*	*	0	1	0
3115	Dairy Products	41	3,305	*	*	25	*	*	0	1	0
3116	Animal Slaughtering and Processing	93	8,561	*	*	59	*	0	0	2	0
312	Beverage and Tobacco Products	18	1,369	*	*	8	*	*	0	*	0
3121	Beverages	18	1,354	*	*	8	*	*	0	*	0
3122	Tobacco	*	15	0	0	*	*	0	0	0	0
313	Textile Mills	3	394	0	*	1	*	0	0	*	0
314	Textile Product Mills	Q	Q	0	0	*	*	0	0	*	0
315	Apparel	*	Q	0	0	*	0	0	0	0	0
316	Leather and Allied Products	1	90	0	*	1	*	0	0	*	0
321	Wood Products	52	2,468	*	1	7	*	*	0	31	0
321113	Sawmills	28	397	*	Q	1	*	0	0	23	0
3212	Veneer, Plywood, and Engineered Woods	10	557	*	*	2	*	*	0	4	0
321219	Reconstituted Wood Products	7	340	*	*	2	*	*	0	3	0
3219	Other Wood Products	14	1,472	0	*	3	*	0	0	4	0
322	Paper	292	15,068	*	*	85	*	3	0	94	0
322110	Pulp Mills	W	281	0	*	1	*	0	0	W	0
322121	Paper Mills, except Newsprint	190	6,885	*	*	38	*	2	0	83	0

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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)	LPG and NGL(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)
322122	Newsprint Mills	W	1,345	0	*	*	*	*	0	W	0
322130	Paperboard Mills	44	2,522	*	*	20	*	*	0	8	0
323	Printing and Related Support	29	4,444	0	*	13	*	0	0	*	0
324	Petroleum and Coal Products	1,051	8,596	*	*	123	*	4	2	797	24
324110	Petroleum Refineries	914	8,101	*	*	105	*	0	0	776	0
324121	Asphalt Paving Mixture and Block	16	259	*	*	9	*	*	0	Q	0
324199	Other Petroleum and Coal Products	112	-156	0	*	2	*	4	2	16	24
325	Chemicals	W	34,431	1	*	381	29	3	*	100	W
325110	Petrochemicals	2	73	*	*	2	*	0	0	*	0
325120	Industrial Gases	W	8,071	0	*	5	0	0	0	0	W
325181	Alkalies and Chlorine	W	1,086	0	*	W	*	0	0	1	0
325182	Carbon Black	9	77	1	*	1	*	0	0	*	0
325188	Other Basic Inorganic Chemicals	64	1,389	0	*	13	*	0	0	45	0
325192	Cyclic Crudes and Intermediates	W	649	0	*	5	W	0	0	W	*
325193	Ethyl Alcohol	256	6,088	0	*	200	*	1	0	3	0
325199	Other Basic Organic Chemicals	68	3,509	0	*	16	W	1	0	W	0
325211	Plastics Materials and Resins	W	3,272	*	*	14	W	*	*	W	W
325212	Synthetic Rubber	7	415	0	*	4	*	*	0	*	0
325222	Noncellulosic Organic Fibers	*	31	0	0	*	*	0	0	*	0
325311	Nitrogenous Fertilizers	W	1,273	0	*	73	*	0	0	3	W
325312	Phosphatic Fertilizers	*	5	0	*	*	*	0	0	*	0
3254	Pharmaceuticals and Medicines	28	2,802	*	*	12	*	*	0	2	0
325412	Pharmaceutical Preparation	19	2,182	0	*	6	*	*	0	2	0
325992	Photographic Film, Paper, Plate, and Chemicals	1	96	0	*	*	*	0	0	*	0
326	Plastics and Rubber Products	92	15,451	0	*	36	*	0	0	Q	0
327	Nonmetallic Mineral Products	212	8,939	*	1	69	*	3	*	39	0
327121	Brick and Structural Clay Tile	4	106	0	*	3	*	*	0	*	0
327211	Flat Glass	16	495	0	*	14	*	0	0	*	0
327212	Other Pressed and Blown Glass and Glassware	9	493	0	*	8	*	0	0	*	0
327213	Glass Containers	15	879	0	*	12	*	0	0	*	0
327215	Glass Products from Purchased Glass	5	968	0	*	1	*	0	0	*	0
327310	Cements	74	2,537	0	*	2	*	1	*	30	0
327410	Lime	45	489	*	*	2	*	1	*	8	0
327420	Gypsum	9	228	0	*	7	*	0	0	*	0
327993	Mineral Wool	17	1,521	0	*	9	*	0	*	*	0
331	Primary Metals	W	46,699	*	1	271	*	7	8	39	W
331111	Iron and Steel Mills	W	19,512	*	1	205	*	7	7	25	W
331112	Electrometallurgical Ferroalloy Products	8	1,174	0	*	*	*	*	*	1	0
3312	Steel Products from Purchased Steel	21	1,507	0	*	9	*	0	*	7	0
3313	Alumina and Aluminum	73	13,265	0	*	22	*	0	0	5	0
331314	Secondary Smelting and Alloying of Aluminum	7	184	0	*	6	*	0	0	*	0
331315	Aluminum Sheet, Plate and Foils	16	1,226	0	*	10	*	0	0	2	0
331316	Aluminum Extruded Products	W	W	0	*	W	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	30	4,391	0	*	10	*	0	*	1	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	13	2,891	0	*	2	*	0	*	*	0
3315	Foundries	60	6,849	0	*	26	*	*	*	*	*
331511	Iron Foundries	31	3,879	0	*	8	*	*	*	*	*
331521	Aluminum Die-Casting Foundries	10	863	0	*	7	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	6	492	0	*	4	*	0	0	*	0
332	Fabricated Metal Products	141	16,345	0	*	80	1	*	*	*	0
333	Machinery	81	9,688	*	*	42	*	0	0	1	0
334	Computer and Electronic Products	24	4,551	0	*	8	*	0	0	*	0
334413	Semiconductors and Related Devices	3	676	0	*	1	*	0	0	*	0
335	Electrical Equip., Appliances, and Components	21	2,827	0	*	11	*	0	0	*	0
336	Transportation Equipment	149	19,775	*	*	70	1	*	0	3	0
336111	Automobiles	19	1,765	0	*	11	*	*	0	1	0
336112	Light Trucks and Utility Vehicles	24	2,059	0	*	14	*	*	0	1	0
3364	Aerospace Product and Parts	14	2,012	*	*	6	*	0	0	1	0
336411	Aircraft	4	505	0	*	2	*	0	0	*	0
337	Furniture and Related Products	14	1,665	0	*	5	*	*	0	2	0
339	Miscellaneous	8	1,254	0	*	3	*	*	0	*	0
	Total	4,349	227,367	2	4	1,459	33	26	9	1,149	43
	South Census Region										
311	Food	297	23,271	1	1	143	*	1	0	41	0

Released: March 2013

Next MECS will be fielded in 2015

Table 1.1 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

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)	LPG and NGL(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)
3112	Grain and Oilseed Milling	61	3,690	*	*	28	*	*	0	8	0
311221	Wet Corn Milling	14	824	0	*	4	*	*	0	*	0
31131	Sugar Manufacturing	40	263	*	*	6	*	*	0	31	0
3114	Fruit and Vegetable Preserving and Specialty Foods	29	2,394	*	*	19	*	0	0	1	0
3115	Dairy Products	13	1,815	0	*	6	*	0	0	*	0
3116	Animal Slaughtering and Processing	89	8,966	1	*	47	*	*	0	Q	0
312	Beverage and Tobacco Products	36	3,614	*	*	15	*	*	0	2	0
3121	Beverages	27	2,682	*	*	12	*	*	0	2	0
3122	Tobacco	9	932	*	*	3	*	*	0	*	0
313	Textile Mills	81	12,007	*	*	22	*	*	0	7	0
314	Textile Product Mills	15	1,800	*	*	8	*	*	0	*	0
315	Apparel	5	886	0	*	2	*	0	0	*	0
316	Leather and Allied Products	*	73	0	*	*	*	0	0	*	0
321	Wood Products	247	8,775	*	1	17	*	*	0	191	0
321113	Sawmills	143	2,707	0	*	2	*	0	0	130	0
3212	Veneer, Plywood, and Engineered Woods	77	4,150	*	*	11	*	*	0	49	0
321219	Reconstituted Wood Products	49	2,882	*	*	10	*	*	0	28	0
3219	Other Wood Products	20	1,685	0	*	2	*	0	0	10	0
322	Paper	1,341	27,762	3	1	178	*	5	*	921	0
322110	Pulp Mills	213	1,142	1	*	17	*	*	0	186	0
322121	Paper Mills, except Newsprint	392	8,433	1	*	55	*	2	0	248	0
322122	Newsprint Mills	W	3,219	0	*	1	*	*	0	W	0
322130	Paperboard Mills	659	9,668	2	*	85	*	3	*	469	0
323	Printing and Related Support	30	4,825	0	*	13	*	0	0	*	0
324	Petroleum and Coal Products	3,634	27,233	1	1	514	1	2	*	3,052	90
324110	Petroleum Refineries	3,598	26,229	*	*	496	1	0	0	2,990	0
324121	Asphalt Paving Mixture and Block	21	332	*	1	10	*	0	0	2	0
324199	Other Petroleum and Coal Products	6	140	*	*	1	*	1	*	61	90
325	Chemicals	W	76,423	14	1	1,689	538	4	*	377	W
325110	Petrochemicals	858	6,453	W	*	W	231	0	0	155	385
325120	Industrial Gases	W	6,902	0	*	115	*	0	0	1	W
325181	Alkalies and Chlorine	W	5,022	0	*	W	*	*	0	11	0
325182	Carbon Black	79	151	W	*	W	*	0	0	*	0
325188	Other Basic Inorganic Chemicals	124	20,178	*	*	31	*	*	*	19	*
325192	Cyclic Crudes and Intermediates	W	1,863	*	*	12	*	0	0	W	0
325193	Ethyl Alcohol	41	983	0	*	37	*	0	0	*	0
325199	Other Basic Organic Chemicals	1,056	5,182	*	*	429	129	3	0	109	36
325211	Plastics Materials and Resins	927	15,133	*	*	291	178	*	0	26	82
325212	Synthetic Rubber	34	1,146	0	*	18	*	*	0	8	0
325222	Noncellulosic Organic Fibers	41	2,732	*	*	14	*	*	0	W	W
325311	Nitrogenous Fertilizers	284	1,919	0	*	269	*	0	0	*	0
325312	Phosphatic Fertilizers	W	998	*	*	W	*	*	0	*	0
3254	Pharmaceuticals and Medicines	25	2,927	*	*	11	*	0	0	3	0
325412	Pharmaceutical Preparation	15	1,794	*	*	6	*	0	0	2	0
325992	Photographic Film, Paper, Plate, and Chemicals	1	167	0	*	1	*	0	0	*	0
326	Plastics and Rubber Products	124	19,154	*	*	48	Q	0	0	Q	0
327	Nonmetallic Mineral Products	296	14,180	*	2	121	*	4	*	24	0
327121	Brick and Structural Clay Tile	13	386	*	*	10	*	*	0	1	0
327211	Flat Glass	18	665	0	*	15	*	0	0	*	0
327212	Other Pressed and Blown Glass and Glassware	18	1,407	0	*	13	*	0	0	Q	0
327213	Glass Containers	20	1,192	0	*	16	*	0	0	*	0
327215	Glass Products from Purchased Glass	5	989	0	*	2	*	0	0	*	0
327310	Cements	99	3,900	*	*	9	*	2	*	19	0
327410	Lime	37	697	0	1	1	*	1	*	*	0
327420	Gypsum	20	520	0	*	18	*	0	0	*	0
327993	Mineral Wool	13	1,205	0	*	9	*	0	*	*	0
331	Primary Metals	W	45,397	*	1	171	*	4	5	31	W
331111	Iron and Steel Mills	W	22,133	*	*	82	*	3	5	W	W
331112	Electrometallurgical Ferroalloy Products	9	1,446	0	*	*	0	*	*	*	0
3312	Steel Products from Purchased Steel	16	2,849	0	*	6	*	*	0	*	0
3313	Alumina and Aluminum	W	12,833	0	*	61	*	0	0	W	*
331314	Secondary Smelting and Alloying of Aluminum	6	316	0	*	5	*	0	0	*	0
331315	Aluminum Sheet, Plate and Foils	29	2,092	0	*	22	*	0	0	*	*
331316	Aluminum Extruded Products	7	412	0	*	5	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	48	3,523	0	*	11	*	*	*	21	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	29	1,929	0	*	*	*	*	0	21	0
3315	Foundries	25	2,612	0	*	11	*	*	*	*	0

Released: March 2013

Next MECS will be fielded in 2015

Table 1.1 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

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)	LPG and NGL(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)
331511	Iron Foundries	13	1,271	0	*	4	*	*	*	*	0
331521	Aluminum Die-Casting Foundries	4	311	0	*	3	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	3	138	0	*	2	*	0	0	*	0
332	Fabricated Metal Products	91	12,909	0	*	42	1	0	0	Q	0
333	Machinery	41	6,103	0	*	18	*	0	0	*	0
334	Computer and Electronic Products	43	10,078	0	*	8	*	0	0	1	0
334413	Semiconductors and Related Devices	15	3,192	0	*	3	*	0	0	1	0
335	Electrical Equip., Appliances, and Components	56	5,579	0	*	17	*	*	0	Q	Q
336	Transportation Equipment	75	11,397	*	*	29	*	*	0	2	0
336111	Automobiles	8	1,233	0	*	4	*	*	0	*	0
336112	Light Trucks and Utility Vehicles	14	1,538	0	*	8	*	0	0	*	0
3364	Aerospace Product and Parts	19	2,972	*	*	7	*	*	0	1	0
336411	Aircraft	7	1,163	*	*	3	*	0	0	*	0
337	Furniture and Related Products	16	2,180	0	*	4	*	*	0	Q	0
339	Miscellaneous	12	2,300	*	*	3	*	0	0	*	0
	Total	10,872	315,945	19	9	3,063	543	20	5	4,685	670
	West Census Region										
311	Food	211	11,955	*	2	124	*	1	*	10	0
3112	Grain and Oilseed Milling	13	806	0	*	6	*	0	0	Q	0
311221	Wet Corn Milling	2	64	0	*	1	*	0	0	1	0
31131	Sugar Manufacturing	30	185	0	*	4	*	1	*	5	0
3114	Fruit and Vegetable Preserving and Specialty Foods	75	3,633	*	Q	56	*	0	0	1	0
3115	Dairy Products	38	3,272	0	*	26	*	0	0	*	0
3116	Animal Slaughtering and Processing	19	1,753	0	*	12	*	0	0	*	0
312	Beverage and Tobacco Products	20	2,219	0	*	9	*	0	0	2	0
3121	Beverages	20	2,218	0	*	9	*	0	0	2	0
3122	Tobacco	*	1	0	0	*	*	0	0	0	0
313	Textile Mills	3	289	*	*	2	*	0	0	*	0
314	Textile Product Mills	Q	Q	0	*	*	*	0	0	*	0
315	Apparel	*	90	0	0	*	0	0	0	0	0
316	Leather and Allied Products	*	31	0	0	*	*	0	0	0	0
321	Wood Products	87	3,069	*	Q	9	*	0	0	55	0
321113	Sawmills	56	1,028	0	Q	3	*	0	0	39	0
3212	Veneer, Plywood, and Engineered Woods	22	1,427	*	*	5	*	0	0	12	0
321219	Reconstituted Wood Products	8	668	0	*	2	*	0	0	3	0
3219	Other Wood Products	9	520	0	*	1	*	0	0	4	0
322	Paper	230	12,760	*	*	58	*	1	0	107	0
322110	Pulp Mills	7	178	*	*	*	*	0	0	5	0
322121	Paper Mills, except Newsprint	74	2,285	*	*	25	*	0	0	40	0
322122	Newsprint Mills	41	5,736	*	*	2	*	1	0	6	0
322130	Paperboard Mills	97	3,543	*	*	25	*	*	0	56	0
323	Printing and Related Support	Q	Q	0	0	2	*	0	0	0	0
324	Petroleum and Coal Products	1,006	6,773	1	1	215	3	*	0	740	3
324110	Petroleum Refineries	988	6,520	1	1	203	3	0	0	738	0
324121	Asphalt Paving Mixture and Block	14	220	*	*	9	*	0	0	2	0
324199	Other Petroleum and Coal Products	2	-101	0	*	*	*	*	0	*	3
325	Chemicals	144	8,957	0	*	53	*	2	*	8	1
325110	Petrochemicals	0	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	7	1,835	0	0	1	0	0	0	*	1
325181	Alkalies and Chlorine	58	1,830	0	*	18	*	1	0	2	0
325182	Carbon Black	*	1	0	*	*	*	0	0	*	0
325188	Other Basic Inorganic Chemicals	43	2,325	0	*	14	*	1	*	2	*
325192	Cyclic Crudes and Intermediates	*	1	0	*	*	*	0	0	*	0
325193	Ethyl Alcohol	10	253	0	*	7	*	0	0	2	0
325199	Other Basic Organic Chemicals	5	251	0	*	2	*	0	0	1	0
325211	Plastics Materials and Resins	2	179	0	*	1	*	0	0	*	0
325212	Synthetic Rubber	*	45	0	*	*	*	0	0	*	0
325222	Noncellulosic Organic Fibers	*	1	0	0	*	*	0	0	0	0
325311	Nitrogenous Fertilizers	2	169	0	*	1	*	0	0	*	0
325312	Phosphatic Fertilizers	4	246	0	*	3	*	0	0	*	0
3254	Pharmaceuticals and Medicines	8	991	0	*	4	*	0	0	*	0
325412	Pharmaceutical Preparation	4	456	0	*	2	*	0	0	*	0
325992	Photographic Film, Paper, Plate, and Chemicals	2	241	0	*	1	*	0	0	*	0
326	Plastics and Rubber Products	39	8,514	0	*	9	*	0	0	*	0

Released: March 2013

Next MECS will be fielded in 2015

Table 1.1 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

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)	LPG and NGL(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)
327	Nonmetallic Mineral Products	116	5,325	*	1	39	*	2	*	6	0
327121	Brick and Structural Clay Tile	2	39	0	*	1	*	0	0	*	0
327211	Flat Glass	6	185	0	*	5	*	0	0	*	0
327212	Other Pressed and Blown Glass and Glassware	2	97	0	*	1	*	0	0	*	0
327213	Glass Containers	13	945	0	*	10	*	0	0	*	0
327215	Glass Products from Purchased Glass	1	291	0	*	*	*	0	0	*	0
327310	Cements	46	1,752	0	*	1	*	1	*	6	0
327410	Lime	14	246	0	*	*	*	1	0	*	0
327420	Gypsum	9	205	0	*	8	*	0	0	*	0
327993	Mineral Wool	4	468	0	*	2	*	0	0	*	0
331	Primary Metals	95	12,209	0	*	41	*	*	*	8	0
331111	Iron and Steel Mills	W	2,919	0	*	13	*	*	*	W	0
331112	Electrometallurgical Ferroalloy Products	*	*	0	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	1	113	0	*	*	*	0	0	*	0
3313	Alumina and Aluminum	W	4,951	0	*	7	*	0	0	W	0
331314	Secondary Smelting and Alloying of Aluminum	1	27	0	*	1	*	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	4	353	0	*	2	*	0	0	*	0
331316	Aluminum Extruded Products	W	W	0	*	W	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	32	3,503	0	*	17	*	0	*	Q	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	18	2,371	0	*	9	*	0	0	*	0
3315	Foundries	7	722	0	*	4	*	*	*	*	0
331511	Iron Foundries	2	99	0	*	1	*	*	*	*	0
331521	Aluminum Die-Casting Foundries	*	36	0	0	*	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	2	164	0	*	1	*	0	0	*	0
332	Fabricated Metal Products	27	3,426	0	*	13	*	*	0	Q	0
333	Machinery	6	1,271	0	*	Q	*	0	0	*	0
334	Computer and Electronic Products	52	9,638	0	*	19	*	0	0	*	0
334413	Semiconductors and Related Devices	30	4,981	0	*	12	*	0	0	*	0
335	Electrical Equip., Appliances, and Components	3	478	0	*	Q	*	0	0	*	0
336	Transportation Equipment	30	4,799	0	*	12	*	0	0	Q	0
336111	Automobiles	*	28	0	0	*	*	0	0	0	0
336112	Light Trucks and Utility Vehicles	*	23	0	0	*	0	0	0	0	0
3364	Aerospace Product and Parts	24	3,615	0	*	10	*	0	0	Q	0
336411	Aircraft	4	655	0	*	2	*	0	0	*	0
337	Furniture and Related Products	3	408	0	0	1	*	0	0	*	0
339	Miscellaneous	11	2,197	0	*	3	*	0	0	*	0
	Total	2,094	96,546	1	6	611	4	6	*	939	4

(a) The Bureau of the Census classifies establishments using the 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) Examples of Liquefied Petroleum Gases '(LPG)' are 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

Table 1.1 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

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)	LPG and NGL(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)

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) For the petroleum refining industry only, the feedstocks and raw material inputs for the production of nonenergy products (i.e., asphalt, waxes, lubricants, and solvents) and feedstock consumption at adjoining petrochemical plants are included in the 'Other' column, regardless of type of energy. The remaining columns for the petroleum refining industry include only energy that was consumed for the production of heat and power. The 'Other' column also includes net steam and other energy that respondents indicated was used in the production of heat and power. Those inputs and feedstocks that were converted to other energy products (e.g., crude oil converted to residual and distillate fuel oils) are excluded.

NF=No applicable RSE row/column factor.
* Estimate less than 0.5.
W=Withheld to avoid disclosing data for individual establishments.
Q=Withheld because Relative Standard Error is greater than 50 percent.
NA=Not available.

Notes: Totals may not equal sum of components because of independent rounding. 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; woodchips, bark, and woodwaste 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.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2010.

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Next MECS will be fielded in 2015

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

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

NAICS Code(a)	Subsector and Industry	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)
		Total United States									
311	Food	1,162	257	12	23	583	8	182	2	96	*
3112	Grain and Oilseed Milling	355	56	*	1	123	Q	126	0	47	*
311221	Wet Corn Milling	215	25	*	*	53	*	110	0	26	0
31131	Sugar Manufacturing	107	4	1	1	15	*	49	2	36	0
3114	Fruit and Vegetable Preserving and Specialty Foods	143	31	1	Q	100	1	2	0	4	0
3115	Dairy Products	105	33	2	2	67	1	*	0	1	0
3116	Animal Slaughtering and Processing	209	69	5	3	126	2	Q	0	3	0
312	Beverage and Tobacco Products	85	29	1	1	38	1	10	0	5	0
3121	Beverages	76	25	*	1	34	1	8	0	5	0
3122	Tobacco	10	3	*	*	4	*	2	0	*	0
313	Textile Mills	95	45	2	Q	31	1	8	0	7	0
314	Textile Product Mills	20	8	*	*	9	Q	Q	0	*	0
315	Apparel	6	4	0	*	2	*	0	0	*	0
316	Leather and Allied Products	2	1	*	*	1	*	0	0	*	0
321	Wood Products	473	52	Q	24	35	3	1	0	357	0
321113	Sawmills	232	15	*	Q	6	*	0	0	195	0
3212	Veneer, Plywood, and Engineered Woods	183	22	*	2	19	1	1	0	138	0
321219	Reconstituted Wood Products	83	14	*	Q	14	*	1	0	52	0
3219	Other Wood Products	48	14	*	5	8	2	*	0	20	0
322	Paper	2,109	206	35	6	401	4	207	*	1,250	0
322110	Pulp Mills	249	7	8	1	19	*	*	0	214	0
322121	Paper Mills, except Newsprint	821	62	13	2	172	1	113	0	457	0
322122	Newsprint Mills	101	38	1	1	3	*	23	0	35	0
322130	Paperboard Mills	825	59	11	2	145	*	67	*	540	0
323	Printing and Related Support	84	47	Q	*	34	1	0	0	*	0
324	Petroleum and Coal Products	6,137	160	17	25	918	27	123	41	4,946	121
324110	Petroleum Refineries	5,922	153	14	11	859	25	1	0	4,859	0
324121	Asphalt Paving Mixture and Block	70	4	3	14	39	1	Q	0	9	0
324199	Other Petroleum and Coal Products	123	*	*	*	5	*	121	41	77	121
325	Chemicals	4,995	450	97	8	2,256	1,989	215	9	498	527
325110	Petrochemicals	860	22	W	*	W	785	0	0	155	385
325120	Industrial Gases	W	66	0	*	126	*	0	0	3	W
325181	Alkalies and Chlorine	W	32	0	*	W	*	39	0	17	0
325182	Carbon Black	88	1	W	*	W	*	0	0	*	0
325188	Other Basic Inorganic Chemicals	239	84	1	1	64	*	17	6	66	*
325192	Cyclic Crudes and Intermediates	98	9	*	*	23	W	0	0	W	*
325193	Ethyl Alcohol	310	25	0	*	253	*	25	0	6	0
325199	Other Basic Organic Chemicals	1,151	33	*	1	473	479	73	0	128	36
325211	Plastics Materials and Resins	W	67	Q	1	319	670	12	*	35	W
325212	Synthetic Rubber	41	6	0	*	22	2	3	0	8	0
325222	Noncellulosic Organic Fibers	42	10	*	*	15	*	3	0	W	W
325311	Nitrogenous Fertilizers	W	12	*	*	354	*	0	0	3	W
325312	Phosphatic Fertilizers	W	4	*	2	W	*	2	0	*	0
3254	Pharmaceuticals and Medicines	92	31	*	1	49	*	4	0	7	0
325412	Pharmaceutical Preparation	51	19	*	*	24	*	4	0	4	0
325992	Photographic Film, Paper, Plate, and Chemicals	20	5	*	*	6	*	9	0	*	0
326	Plastics and Rubber Products	275	156	*	2	104	5	Q	0	Q	0
327	Nonmetallic Mineral Products	716	111	1	23	273	2	217	8	80	0
327121	Brick and Structural Clay Tile	21	2	*	*	16	*	1	0	1	0
327211	Flat Glass	54	6	0	*	43	*	*	0	5	0
327212	Other Pressed and Blown Glass and Glassware	37	9	0	*	28	*	0	0	Q	0
327213	Glass Containers	59	12	0	*	46	*	0	0	*	0
327215	Glass Products from Purchased Glass	14	9	0	*	5	*	*	0	*	0
327310	Cements	246	31	*	3	13	*	135	3	60	0
327410	Lime	101	5	*	5	3	*	77	1	9	0
327420	Gypsum	44	5	*	*	39	*	0	0	*	0
327993	Mineral Wool	39	12	0	*	24	*	0	3	*	0
331	Primary Metals	1,608	400	1	9	566	3	356	314	92	133
331111	Iron and Steel Mills	1,065	172	*	5	345	*	347	293	35	133
331112	Electrometallurgical Ferroalloy Products	21	11	0	*	1	*	7	1	1	0
3312	Steel Products from Purchased Steel	48	18	*	*	19	*	*	*	10	0
3313	Alumina and Aluminum	237	116	*	2	102	*	0	0	16	*
331314	Secondary Smelting and Alloying of Aluminum	24	9	*	*	14	*	0	0	*	0
331315	Aluminum Sheet, Plate and Foils	56	14	0	*	40	*	0	0	2	*
331316	Aluminum Extruded Products	17	5	0	*	12	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	137	45	*	*	52	1	2	7	29	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	62	25	0	*	12	*	2	1	21	0
3315	Foundries	100	38	*	1	47	1	1	13	*	*

Released: March 2013

Next MECS will be fielded in 2015

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

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

NAICS Code(a)	Subsector and Industry	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)
331511	Iron Foundries	48	19	0	*	14	*	1	13	*	*
331521	Aluminum Die-Casting Foundries	16	4	0	*	11	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	11	3	*	*	8	*	0	0	*	0
332	Fabricated Metal Products	302	127	*	3	163	5	Q	*	Q	0
333	Machinery	149	70	*	3	72	2	0	0	1	0
334	Computer and Electronic Products	145	101	*	*	42	*	0	0	1	0
334413	Semiconductors and Related Devices	58	37	*	*	20	*	0	0	1	0
335	Electrical Equip., Appliances, and Components	94	36	*	1	36	1	*	*	Q	Q
336	Transportation Equipment	279	132	2	3	129	3	3	0	6	0
336111	Automobiles	28	10	0	*	15	*	1	0	1	0
336112	Light Trucks and Utility Vehicles	38	12	0	*	23	*	1	0	1	0
3364	Aerospace Product and Parts	69	32	1	1	30	1	*	0	3	0
336411	Aircraft	19	9	*	*	10	*	0	0	*	0
337	Furniture and Related Products	37	17	0	*	13	1	Q	0	5	0
339	Miscellaneous	43	26	*	1	16	*	*	0	*	0
	Total	18,817	2,437	170	135	5,725	2,057	1,328	374	7,381	788
	Northeast Census Region										
311	Food	89	24	3	3	56	1	1	0	1	0
3112	Grain and Oilseed Milling	3	1	*	*	2	*	0	0	*	0
311221	Wet Corn Milling	*	*	*	0	0	*	0	0	0	0
31131	Sugar Manufacturing	1	1	0	*	*	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	13	3	1	*	7	*	1	0	*	0
3115	Dairy Products	14	4	1	1	8	*	0	0	*	0
3116	Animal Slaughtering and Processing	8	3	*	1	4	*	0	0	*	0
312	Beverage and Tobacco Products	11	4	1	*	6	*	0	0	Q	0
3121	Beverages	11	4	*	*	5	*	0	0	Q	0
3122	Tobacco	1	*	*	*	*	*	0	0	*	0
313	Textile Mills	8	2	1	*	5	*	0	0	*	0
314	Textile Product Mills	Q	Q	0	*	Q	*	Q	0	*	0
315	Apparel	*	*	0	0	*	0	0	0	0	0
316	Leather and Allied Products	*	*	*	*	*	*	0	0	*	0
321	Wood Products	87	3	*	1	2	*	*	0	80	0
321113	Sawmills	5	1	*	1	*	*	0	0	3	0
3212	Veneer, Plywood, and Engineered Woods	75	1	0	*	*	*	*	0	74	0
321219	Reconstituted Wood Products	18	1	0	*	*	*	0	0	17	0
3219	Other Wood Products	5	2	*	1	1	*	*	0	2	0
322	Paper	247	17	12	1	71	1	19	0	127	0
322110	Pulp Mills	W	1	2	*	1	*	0	0	W	0
322121	Paper Mills, except Newsprint	165	2	7	1	51	*	18	0	86	0
322122	Newsprint Mills	W	3	1	*	0	*	0	0	W	0
322130	Paperboard Mills	25	5	1	*	12	*	0	0	7	0
323	Printing and Related Support	16	8	Q	*	6	*	0	0	*	0
324	Petroleum and Coal Products	445	15	7	11	42	10	5	*	358	3
324110	Petroleum Refineries	422	14	6	5	31	10	1	0	355	0
324121	Asphalt Paving Mixture and Block	19	1	1	6	9	*	0	0	2	0
324199	Other Petroleum and Coal Products	2	*	0	*	1	*	4	*	*	3
325	Chemicals	154	41	3	1	71	6	17	3	14	2
325110	Petrochemicals	*	*	0	*	*	0	0	0	0	0
325120	Industrial Gases	10	9	0	*	*	*	0	0	2	1
325181	Alkalies and Chlorine	8	5	0	*	*	*	0	0	2	0
325182	Carbon Black	*	*	0	0	*	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	8	3	1	*	4	*	0	0	*	0
325192	Cyclic Crudes and Intermediates	6	1	*	*	5	*	0	0	*	*
325193	Ethyl Alcohol	2	*	0	*	2	*	0	0	0	0
325199	Other Basic Organic Chemicals	22	2	0	*	13	W	0	0	W	0
325211	Plastics Materials and Resins	16	3	0	*	5	W	0	0	W	1
325212	Synthetic Rubber	*	*	0	0	*	*	0	0	0	0
325222	Noncellulosic Organic Fibers	*	*	0	*	0	*	0	0	*	0
325311	Nitrogenous Fertilizers	1	*	*	*	*	*	0	0	*	0
325312	Phosphatic Fertilizers	*	*	0	*	*	*	0	0	*	0
3254	Pharmaceuticals and Medicines	31	8	*	*	22	*	0	0	1	0
325412	Pharmaceutical Preparation	13	4	*	*	9	*	0	0	*	0
325992	Photographic Film, Paper, Plate, and Chemicals	16	3	*	*	4	*	9	0	*	0
326	Plastics and Rubber Products	21	9	0	Q	8	*	Q	0	*	0
327	Nonmetallic Mineral Products	92	14	*	3	38	*	25	1	11	0
327121	Brick and Structural Clay Tile	2	*	0	*	1	*	*	0	*	0
327211	Flat Glass	14	1	0	*	8	*	*	0	5	0
327212	Other Pressed and Blown Glass and Glassware	8	2	0	*	6	*	0	0	*	0

Released: March 2013

Next MECS will be fielded in 2015

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

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

NAICS Code(a)	Subsector and Industry	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)
327213	Glass Containers	10	2	0	*	8	*	0	0	*	0
327215	Glass Products from Purchased Glass	3	1	0	*	1	*	*	0	*	0
327310	Cements	28	3	*	1	*	*	17	1	5	0
327410	Lime	5	*	0	*	0	*	4	0	1	0
327420	Gypsum	7	1	*	*	5	*	0	0	*	0
327993	Mineral Wool	4	1	0	*	3	*	0	0	*	0
331	Primary Metals	179	44	*	1	68	1	114	4	14	66
331111	Iron and Steel Mills	110	20	0	*	37	*	113	1	5	66
331112	Electrometallurgical Ferroalloy Products	3	2	0	*	*	*	1	*	*	0
3312	Steel Products from Purchased Steel	10	3	*	*	4	*	0	*	3	0
3313	Alumina and Aluminum	20	10	*	*	10	*	0	0	1	0
331314	Secondary Smelting and Alloying of Aluminum	9	7	*	*	2	*	0	0	*	0
331315	Aluminum Sheet, Plate and Foils	7	2	0	*	5	*	0	0	*	0
331316	Aluminum Extruded Products	4	1	0	*	2	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	27	6	*	*	13	*	*	2	6	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	1	1	0	*	*	*	*	0	*	0
3315	Foundries	8	3	*	*	4	*	*	*	*	0
331511	Iron Foundries	3	1	0	*	1	*	*	*	*	0
331521	Aluminum Die-Casting Foundries	1	*	0	0	1	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	1	*	*	*	*	*	0	0	*	0
332	Fabricated Metal Products	43	15	*	Q	25	1	0	0	*	0
333	Machinery	21	11	0	*	9	*	0	0	Q	0
334	Computer and Electronic Products	25	18	*	*	7	*	0	0	*	0
334413	Semiconductors and Related Devices	10	7	*	*	3	*	0	0	*	0
335	Electrical Equip., Appliances, and Components	15	6	*	1	7	*	0	*	1	0
336	Transportation Equipment	26	10	1	*	14	*	*	0	1	0
336111	Automobiles	*	*	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	12	3	1	*	7	*	0	0	1	0
336411	Aircraft	5	1	*	*	3	*	0	0	*	0
337	Furniture and Related Products	5	2	0	*	2	*	0	0	*	0
339	Miscellaneous	13	6	0	*	6	*	0	0	*	0
	Total	1,502	254	29	26	443	20	185	8	608	71
	Midwest Census Region										
311	Food	564	113	3	3	253	Q	145	1	43	*
3112	Grain and Oilseed Milling	278	39	*	*	86	Q	115	0	35	*
311221	Wet Corn Milling	200	22	0	*	48	*	104	0	25	0
31131	Sugar Manufacturing	37	2	1	*	5	*	28	1	*	0
3114	Fruit and Vegetable Preserving and Specialty Foods	26	8	*	*	17	*	1	0	1	0
3115	Dairy Products	41	11	1	1	26	*	*	0	1	0
3116	Animal Slaughtering and Processing	93	29	1	*	60	*	0	0	2	0
312	Beverage and Tobacco Products	18	5	*	*	8	*	6	0	*	0
3121	Beverages	18	5	*	*	8	*	6	0	*	0
3122	Tobacco	*	*	0	0	*	*	0	0	0	0
313	Textile Mills	3	1	0	*	1	*	0	0	*	0
314	Textile Product Mills	Q	Q	0	0	*	*	0	0	*	0
315	Apparel	*	*	0	0	*	0	0	0	0	0
316	Leather and Allied Products	1	*	0	*	1	*	0	0	*	0
321	Wood Products	52	8	*	4	7	1	1	0	31	0
321113	Sawmills	28	1	*	Q	1	*	0	0	23	0
3212	Veneer, Plywood, and Engineered Woods	10	2	*	*	2	*	1	0	4	0
321219	Reconstituted Wood Products	7	1	*	*	2	*	1	0	3	0
3219	Other Wood Products	14	5	0	1	3	*	0	0	4	0
322	Paper	292	51	1	1	88	1	57	0	94	0
322110	Pulp Mills	W	1	0	*	1	*	0	0	W	0
322121	Paper Mills, except Newsprint	190	23	1	*	39	*	44	0	83	0
322122	Newsprint Mills	W	5	0	*	*	*	2	0	W	0
322130	Paperboard Mills	44	9	*	*	20	*	7	0	8	0
323	Printing and Related Support	29	15	0	*	13	*	0	0	*	0
324	Petroleum and Coal Products	1,051	29	1	2	126	1	79	40	797	24
324110	Petroleum Refineries	914	28	1	1	108	1	0	0	776	0
324121	Asphalt Paving Mixture and Block	16	1	*	1	10	*	Q	0	Q	0
324199	Other Petroleum and Coal Products	112	-1	0	*	2	*	78	40	16	24
325	Chemicals	W	117	7	1	392	106	58	1	100	W
325110	Petrochemicals	2	*	*	*	2	*	0	0	*	0
325120	Industrial Gases	W	28	0	*	5	0	0	0	0	W
325181	Alkalies and Chlorine	W	4	0	*	W	*	0	0	1	0
325182	Carbon Black	9	*	7	*	2	*	0	0	*	0

Released: March 2013

Next MECS will be fielded in 2015

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

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

NAICS Code(a)	Subsector and Industry	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)
325188	Other Basic Inorganic Chemicals	64	5	0	*	13	*	0	0	45	0
325192	Cyclic Crudes and Intermediates	W	2	0	*	5	W	0	0	W	*
325193	Ethyl Alcohol	256	21	0	*	206	*	25	0	3	0
325199	Other Basic Organic Chemicals	68	12	0	*	16	W	14	0	W	0
325211	Plastics Materials and Resins	W	11	*	*	14	W	6	*	W	W
325212	Synthetic Rubber	7	1	0	*	4	*	1	0	*	0
325222	Noncellulosic Organic Fibers	*	*	0	0	*	*	0	0	*	0
325311	Nitrogenous Fertilizers	W	4	0	*	75	*	0	0	3	W
325312	Phosphatic Fertilizers	*	*	0	*	*	*	0	0	*	0
3254	Pharmaceuticals and Medicines	28	10	*	*	12	*	4	0	2	0
325412	Pharmaceutical Preparation	19	7	0	*	6	*	4	0	2	0
325992	Photographic Film, Paper, Plate, and Chemicals	1	*	0	*	*	*	0	0	*	0
326	Plastics and Rubber Products	92	53	0	*	37	1	0	0	Q	0
327	Nonmetallic Mineral Products	212	30	*	4	71	*	64	4	39	0
327121	Brick and Structural Clay Tile	4	*	0	*	3	*	*	0	*	0
327211	Flat Glass	16	2	0	*	14	*	0	0	*	0
327212	Other Pressed and Blown Glass and Glassware	9	2	0	*	8	*	0	0	*	0
327213	Glass Containers	15	3	0	*	12	*	0	0	*	0
327215	Glass Products from Purchased Glass	5	3	0	*	1	*	0	0	*	0
327310	Cements	74	9	0	1	2	*	31	1	30	0
327410	Lime	45	2	*	*	2	*	32	1	8	0
327420	Gypsum	9	1	0	*	8	*	0	0	*	0
327993	Mineral Wool	17	5	0	*	9	*	0	3	*	0
331	Primary Metals	W	159	*	4	279	1	163	188	39	W
331111	Iron and Steel Mills	W	67	*	3	210	*	161	176	25	W
331112	Electrometallurgical Ferroalloy Products	8	4	0	*	*	*	2	1	1	0
3312	Steel Products from Purchased Steel	21	5	0	*	9	*	0	*	7	0
3313	Alumina and Aluminum	73	45	0	*	22	*	0	0	5	0
331314	Secondary Smelting and Alloying of Aluminum	7	1	0	*	7	*	0	0	*	0
331315	Aluminum Sheet, Plate and Foils	16	4	0	*	10	*	0	0	2	0
331316	Aluminum Extruded Products	W	W	0	*	W	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	30	15	0	*	10	1	0	3	1	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	13	10	0	*	2	*	0	1	*	0
3315	Foundries	60	23	0	*	27	*	1	8	*	*
331511	Iron Foundries	31	13	0	*	8	*	1	8	*	*
331521	Aluminum Die-Casting Foundries	10	3	0	*	7	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	6	2	0	*	4	*	0	0	*	0
332	Fabricated Metal Products	141	56	0	*	82	2	Q	*	*	0
333	Machinery	81	33	*	2	44	1	0	0	1	0
334	Computer and Electronic Products	24	16	0	*	8	*	0	0	*	0
334413	Semiconductors and Related Devices	3	2	0	*	1	*	0	0	*	0
335	Electrical Equip., Appliances, and Components	21	10	0	*	11	*	0	0	*	0
336	Transportation Equipment	149	67	*	1	72	2	3	0	3	0
336111	Automobiles	19	6	0	*	11	*	1	0	1	0
336112	Light Trucks and Utility Vehicles	24	7	0	*	15	*	1	0	1	0
3364	Aerospace Product and Parts	14	7	*	*	6	*	0	0	1	0
336411	Aircraft	4	2	0	*	2	*	0	0	*	0
337	Furniture and Related Products	14	6	0	*	5	*	Q	0	2	0
339	Miscellaneous	8	4	0	*	3	*	*	0	*	0
	Total	4,349	776	12	22	1,501	122	577	234	1,149	43
	South Census Region										
311	Food	297	79	6	6	147	2	16	0	41	0
3112	Grain and Oilseed Milling	61	13	*	*	29	*	11	0	8	0
311221	Wet Corn Milling	14	3	0	*	4	*	7	0	*	0
31131	Sugar Manufacturing	40	1	*	1	6	*	1	0	31	0
3114	Fruit and Vegetable Preserving and Specialty Foods	29	8	1	*	19	*	0	0	1	0
3115	Dairy Products	13	6	0	*	6	*	0	0	*	0
3116	Animal Slaughtering and Processing	89	31	4	2	49	1	Q	0	Q	0
312	Beverage and Tobacco Products	36	12	*	1	16	*	4	0	2	0
3121	Beverages	27	9	*	1	12	*	3	0	2	0
3122	Tobacco	9	3	*	*	4	*	2	0	*	0
313	Textile Mills	81	41	1	Q	23	1	8	0	7	0
314	Textile Product Mills	15	6	*	*	8	*	*	0	*	0
315	Apparel	5	3	0	*	2	*	0	0	*	0
316	Leather and Allied Products	*	*	0	*	*	*	0	0	*	0
321	Wood Products	247	30	Q	6	18	1	*	0	191	0
321113	Sawmills	143	9	0	1	2	*	0	0	130	0
3212	Veneer, Plywood, and Engineered Woods	77	14	*	2	12	*	*	0	49	0

Released: March 2013

Next MECS will be fielded in 2015

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

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

NAICS Code(a)	Subsector and Industry	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)
321219	Reconstituted Wood Products	49	10	*	Q	10	*	*	0	28	0
3219	Other Wood Products	20	6	0	Q	2	1	0	0	10	0
322	Paper	1,341	95	20	4	183	1	115	*	921	0
322110	Pulp Mills	213	4	4	1	18	*	*	0	186	0
322121	Paper Mills, except Newsprint	392	29	6	1	56	*	51	0	248	0
322122	Newsprint Mills	W	11	0	*	1	*	7	0	W	0
322130	Paperboard Mills	659	33	10	1	87	*	57	*	469	0
323	Printing and Related Support	30	16	0	*	13	*	0	0	*	0
324	Petroleum and Coal Products	3,634	93	4	8	529	4	34	1	3,052	90
324110	Petroleum Refineries	3,598	89	2	2	511	4	0	0	2,990	0
324121	Asphalt Paving Mixture and Block	21	1	2	6	10	*	0	0	2	0
324199	Other Petroleum and Coal Products	6	*	*	*	1	*	33	1	61	90
325	Chemicals	W	261	87	5	1,738	1,877	91	Q	377	W
325110	Petrochemicals	858	22	W	*	W	785	0	0	155	385
325120	Industrial Gases	W	24	0	*	119	*	0	0	1	W
325181	Alkalies and Chlorine	W	17	0	*	W	*	7	0	11	0
325182	Carbon Black	79	1	W	*	W	*	0	0	*	0
325188	Other Basic Inorganic Chemicals	124	69	*	*	32	*	1	Q	19	*
325192	Cyclic Crudes and Intermediates	W	6	*	*	12	*	0	0	W	0
325193	Ethyl Alcohol	41	3	0	*	38	*	0	0	*	0
325199	Other Basic Organic Chemicals	1,056	18	*	1	441	465	58	0	109	36
325211	Plastics Materials and Resins	927	52	Q	1	299	625	6	0	26	82
325212	Synthetic Rubber	34	4	0	*	18	2	2	0	8	0
325222	Noncellulosic Organic Fibers	41	9	*	*	15	*	3	0	W	W
325311	Nitrogenous Fertilizers	284	7	0	*	277	*	0	0	*	0
325312	Phosphatic Fertilizers	W	3	*	1	W	*	2	0	*	0
3254	Pharmaceuticals and Medicines	25	10	*	*	11	*	0	0	3	0
325412	Pharmaceutical Preparation	15	6	*	*	6	*	0	0	2	0
325992	Photographic Film, Paper, Plate, and Chemicals	1	1	0	*	1	*	0	0	*	0
326	Plastics and Rubber Products	124	65	*	1	49	Q	0	0	Q	0
327	Nonmetallic Mineral Products	296	48	*	11	125	1	84	2	24	0
327121	Brick and Structural Clay Tile	13	1	*	*	10	*	1	0	1	0
327211	Flat Glass	18	2	0	*	15	*	0	0	*	0
327212	Other Pressed and Blown Glass and Glassware	18	5	0	*	13	*	0	0	Q	0
327213	Glass Containers	20	4	0	*	16	*	0	0	*	0
327215	Glass Products from Purchased Glass	5	3	0	*	2	*	0	0	*	0
327310	Cements	99	13	*	1	9	*	55	1	19	0
327410	Lime	37	2	0	4	1	*	29	1	*	0
327420	Gypsum	20	2	0	*	18	*	0	0	*	0
327993	Mineral Wool	13	4	0	*	9	*	0	*	*	0
331	Primary Metals	W	155	*	4	176	1	79	121	31	W
331111	Iron and Steel Mills	W	76	*	2	84	*	72	116	W	W
331112	Electrometallurgical Ferroalloy Products	9	5	0	*	*	0	4	*	*	0
3312	Steel Products from Purchased Steel	16	10	0	*	6	*	*	0	*	0
3313	Alumina and Aluminum	W	44	0	1	63	*	0	0	W	*
331314	Secondary Smelting and Alloying of Aluminum	6	1	0	*	5	*	0	0	*	0
331315	Aluminum Sheet, Plate and Foils	29	7	0	*	22	*	0	0	*	*
331316	Aluminum Extruded Products	7	1	0	*	5	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	48	12	0	*	12	*	2	1	21	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	29	7	0	*	*	*	2	0	21	0
3315	Foundries	25	9	0	*	11	*	*	4	*	0
331511	Iron Foundries	13	4	0	*	5	*	*	4	*	0
331521	Aluminum Die-Casting Foundries	4	1	0	*	3	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	3	*	0	*	2	*	0	0	*	0
332	Fabricated Metal Products	91	44	0	1	43	2	0	0	Q	0
333	Machinery	41	21	0	1	18	1	0	0	*	0
334	Computer and Electronic Products	43	34	0	*	8	*	0	0	1	0
334413	Semiconductors and Related Devices	15	11	0	*	4	*	0	0	1	0
335	Electrical Equip., Appliances, and Components	56	19	0	*	17	*	*	0	Q	Q
336	Transportation Equipment	75	39	1	1	30	1	1	0	2	0
336111	Automobiles	8	4	0	*	4	*	*	0	*	0
336112	Light Trucks and Utility Vehicles	14	5	0	*	8	*	0	0	*	0
3364	Aerospace Product and Parts	19	10	*	1	7	*	*	0	1	0
336411	Aircraft	7	4	*	*	3	*	0	0	*	0
337	Furniture and Related Products	16	7	0	*	5	*	*	0	Q	0
339	Miscellaneous	12	8	*	*	3	*	0	0	*	0
	Total	10,872	1,078	121	50	3,152	1,897	433	127	4,685	670
	West Census Region										

Released: March 2013

Next MECS will be fielded in 2015

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

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

NAICS Code(a)	Subsector and Industry	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)
311	Food	211	41	*	11	127	1	20	*	10	0
3112	Grain and Oilseed Milling	13	3	0	*	6	*	0	0	Q	0
311221	Wet Corn Milling	2	*	0	*	1	*	0	0	1	0
31131	Sugar Manufacturing	30	1	0	*	4	*	20	*	5	0
3114	Fruit and Vegetable Preserving and Specialty Foods	75	12	*	Q	57	*	0	0	1	0
3115	Dairy Products	38	11	0	*	26	*	0	0	*	0
3116	Animal Slaughtering and Processing	19	6	0	*	12	*	0	0	*	0
312	Beverage and Tobacco Products	20	8	0	*	9	1	0	0	2	0
3121	Beverages	20	8	0	*	9	1	0	0	2	0
3122	Tobacco	*	*	0	0	*	*	0	0	0	0
313	Textile Mills	3	1	*	*	2	*	0	0	*	0
314	Textile Product Mills	Q	Q	0	*	*	*	0	0	*	0
315	Apparel	*	*	0	0	*	0	0	0	0	0
316	Leather and Allied Products	*	*	0	0	*	*	0	0	0	0
321	Wood Products	87	10	*	Q	9	1	0	0	55	0
321113	Sawmills	56	4	0	Q	3	*	0	0	39	0
3212	Veneer, Plywood, and Engineered Woods	22	5	*	*	5	*	0	0	12	0
321219	Reconstituted Wood Products	8	2	0	*	2	*	0	0	3	0
3219	Other Wood Products	9	2	0	Q	1	*	0	0	4	0
322	Paper	230	44	2	1	59	1	16	0	107	0
322110	Pulp Mills	7	1	1	*	*	*	0	0	5	0
322121	Paper Mills, except Newsprint	74	8	*	*	26	*	0	0	40	0
322122	Newsprint Mills	41	20	*	*	2	*	13	0	6	0
322130	Paperboard Mills	97	12	*	1	26	*	3	0	56	0
323	Printing and Related Support	Q	Q	0	0	2	*	0	0	0	0
324	Petroleum and Coal Products	1,006	23	5	5	221	11	5	0	740	3
324110	Petroleum Refineries	988	22	5	4	209	10	0	0	738	0
324121	Asphalt Paving Mixture and Block	14	1	*	1	10	*	0	0	2	0
324199	Other Petroleum and Coal Products	2	*	0	*	*	*	5	0	*	3
325	Chemicals	144	31	0	1	55	*	48	3	8	1
325110	Petrochemicals	0	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	7	6	0	0	1	0	0	0	*	1
325181	Alkalies and Chlorine	58	6	0	*	18	*	32	0	2	0
325182	Carbon Black	*	*	0	*	*	*	0	0	*	0
325188	Other Basic Inorganic Chemicals	43	8	0	*	14	*	16	3	2	*
325192	Cyclic Crudes and Intermediates	*	*	0	*	*	*	0	0	*	0
325193	Ethyl Alcohol	10	1	0	*	7	*	0	0	2	0
325199	Other Basic Organic Chemicals	5	1	0	*	3	*	0	0	1	0
325211	Plastics Materials and Resins	2	1	0	*	1	*	0	0	*	0
325212	Synthetic Rubber	*	*	0	*	*	*	0	0	*	0
325222	Noncellulosic Organic Fibers	*	*	0	0	*	*	0	0	0	0
325311	Nitrogenous Fertilizers	2	1	0	*	1	*	0	0	*	0
325312	Phosphatic Fertilizers	4	1	0	*	3	*	0	0	*	0
3254	Pharmaceuticals and Medicines	8	3	0	*	4	*	0	0	*	0
325412	Pharmaceutical Preparation	4	2	0	*	2	*	0	0	*	0
325992	Photographic Film, Paper, Plate, and Chemicals	2	1	0	*	1	*	0	0	*	0
326	Plastics and Rubber Products	39	29	0	*	10	*	0	0	*	0
327	Nonmetallic Mineral Products	116	18	*	6	40	Q	44	*	6	0
327121	Brick and Structural Clay Tile	2	*	0	*	1	*	0	0	*	0
327211	Flat Glass	6	1	0	*	6	*	0	0	*	0
327212	Other Pressed and Blown Glass and Glassware	2	*	0	*	1	*	0	0	*	0
327213	Glass Containers	13	3	0	*	10	*	0	0	*	0
327215	Glass Products from Purchased Glass	1	1	0	*	*	*	0	0	*	0
327310	Cements	46	6	0	*	2	*	32	*	6	0
327410	Lime	14	1	0	*	*	*	13	0	*	0
327420	Gypsum	9	1	0	*	8	*	0	0	*	0
327993	Mineral Wool	4	2	0	*	3	*	0	0	*	0
331	Primary Metals	95	42	0	*	42	*	*	2	8	0
331111	Iron and Steel Mills	W	10	0	*	13	*	*	1	W	0
331112	Electrometallurgical Ferroalloy Products	*	*	0	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	1	*	0	*	*	*	0	0	*	0
3313	Alumina and Aluminum	W	17	0	*	7	*	0	0	W	0
331314	Secondary Smelting and Alloying of Aluminum	1	*	0	*	1	*	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	4	1	0	*	2	*	0	0	*	0
331316	Aluminum Extruded Products	W	W	0	*	W	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	32	12	0	*	18	*	0	*	Q	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	18	8	0	*	9	*	0	0	*	0
3315	Foundries	7	2	0	*	4	*	*	1	*	0
331511	Iron Foundries	2	*	0	*	1	*	*	1	*	0
331521	Aluminum Die-Casting Foundries	*	*	0	0	*	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	2	1	0	*	1	*	0	0	*	0

Released: March 2013

Next MECS will be fielded in 2015

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

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

NAICS Code(a)	Subsector and Industry	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)
332	Fabricated Metal Products	27	12	0	*	13	*	Q	0	Q	0
333	Machinery	6	4	0	*	Q	*	0	0	*	0
334	Computer and Electronic Products	52	33	0	*	19	*	0	0	*	0
334413	Semiconductors and Related Devices	30	17	0	*	12	*	0	0	*	0
335	Electrical Equip., Appliances, and Components	3	2	0	*	Q	*	0	0	*	0
336	Transportation Equipment	30	16	0	*	12	*	0	0	Q	0
336111	Automobiles	*	*	0	0	*	*	0	0	0	0
336112	Light Trucks and Utility Vehicles	*	*	0	0	*	0	0	0	0	0
3364	Aerospace Product and Parts	24	12	0	*	10	*	0	0	Q	0
336411	Aircraft	4	2	0	*	2	*	0	0	*	0
337	Furniture and Related Products	3	1	0	0	1	*	0	0	*	0
339	Miscellaneous	11	7	0	*	4	*	0	0	*	0
	Total	2,094	329	7	37	629	18	134	6	939	4

(a) The Bureau of the Census classifies establishments using the 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) Examples of Liquefied Petroleum Gases '(LPG)' are 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) For the petroleum refining industry only, the feedstocks and raw material inputs for the production of nonenergy products (i.e., asphalt, waxes, lubricants, and solvents) and feedstock consumption at adjoining petrochemical plants are included in the 'Other' column, regardless of type of energy. The remaining columns for the petroleum refining industry include only energy that was consumed for the production of heat and power. The 'Other' column also includes net steam and other energy that respondents indicated was used in the production of heat and power. Those inputs and feedstocks that were converted to other energy products (e.g., crude oil converted to residual and distillate fuel oils) are excluded.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

Notes: Totals may not equal sum of components because of independent rounding. 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; woodchips, bark, and woodwaste from wood purchased as a raw material input; and waste materials, such as wastepaper and packing materials. First use excludes quantities of energy

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Next MECS will be fielded in 2015

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

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

NAICS Code(a)	Subsector and Industry	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)

that are produced from other energy inputs and, therefore, avoids double counting.

Source: U.S.Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2010.

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Next MECS will be fielded in 2015

Table 1.3 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Energy Sources and Shipments;
Unit: Trillion Btu.

Economic Characteristic(a)	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)
Total United States										
Value of Shipments and Receipts (million dollars)										
Under 20	1,169	314	6	54	472	14	25	Q	302	19
20-49	1,046	297	19	24	385	24	98	9	197	8
50-99	1,141	305	W	13	478	W	139	10	193	42
100-249	1,947	411	56	11	947	26	183	11	361	59
250-499	2,136	391	16	11	659	78	322	51	700	91
500 and Over	8,633	720	W	21	2,784	W	561	293	2,880	570
Not Ascertained (i)	2,746	0	0	0	0	0	0	0	2,746	0
Total	18,817	2,437	170	135	5,725	2,057	1,328	374	7,381	788
Employment Size										
Under 50	1,308	305	19	47	670	92	31	1	209	66
50-99	1,225	247	W	19	548	42	95	W	292	66
100-249	3,008	526	40	26	1,118	515	350	53	522	142
250-499	3,542	515	18	19	1,090	705	316	13	1,091	225
500-999	3,810	493	W	12	1,187	307	150	W	1,784	190
1000 and Over	3,178	351	8	12	1,112	396	387	277	736	99
Not Ascertained (i)	2,746	0	0	0	0	0	0	0	2,746	0
Total	18,817	2,437	170	135	5,725	2,057	1,328	374	7,381	788
Northeast Census Region										
Value of Shipments and Receipts (million dollars)										
Under 20	212	49	3	11	67	2	2	*	78	0
20-49	173	34	9	8	43	10	9	*	64	4
50-99	155	40	6	2	63	1	16	4	24	1
100-249	182	44	7	2	75	1	15	1	39	1
250-499	201	35	1	1	74	1	24	3	62	0
500 and Over	395	51	4	2	120	7	119	*	157	66
Not Ascertained (i)	184	0	0	0	0	0	0	0	184	0
Total	1,502	254	29	26	443	20	185	8	608	71
Employment Size										
Under 50	168	38	7	15	55	10	1	*	42	0
50-99	135	30	2	3	54	4	5	*	38	1
100-249	290	69	7	3	97	1	25	4	86	3
250-499	200	42	5	1	64	4	13	1	71	1
500-999	364	43	7	2	101	1	24	3	182	0
1000 and Over	161	32	1	1	71	*	116	*	5	66
Not Ascertained (i)	184	0	0	0	0	0	0	0	184	0
Total	1,502	254	29	26	443	20	185	8	608	71
Midwest Census Region										
Value of Shipments and Receipts (million dollars)										
Under 20	353	100	*	8	169	4	7	Q	65	0
20-49	311	95	4	2	133	W	33	W	35	0
50-99	338	91	5	W	169	W	38	2	50	21
100-249	674	139	1	2	379	9	93	6	46	1

Released: March 2013

Next MECS will be fielded in 2015

Table 1.3 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Energy Sources and Shipments;
Unit: Trillion Btu.

Economic Characteristic(a)	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)
250-499	426	98	*	1	141	9	99	45	39	7
500 and Over	1,813	254	2	W	511	W	306	W	482	14
Not Ascertained (i)	443	0	0	0	0	0	0	0	443	0
Total	4,349	776	12	22	1,501	122	577	234	1,149	43
Employment Size										
Under 50	486	108	3	7	284	4	18	1	75	14
50-99	395	84	5	2	229	W	28	W	W	8
100-249	721	148	1	3	273	14	167	44	78	8
250-499	808	161	1	2	240	W	163	W	W	*
500-999	611	153	*	3	171	W	22	W	W	0
1000 and Over	895	123	1	6	306	W	178	W	W	14
Not Ascertained (i)	443	0	0	0	0	0	0	0	443	0
Total	4,349	776	12	22	1,501	122	577	234	1,149	43
South Census Region										
Value of Shipments and Receipts (million dollars)										
Under 20	462	114	2	14	182	4	11	*	150	16
20-49	377	119	7	9	132	W	29	W	73	3
50-99	455	132	W	W	173	W	46	3	86	20
100-249	900	170	46	5	417	15	55	2	249	58
250-499	1,246	191	14	6	365	68	157	1	529	84
500 and Over	5,544	353	W	W	1,883	W	135	W	1,712	490
Not Ascertained (i)	1,887	0	0	0	0	0	0	0	1,887	0
Total	10,872	1,078	121	50	3,152	1,897	433	127	4,685	670
Employment Size										
Under 50	499	111	7	13	254	75	5	*	83	49
50-99	552	101	W	4	209	W	42	W	W	57
100-249	1,658	240	29	13	635	494	101	3	273	131
250-499	2,017	235	8	9	635	W	112	W	W	224
500-999	2,358	227	W	6	762	W	81	W	W	190
1000 and Over	1,902	164	6	4	657	W	92	W	W	20
Not Ascertained (i)	1,887	0	0	0	0	0	0	0	1,887	0
Total	10,872	1,078	121	50	3,152	1,897	433	127	4,685	670
West Census Region										
Value of Shipments and Receipts (million dollars)										
Under 20	141	50	Q	21	53	4	6	*	9	3
20-49	185	50	*	Q	77	2	26	0	25	1
50-99	192	42	*	2	73	1	39	1	35	*
100-249	191	59	2	2	76	1	20	3	28	0
250-499	263	67	*	3	79	1	42	1	70	0
500 and Over	880	62	5	4	270	9	*	*	530	0
Not Ascertained (i)	242	0	0	0	0	0	0	0	242	0
Total	2,094	329	7	37	629	18	134	6	939	4
Employment Size										
Under 50	154	48	1	11	77	4	8	*	9	4
50-99	143	33	0	Q	56	1	20	0	23	0
100-249	339	69	3	6	113	5	56	1	84	0

Released: March 2013
Next MECS will be fielded in 2015

Table 1.3 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Energy Sources and Shipments;
Unit: Trillion Btu.

Economic Characteristic(a)	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)
250-499	517	77	4	7	151	5	27	4	241	0
500-999	478	70	*	1	152	1	23	0	231	0
1000 and Over	221	32	0	*	79	2	0	0	108	0
Not Ascertained (i)	242	0	0	0	0	0	0	0	242	0
Total	2,094	329	7	37	629	18	134	6	939	4

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

(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) Examples of Liquefied Petroleum Gases '(LPG)' are 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) The entry in the 'Not Ascertained' row and the 'Other' column consists of the feedstocks and raw material inputs that were consumed by petroleum refineries for the production of nonenergy products (i.e., asphalt, waxes, lubricants, and solvents), as well as feedstock consumption at adjoining petrochemical plants. That entry includes all of those inputs, regardless of type. Those inputs that were converted to other energy products by petroleum refineries (e.g., crude oil converted to residual and distillate fuel oils) are excluded. The quantities of energy consumed by petroleum refineries for the production of heat and power are included in the appropriate 'Value of Shipments and Receipts' or 'Employment Size' rows.

NF=No applicable RSE row/column factor.
* Estimate less than 0.5.
W=Withheld to avoid disclosing data for individual establishments.
Q=Withheld because Relative Standard Error is greater than 50 percent.
NA=Not available.
Notes: Totals may not equal sum of components because of independent rounding.
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.

Released: March 2013

Next MECS will be fielded in 2015

Table 1.3 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Energy Sources and Shipments;
Unit: Trillion Btu.

Economic Characteristic(a)	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)

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; woodchips, bark, and woodwaste 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.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2010, and the Bureau of the Census, data files for the '2010 Annual Survey of Manufacturers.'

Released: March 2013
Next MECS will be fielded in 2015

Table 1.5 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

Level: National Data;
Row: Energy Sources and Shipments, including Further Classification of 'Other' Energy Sources;
Column: First Use per Energy Sources and Shipments;
Unit: Trillion Btu.

Energy Source	Total First Use
	Total United States
Coal	1,328
Natural Gas	5,725
Net Electricity	2,437
Purchases	2,510
Transfers In	33
Onsite Generation from Noncombustible Renewable Energy	7
Sales and Transfers Offsite	113
Coke and Breeze	374
Residual Fuel Oil	170
Distillate Fuel Oil	135
Liquefied Petroleum Gases and Natural Gas Liquids	2,057
Other	7,381
Asphalt and Road Oil (a)	946
Lubricants (a)	386
Naphtha < 401 Degrees (a)	422
Other Oils ≥ 401 Degrees (a)	718
Special Naphthas (a)	82
Waxes (a)	28
Miscellaneous Nonfuel Products (a)	164
Kerosene	35
Motor Gasoline	8
Petroleum Coke	762
Still Gas/Waste Gas	1,413
Pulping Liquor or Black Liquor	824
Biomass Total	630
Agricultural Waste	44
Wood Harvested Directly from Trees	64
Wood Residues and Byproducts from Mill Processing	504
Wood-Related and Paper-Related Refuse	17
Net Steam/Hot Water	731
Miscellaneous	232
Shipments of Energy Sources Produced Onsite (b)	788
Total (c)	18,817

(a) These nonenergy products are produced from feedstocks and raw material inputs used by the petroleum refining industry. The energy content of these products is included in 'Other' to account for their production.

(b) '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

Table 1.5 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

Level: National Data;
Row: Energy Sources and Shipments, including Further Classification of 'Other' Energy Sources;
Column: First Use per Energy Sources and Shipments;
Unit: Trillion Btu.

Energy Source	Total First Use

double counting. In order to eliminate the double counting, the energy equivalent of the coke shipment must be subtracted from first use.

(c) '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.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

-- Estimation is not applicable. Energy source is not included in series.

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

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey.'

Released: March 2013
Next MECS will be fielded in 2015

Table 2.1 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

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

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(e) (trillion Btu)
	Total United States								
311	Food	10	*	*	4	Q	0	0	2
3112	Grain and Oilseed Milling	6	0	*	1	Q	0	0	2
311221	Wet Corn Milling	2	0	0	0	0	0	0	2
31131	Sugar Manufacturing	*	0	*	0	*	0	0	*
3114	Fruit and Vegetable Preserving and Specialty Foods	1	*	*	1	*	0	0	*
3115	Dairy Products	Q	0	*	*	*	0	0	*
3116	Animal Slaughtering and Processing	*	*	*	*	*	0	0	*
312	Beverage and Tobacco Products	*	*	*	*	*	0	0	*
3121	Beverages	*	*	*	*	*	0	0	*
3122	Tobacco	*	0	0	*	0	0	0	*
313	Textile Mills	*	0	0	*	*	0	0	*
314	Textile Product Mills	*	0	0	0	0	*	0	*
315	Apparel	0	0	0	0	0	0	0	0
316	Leather and Allied Products	*	0	0	0	*	0	0	*
321	Wood Products	3	*	*	1	*	0	0	*
321113	Sawmills	*	0	*	*	*	0	0	*
3212	Veneer, Plywood, and Engineered Woods	*	*	*	*	*	0	0	*
321219	Reconstituted Wood Products	*	0	*	*	0	0	0	*
3219	Other Wood Products	*	0	*	*	*	0	0	*
322	Paper	3	0	*	2	*	0	0	*
322110	Pulp Mills	*	0	*	0	*	0	0	*
322121	Paper Mills, except Newsprint	*	0	*	*	0	0	0	*
322122	Newsprint Mills	*	0	*	0	0	0	0	*
322130	Paperboard Mills	2	0	*	2	*	0	0	*
323	Printing and Related Support	Q	0	*	Q	*	0	0	*
324	Petroleum and Coal Products	2,955	*	*	*	*	5	2	2,800
324110	Petroleum Refineries	2,746	0	0	0	0	0	0	2,746
324121	Asphalt Paving Mixture and Block	Q	*	*	*	*	0	0	Q
324199	Other Petroleum and Coal Products	204	*	*	0	0	5	2	51
325	Chemicals	2,665	14	*	459	567	1	*	96
325110	Petrochemicals	832	W	*	W	230	0	0	15
325120	Industrial Gases	99	0	0	96	*	0	0	*
325181	Alkalies and Chlorine	1	0	*	0	*	*	0	1
325182	Carbon Black	76	W	*	W	0	0	0	*
325188	Other Basic Inorganic Chemicals	28	0	*	15	*	*	*	7
325192	Cyclic Crudes and Intermediates	W	0	0	1	W	0	0	3
325193	Ethyl Alcohol	3	0	*	1	*	0	0	2
325199	Other Basic Organic Chemicals	642	0	*	92	133	1	0	54
325211	Plastics Materials and Resins	682	0	*	13	190	0	*	1
325212	Synthetic Rubber	2	0	0	*	*	0	0	*
325222	Noncellulosic Organic Fibers	9	0	0	5	0	0	0	4
325311	Nitrogenous Fertilizers	204	0	0	196	0	0	0	2
325312	Phosphatic Fertilizers	W	*	*	W	0	0	0	*
3254	Pharmaceuticals and Medicines	*	0	*	*	0	0	0	*
325412	Pharmaceutical Preparation	*	0	*	*	0	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	*	*	0	0	0	*
326	Plastics and Rubber Products	Q	0	*	Q	Q	0	0	*
327	Nonmetallic Mineral Products	7	*	*	*	*	*	0	6
327121	Brick and Structural Clay Tile	*	0	*	*	0	*	0	*
327211	Flat Glass	5	0	*	0	*	*	0	5
327212	Other Pressed and Blown Glass and Glassware	*	0	0	*	*	0	0	*
327213	Glass Containers	*	0	*	0	0	0	0	*
327215	Glass Products from Purchased Glass	*	0	*	*	*	0	0	*
327310	Cements	1	*	*	*	*	0	0	1
327410	Lime	*	0	0	0	0	0	0	*
327420	Gypsum	*	0	*	0	0	0	0	*
327993	Mineral Wool	*	0	*	0	*	0	0	*
331	Primary Metals	420	*	*	28	*	15	1	34
331111	Iron and Steel Mills	373	0	*	19	*	15	1	12

Released: March 2013
Next MECS will be fielded in 2015

Table 2.1 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

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

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(e) (trillion Btu)
331112	Electrometallurgical Ferroalloy Products	8	0	*	*	*	*	*	*
3312	Steel Products from Purchased Steel	4	0	*	1	*	*	*	3
3313	Alumina and Aluminum	W	0	0	6	*	0	0	W
331314	Secondary Smelting and Alloying of Aluminum	*	0	0	*	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	*	0	0	*	0	0	0	*
331316	Aluminum Extruded Products	1	0	0	1	0	0	0	*
3314	Nonferrous Metals, except Aluminum	W	0	*	1	*	*	*	W
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	2	0	0	*	*	*	0	*
3315	Foundries	3	*	*	1	*	*	*	*
331511	Iron Foundries	3	0	*	*	*	*	*	*
331521	Aluminum Die-Casting Foundries	*	0	0	*	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	*	*	*	*	*	0	0	*
332	Fabricated Metal Products	Q	0	*	Q	*	*	*	*
333	Machinery	1	0	*	*	*	0	0	*
334	Computer and Electronic Products	1	0	0	*	*	0	0	1
334413	Semiconductors and Related Devices	1	0	0	0	*	0	0	1
335	Electrical Equip., Appliances, and Components	Q	0	*	*	*	*	*	Q
336	Transportation Equipment	4	0	*	2	*	*	0	1
336111	Automobiles	*	0	*	0	*	0	0	*
336112	Light Trucks and Utility Vehicles	*	0	*	*	*	0	0	*
3364	Aerospace Product and Parts	2	0	*	1	*	0	0	Q
336411	Aircraft	*	0	0	0	*	0	0	*
337	Furniture and Related Products	Q	0	*	0	*	0	0	Q
339	Miscellaneous	*	0	0	*	*	0	0	*
	Total	6,104	15	1	499	569	21	3	2,970
	Northeast Census Region								
311	Food	*	*	*	0	*	0	0	*
3112	Grain and Oilseed Milling	*	0	0	0	0	0	0	*
311221	Wet Corn Milling	0	0	0	0	0	0	0	0
31131	Sugar Manufacturing	0	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	*	*	0	0	0	0	0	*
3115	Dairy Products	*	0	*	0	*	0	0	*
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	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
321	Wood Products	*	*	0	*	*	0	0	*
321113	Sawmills	*	0	*	0	*	0	0	*
3212	Veneer, Plywood, and Engineered Woods	*	0	*	0	*	0	0	*
321219	Reconstituted Wood Products	0	0	0	0	0	0	0	0
3219	Other Wood Products	*	0	0	0	*	0	0	*
322	Paper	*	0	*	0	*	0	0	*
322110	Pulp Mills	*	0	0	0	*	0	0	0
322121	Paper Mills, except Newsprint	*	0	*	0	0	0	0	*
322122	Newsprint Mills	*	0	*	0	0	0	0	*
322130	Paperboard Mills	*	0	0	0	0	0	0	*
323	Printing and Related Support	*	0	*	0	0	0	0	*
324	Petroleum and Coal Products	185	0	*	*	*	0	*	184
324110	Petroleum Refineries	184	0	0	0	0	0	0	184
324121	Asphalt Paving Mixture and Block	Q	0	*	0	*	0	0	*
324199	Other Petroleum and Coal Products	*	0	0	0	0	0	*	0
325	Chemicals	9	0	*	*	2	0	*	*
325110	Petrochemicals	0	0	0	0	0	0	0	0
325120	Industrial Gases	*	0	0	*	0	0	0	*
325181	Alkalies and Chlorine	*	0	0	0	0	0	0	*

Released: March 2013
Next MECS will be fielded in 2015

Table 2.1 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

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

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(e) (trillion Btu)
325182	Carbon Black	0	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	*	0	0	*	0	0	0	*
325192	Cyclic Crudes and Intermediates	0	0	0	0	0	0	0	0
325193	Ethyl Alcohol	*	0	0	0	*	0	0	0
325199	Other Basic Organic Chemicals	W	0	*	0	W	0	0	*
325211	Plastics Materials and Resins	W	0	0	*	W	0	0	*
325212	Synthetic Rubber	0	0	0	0	0	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	0	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	*	0	0	0	0	0	0	*
3254	Pharmaceuticals and Medicines	*	0	0	*	0	0	0	*
325412	Pharmaceutical Preparation	*	0	0	*	0	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	0	*	0	0	0	0
326	Plastics and Rubber Products	*	0	0	*	0	0	0	0
327	Nonmetallic Mineral Products	5	*	*	*	*	*	0	5
327121	Brick and Structural Clay Tile	0	0	0	0	0	0	0	0
327211	Flat Glass	5	0	0	0	0	*	0	5
327212	Other Pressed and Blown Glass and Glassware	*	0	0	0	0	0	0	*
327213	Glass Containers	*	0	*	0	0	0	0	*
327215	Glass Products from Purchased Glass	*	0	0	*	0	0	0	*
327310	Cements	*	*	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	132	*	*	2	*	5	*	13
331111	Iron and Steel Mills	120	0	0	2	*	5	*	5
331112	Electrometallurgical Ferroalloy Products	1	0	0	0	*	*	*	*
3312	Steel Products from Purchased Steel	3	0	0	*	0	0	0	3
3313	Alumina and Aluminum	*	0	0	*	0	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	*	0	0	*	0	0	0	*
331315	Aluminum Sheet, Plate and Foils	*	0	0	0	0	0	0	*
331316	Aluminum Extruded Products	*	0	0	0	0	0	0	*
3314	Nonferrous Metals, except Aluminum	8	0	*	*	*	*	*	6
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	*	0	0	*	0	*	0	*
3315	Foundries	1	*	*	*	*	*	*	*
331511	Iron Foundries	*	0	0	*	*	*	*	*
331521	Aluminum Die-Casting Foundries	*	0	0	*	0	0	0	*
331524	Aluminum Foundries, except Die-Casting	*	*	*	0	*	0	0	*
332	Fabricated Metal Products	*	0	*	*	0	0	0	*
333	Machinery	*	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	1	0	*	*	0	0	*	1
336	Transportation Equipment	*	0	*	*	*	*	0	*
336111	Automobiles	*	0	0	0	0	0	0	*
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	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	*
	Total	333	*	*	3	2	5	*	204
	Midwest Census Region								
311	Food	7	*	*	2	Q	0	0	2
3112	Grain and Oilseed Milling	6	0	0	1	Q	0	0	2
311221	Wet Corn Milling	2	0	0	0	0	0	0	2
31131	Sugar Manufacturing	*	0	0	0	0	0	0	*
3114	Fruit and Vegetable Preserving and Specialty Foods	*	0	*	0	0	0	0	*
3115	Dairy Products	Q	0	*	*	*	0	0	*
3116	Animal Slaughtering and Processing	*	*	*	*	0	0	0	*

Released: March 2013
Next MECS will be fielded in 2015

Table 2.1 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

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

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(e) (trillion Btu)
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	*
314	Textile Product Mills	*	0	0	0	0	0	0	*
315	Apparel	0	0	0	0	0	0	0	0
316	Leather and Allied Products	*	0	0	0	0	0	0	*
321	Wood Products	*	0	*	*	*	0	0	*
321113	Sawmills	*	0	*	*	0	0	0	*
3212	Veneer, Plywood, and Engineered Woods	*	0	0	0	0	0	0	*
321219	Reconstituted Wood Products	*	0	0	0	0	0	0	*
3219	Other Wood Products	*	0	0	*	*	0	0	*
322	Paper	*	0	*	0	0	0	0	*
322110	Pulp Mills	*	0	*	0	0	0	0	0
322121	Paper Mills, except Newsprint	*	0	0	0	0	0	0	*
322122	Newsprint Mills	*	0	0	0	0	0	0	*
322130	Paperboard Mills	*	0	0	0	0	0	0	*
323	Printing and Related Support	Q	0	0	Q	*	0	0	*
324	Petroleum and Coal Products	565	*	*	*	*	4	2	445
324110	Petroleum Refineries	433	0	0	0	0	0	0	433
324121	Asphalt Paving Mixture and Block	Q	*	*	*	*	0	0	Q
324199	Other Petroleum and Coal Products	128	0	*	0	0	4	2	10
325	Chemicals	168	1	*	49	28	*	*	7
325110	Petrochemicals	*	0	0	0	*	0	0	0
325120	Industrial Gases	4	0	0	4	0	0	0	0
325181	Alkalies and Chlorine	*	0	*	0	0	0	0	*
325182	Carbon Black	8	1	0	1	0	0	0	*
325188	Other Basic Inorganic Chemicals	1	0	*	*	0	0	0	1
325192	Cyclic Crudes and Intermediates	W	0	0	0	W	0	0	*
325193	Ethyl Alcohol	2	0	*	0	*	0	0	1
325199	Other Basic Organic Chemicals	W	0	*	*	W	0	0	*
325211	Plastics Materials and Resins	W	0	*	*	W	0	*	*
325212	Synthetic Rubber	*	0	0	*	0	0	0	*
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	43	0	0	40	0	0	0	2
325312	Phosphatic Fertilizers	*	0	0	0	0	0	0	*
3254	Pharmaceuticals and Medicines	*	0	0	*	0	0	0	*
325412	Pharmaceutical Preparation	*	0	0	*	0	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	0	0	0	0	0	*
326	Plastics and Rubber Products	*	0	0	*	*	0	0	*
327	Nonmetallic Mineral Products	*	0	*	*	*	*	0	*
327121	Brick and Structural Clay Tile	*	0	*	0	0	*	0	0
327211	Flat Glass	*	0	*	0	0	0	0	*
327212	Other Pressed and Blown Glass and Glassware	*	0	0	*	*	0	0	*
327213	Glass Containers	*	0	0	0	0	0	0	*
327215	Glass Products from Purchased Glass	*	0	0	*	*	0	0	*
327310	Cements	*	0	0	0	0	0	0	*
327410	Lime	*	0	0	0	0	0	0	*
327420	Gypsum	*	0	0	0	0	0	0	*
327993	Mineral Wool	*	0	0	0	0	0	0	*
331	Primary Metals	181	0	*	11	*	7	1	8
331111	Iron and Steel Mills	169	0	*	8	*	6	1	4
331112	Electrometallurgical Ferroalloy Products	3	0	*	*	0	*	*	0
3312	Steel Products from Purchased Steel	1	0	*	*	0	0	*	*
3313	Alumina and Aluminum	4	0	0	1	*	0	0	3
331314	Secondary Smelting and Alloying of Aluminum	*	0	0	0	0	0	0	*
331315	Aluminum Sheet, Plate and Foils	*	0	0	*	0	0	0	*
331316	Aluminum Extruded Products	1	0	0	1	0	0	0	*
3314	Nonferrous Metals, except Aluminum	2	0	0	*	*	0	*	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	*	0	0	0	0	0	0	*
3315	Foundries	2	0	*	1	*	*	*	*
331511	Iron Foundries	2	0	*	*	0	*	*	*

Released: March 2013
Next MECS will be fielded in 2015

Table 2.1 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

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

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(e) (trillion Btu)
331521	Aluminum Die-Casting Foundries	*	0	0	0	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	*	0	0	*	*	0	0	*
332	Fabricated Metal Products	Q	0	0	*	*	*	*	*
333	Machinery	*	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	*
336	Transportation Equipment	3	0	*	Q	*	0	0	*
336111	Automobiles	*	0	*	0	*	0	0	*
336112	Light Trucks and Utility Vehicles	*	0	0	*	0	0	0	*
3364	Aerospace Product and Parts	*	0	*	*	*	0	0	*
336411	Aircraft	*	0	0	0	0	0	0	*
337	Furniture and Related Products	Q	0	*	0	0	0	0	Q
339	Miscellaneous	*	0	0	*	*	0	0	0
	Total	927	1	*	66	29	10	2	463
	South Census Region								
311	Food	Q	0	*	Q	*	0	0	*
3112	Grain and Oilseed Milling	*	0	*	*	0	0	0	*
311221	Wet Corn Milling	*	0	0	0	0	0	0	*
31131	Sugar Manufacturing	*	0	*	0	*	0	0	*
3114	Fruit and Vegetable Preserving and Specialty Foods	*	0	0	0	*	0	0	*
3115	Dairy Products	*	0	*	*	*	0	0	*
3116	Animal Slaughtering and Processing	*	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	*
313	Textile Mills	*	0	0	*	*	0	0	*
314	Textile Product Mills	*	0	0	0	0	*	0	0
315	Apparel	0	0	0	0	0	0	0	0
316	Leather and Allied Products	*	0	0	0	0	0	0	*
321	Wood Products	2	*	*	*	*	0	0	*
321113	Sawmills	*	0	*	*	0	0	0	*
3212	Veneer, Plywood, and Engineered Woods	*	0	*	*	0	0	0	*
321219	Reconstituted Wood Products	*	0	*	*	0	0	0	*
3219	Other Wood Products	*	0	*	*	*	0	0	*
322	Paper	1	0	0	*	*	0	0	*
322110	Pulp Mills	*	0	0	0	0	0	0	*
322121	Paper Mills, except Newsprint	*	0	0	*	0	0	0	*
322122	Newsprint Mills	0	0	0	0	0	0	0	0
322130	Paperboard Mills	*	0	0	0	0	0	0	*
323	Printing and Related Support	*	0	0	0	0	0	0	*
324	Petroleum and Coal Products	1,963	*	*	0	*	1	*	1,929
324110	Petroleum Refineries	1,887	0	0	0	0	0	0	1,887
324121	Asphalt Paving Mixture and Block	1	0	*	0	*	0	0	*
324199	Other Petroleum and Coal Products	76	*	*	0	0	1	*	41
325	Chemicals	2,472	13	*	399	537	1	*	86
325110	Petrochemicals	832	W	*	W	230	0	0	15
325120	Industrial Gases	94	0	0	91	*	0	0	*
325181	Alkalies and Chlorine	*	0	0	0	*	*	0	*
325182	Carbon Black	68	W	*	W	0	0	0	*
325188	Other Basic Inorganic Chemicals	13	0	*	6	*	*	*	4
325192	Cyclic Crudes and Intermediates	4	0	0	1	0	0	0	3
325193	Ethyl Alcohol	*	0	0	0	0	0	0	*
325199	Other Basic Organic Chemicals	627	0	*	92	129	1	0	54
325211	Plastics Materials and Resins	637	0	*	12	178	0	0	*
325212	Synthetic Rubber	2	0	0	*	*	0	0	*
325222	Noncellulosic Organic Fibers	9	0	0	5	0	0	0	4
325311	Nitrogenous Fertilizers	161	0	0	157	0	0	0	*
325312	Phosphatic Fertilizers	W	*	*	W	0	0	0	*

Released: March 2013
Next MECS will be fielded in 2015

Table 2.1 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

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

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(e) (trillion Btu)
3254	Pharmaceuticals and Medicines	*	0	*	*	0	0	0	*
325412	Pharmaceutical Preparation	*	0	*	0	0	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	*	0	0	0	0	0
326	Plastics and Rubber Products	Q	0	*	*	Q	0	0	*
327	Nonmetallic Mineral Products	2	0	*	*	*	*	0	1
327121	Brick and Structural Clay Tile	*	0	*	*	0	0	0	*
327211	Flat Glass	*	0	0	0	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	*	0	0	0	*	0	0	*
327213	Glass Containers	*	0	0	0	0	0	0	*
327215	Glass Products from Purchased Glass	*	0	*	*	0	0	0	*
327310	Cements	1	0	0	0	0	0	0	1
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	*
331	Primary Metals	97	0	*	14	*	3	*	6
331111	Iron and Steel Mills	79	0	0	9	*	3	*	*
331112	Electrometallurgical Ferroalloy Products	4	0	0	0	0	*	*	*
3312	Steel Products from Purchased Steel	*	0	*	*	*	*	0	*
3313	Alumina and Aluminum	11	0	0	5	*	0	0	6
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	*
331316	Aluminum Extruded Products	*	0	0	*	0	0	0	*
3314	Nonferrous Metals, except Aluminum	2	0	0	0	0	*	0	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	2	0	0	0	0	*	0	0
3315	Foundries	*	0	0	*	*	*	*	*
331511	Iron Foundries	*	0	0	0	0	*	*	*
331521	Aluminum Die-Casting Foundries	*	0	0	*	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	0	0	*	0	0	0	*
332	Fabricated Metal Products	*	0	0	*	*	0	0	*
333	Machinery	*	0	*	*	*	0	0	*
334	Computer and Electronic Products	1	0	0	0	*	0	0	1
334413	Semiconductors and Related Devices	1	0	0	0	*	0	0	1
335	Electrical Equip., Appliances, and Components	Q	0	*	0	0	*	0	Q
336	Transportation Equipment	1	0	*	*	*	0	0	*
336111	Automobiles	*	0	0	0	*	0	0	0
336112	Light Trucks and Utility Vehicles	*	0	*	*	*	0	0	*
3364	Aerospace Product and Parts	*	0	0	*	*	0	0	*
336411	Aircraft	*	0	0	0	0	0	0	*
337	Furniture and Related Products	*	0	0	0	*	0	0	*
339	Miscellaneous	*	0	0	*	*	0	0	*
	Total	4,572	13	*	416	538	5	*	2,050
	West Census Region								
311	Food	1	0	0	1	*	0	0	*
3112	Grain and Oilseed Milling	*	0	0	*	*	0	0	*
311221	Wet Corn Milling	*	0	0	0	0	0	0	*
31131	Sugar Manufacturing	0	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	1	0	0	1	0	0	0	*
3115	Dairy Products	0	0	0	0	0	0	0	0
3116	Animal Slaughtering and Processing	*	0	0	0	*	0	0	*
312	Beverage and Tobacco Products	*	0	*	*	*	0	0	*
3121	Beverages	*	0	*	*	*	0	0	*
3122	Tobacco	*	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
316	Leather and Allied Products	0	0	0	0	0	0	0	0
321	Wood Products	*	*	*	*	*	0	0	*
321113	Sawmills	*	0	0	*	0	0	0	*
3212	Veneer, Plywood, and Engineered Woods	*	*	*	*	*	0	0	*

Released: March 2013
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Table 2.1 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
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NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(e) (trillion Btu)
321219	Reconstituted Wood Products	*	0	0	0	0	0	0	*
3219	Other Wood Products	*	0	*	0	0	0	0	*
322	Paper	2	0	*	2	*	0	0	*
322110	Pulp Mills	0	0	0	0	0	0	0	0
322121	Paper Mills, except Newsprint	*	0	*	0	0	0	0	*
322122	Newsprint Mills	*	0	0	0	0	0	0	*
322130	Paperboard Mills	2	0	*	2	*	0	0	0
323	Printing and Related Support	0	0	0	0	0	0	0	0
324	Petroleum and Coal Products	242	0	*	*	*	0	0	242
324110	Petroleum Refineries	242	0	0	0	0	0	0	242
324121	Asphalt Paving Mixture and Block	*	0	*	*	*	0	0	*
324199	Other Petroleum and Coal Products	0	0	0	0	0	0	0	0
325	Chemicals	16	0	0	10	*	0	*	2
325110	Petrochemicals	0	0	0	0	0	0	0	0
325120	Industrial Gases	1	0	0	1	0	0	0	*
325181	Alkalies and Chlorine	*	0	0	0	*	0	0	*
325182	Carbon Black	0	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	13	0	0	8	0	0	*	2
325192	Cyclic Crudes and Intermediates	0	0	0	0	0	0	0	0
325193	Ethyl Alcohol	1	0	0	1	0	0	0	1
325199	Other Basic Organic Chemicals	*	0	0	*	0	0	0	*
325211	Plastics Materials and Resins	*	0	0	0	0	0	0	*
325212	Synthetic Rubber	*	0	0	0	0	0	0	*
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	*	0	0	0	0	0	0	*
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	0	0	0	0	0	0	0	0
325412	Pharmaceutical Preparation	0	0	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	0	*	0	0	0	*
326	Plastics and Rubber Products	*	0	0	0	*	0	0	*
327	Nonmetallic Mineral Products	*	0	*	*	*	0	0	*
327121	Brick and Structural Clay Tile	0	0	0	0	0	0	0	0
327211	Flat Glass	*	0	0	0	0	0	0	*
327212	Other Pressed and Blown Glass and Glassware	*	0	0	0	0	0	0	*
327213	Glass Containers	*	0	0	0	0	0	0	*
327215	Glass Products from Purchased Glass	*	0	0	*	0	0	0	*
327310	Cements	*	0	*	*	*	0	0	*
327410	Lime	*	0	0	0	0	0	0	*
327420	Gypsum	*	0	*	0	0	0	0	*
327993	Mineral Wool	*	0	*	0	0	0	0	0
331	Primary Metals	9	0	*	*	*	*	*	8
331111	Iron and Steel Mills	5	0	*	0	0	*	*	3
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	*	0	0	*	*	0	0	*
3313	Alumina and Aluminum	W	0	0	*	*	0	0	W
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
331316	Aluminum Extruded Products	0	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	W	0	*	*	*	0	*	W
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	*	0	0	0	*	0	0	*
3315	Foundries	*	0	*	0	0	*	0	*
331511	Iron Foundries	*	0	*	0	0	*	0	*
331521	Aluminum Die-Casting Foundries	*	0	0	0	0	0	0	*
331524	Aluminum Foundries, except Die-Casting	*	0	0	0	0	0	0	*
332	Fabricated Metal Products	*	0	0	0	0	0	0	*
333	Machinery	*	0	0	*	*	0	0	*
334	Computer and Electronic Products	*	0	0	*	0	0	0	*
334413	Semiconductors and Related Devices	*	0	0	0	0	0	0	*
335	Electrical Equip., Appliances, and Components	*	0	0	0	0	0	0	*
336	Transportation Equipment	Q	0	0	*	*	0	0	Q
336111	Automobiles	0	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0

Released: March 2013
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Table 2.1 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

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Row: NAICS Codes; Column: Energy Sources;
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NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(e) (trillion Btu)
3364	Aerospace Product and Parts	Q	0	0	*	*	0	0	Q
336411	Aircraft	*	0	0	0	*	0	0	0
337	Furniture and Related Products	0	0	0	0	0	0	0	0
339	Miscellaneous	*	0	0	*	0	0	0	*
	Total	272	*	*	14	*	*	*	253

(a) The Bureau of the Census classifies establishments using the North American Industry Classification System (NAICS).
(b) 'Distillate Fuel Oil' includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.
(c) '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.
(d) Examples of Liquefied Petroleum Gases '(LPG)' are 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).'
(e) 'Other' includes energy that respondents indicated was used as feedstock/raw material inputs. See also Footnote 'f'.
(f) For the petroleum refining industry only (NAICS 324110), the feedstocks and raw material inputs for the production of nonenergy products (i.e., asphalt, waxes, lubricants, and solvents) and feedstock consumption at adjoining petrochemical plants are included in the 'Other' column, regardless of type of energy. Those inputs and feedstocks that were converted to other energy products (e.g., crude oil converted to residual and distillate fuel oils) are excluded.
NF=No applicable RSE row/column factor.
* Estimate less than 0.5.
W=Withheld to avoid disclosing data for individual establishments.
Q=Withheld because Relative Standard Error is greater than 50 percent.
NA=Not available.
Notes: Totals may not equal sum of components because of independent rounding. The derived estimates presented in this table are for the first use (formerly primary consumption) of energy 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; woodchips, bark, and woodwaste 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.
Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2010.

Released: March 2013
Next MECS will be fielded in 2015

Table 2.2 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Residual Fuel Oil	Distillate Fuel Oil(b)	Natural Gas(c)	LPG and NGL(d)	Coal	Coke and Breeze	Other(e)
	Total United States								
311	Food	10	*	1	4	Q	0	0	2
3112	Grain and Oilseed Milling	6	0	*	1	Q	0	0	2
311221	Wet Corn Milling	2	0	0	0	0	0	0	2
31131	Sugar Manufacturing	*	0	*	0	*	0	0	*
3114	Fruit and Vegetable Preserving and Specialty Foods	1	*	*	1	*	0	0	*
3115	Dairy Products	Q	0	*	*	*	0	0	*
3116	Animal Slaughtering and Processing	*	*	*	*	*	0	0	*
312	Beverage and Tobacco Products	*	*	*	*	*	0	0	*
3121	Beverages	*	*	*	*	*	0	0	*
3122	Tobacco	*	0	0	*	0	0	0	*
313	Textile Mills	*	0	0	*	*	0	0	*
314	Textile Product Mills	*	0	0	0	0	*	0	*
315	Apparel	0	0	0	0	0	0	0	0
316	Leather and Allied Products	*	0	0	0	*	0	0	*
321	Wood Products	3	Q	1	1	*	0	0	*
321113	Sawmills	*	0	*	*	*	0	0	*
3212	Veneer, Plywood, and Engineered Woods	*	*	*	*	*	0	0	*
321219	Reconstituted Wood Products	*	0	*	*	0	0	0	*
3219	Other Wood Products	*	0	*	*	*	0	0	*
322	Paper	3	0	*	2	*	0	0	*
322110	Pulp Mills	*	0	*	0	*	0	0	*
322121	Paper Mills, except Newsprint	*	0	*	*	0	0	0	*
322122	Newsprint Mills	*	0	*	0	0	0	0	*
322130	Paperboard Mills	2	0	*	2	*	0	0	*
323	Printing and Related Support	Q	0	*	Q	*	0	0	*
324	Petroleum and Coal Products	2,955	*	2	*	*	111	41	2,800
324110	Petroleum Refineries	2,746	0	0	0	0	0	0	2,746
324121	Asphalt Paving Mixture and Block	Q	*	1	*	*	0	0	Q
324199	Other Petroleum and Coal Products	204	*	*	0	0	111	41	51
325	Chemicals	2,665	91	1	472	1,982	14	9	96
325110	Petrochemicals	832	W	*	W	784	0	0	15
325120	Industrial Gases	99	0	0	99	*	0	0	*
325181	Alkalies and Chlorine	1	0	*	0	*	*	0	1
325182	Carbon Black	76	W	*	W	0	0	0	*
325188	Other Basic Inorganic Chemicals	28	0	*	15	*	*	6	7
325192	Cyclic Crudes and Intermediates	W	0	0	1	W	0	0	3
325193	Ethyl Alcohol	3	0	*	1	*	0	0	2
325199	Other Basic Organic Chemicals	642	0	*	95	479	14	0	54
325211	Plastics Materials and Resins	682	0	*	13	669	0	*	1
325212	Synthetic Rubber	2	0	0	*	2	0	0	*
325222	Noncellulosic Organic Fibers	9	0	0	5	0	0	0	4
325311	Nitrogenous Fertilizers	204	0	0	202	0	0	0	2
325312	Phosphatic Fertilizers	W	*	*	W	0	0	0	*
3254	Pharmaceuticals and Medicines	*	0	*	*	0	0	0	*
325412	Pharmaceutical Preparation	*	0	*	*	0	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	*	*	0	0	0	*
326	Plastics and Rubber Products	Q	0	*	Q	Q	0	0	*
327	Nonmetallic Mineral Products	7	*	*	*	*	*	0	6
327121	Brick and Structural Clay Tile	*	0	*	*	0	*	0	*
327211	Flat Glass	5	0	*	0	*	*	0	5
327212	Other Pressed and Blown Glass and Glassware	*	0	0	*	*	0	0	*
327213	Glass Containers	*	0	*	0	0	0	0	*
327215	Glass Products from Purchased Glass	*	0	*	*	*	0	0	*
327310	Cements	1	*	*	*	*	0	0	1
327410	Lime	*	0	0	0	0	0	0	*
327420	Gypsum	*	0	*	0	0	0	0	*
327993	Mineral Wool	*	0	*	0	*	0	0	*
331	Primary Metals	420	*	*	28	*	334	23	34
331111	Iron and Steel Mills	373	0	*	20	*	324	17	12
331112	Electrometallurgical Ferroalloy Products	8	0	*	*	*	7	1	*

Released: March 2013
Next MECS will be fielded in 2015

Table 2.2 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Residual Fuel Oil	Distillate Fuel Oil(b)	Natural Gas(c)	LPG and NGL(d)	Coal	Coke and Breeze	Other(e)
3312	Steel Products from Purchased Steel	4	0	*	1	*	*	*	3
3313	Alumina and Aluminum	W	0	0	6	*	0	0	W
331314	Secondary Smelting and Alloying of Aluminum	*	0	0	*	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	*	0	0	*	0	0	0	*
331316	Aluminum Extruded Products	1	0	0	1	0	0	0	*
3314	Nonferrous Metals, except Aluminum	W	0	*	1	*	2	3	W
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminun	2	0	0	*	*	2	0	*
3315	Foundries	3	*	*	1	*	1	2	*
331511	Iron Foundries	3	0	*	*	*	1	2	*
331521	Aluminum Die-Casting Foundries	*	0	0	*	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	*	*	*	*	*	0	0	*
332	Fabricated Metal Products	Q	0	*	Q	*	Q	*	*
333	Machinery	1	0	*	*	*	0	0	*
334	Computer and Electronic Products	1	0	0	*	*	0	0	1
334413	Semiconductors and Related Devices	1	0	0	0	*	0	0	1
335	Electrical Equip., Appliances, and Components	Q	0	*	*	*	*	*	Q
336	Transportation Equipment	4	0	*	2	*	*	0	1
336111	Automobiles	*	0	*	0	*	0	0	*
336112	Light Trucks and Utility Vehicles	*	0	*	*	*	0	0	*
3364	Aerospace Product and Parts	2	0	*	1	*	0	0	Q
336411	Aircraft	*	0	0	0	*	0	0	*
337	Furniture and Related Products	Q	0	*	0	*	0	0	Q
339	Miscellaneous	*	0	0	*	*	0	0	*
	Total	6,104	92	6	514	1,989	460	74	2,970
	Northeast Census Region								
311	Food	*	*	*	0	*	0	0	*
3112	Grain and Oilseed Milling	*	0	0	0	0	0	0	*
311221	Wet Corn Milling	0	0	0	0	0	0	0	0
31131	Sugar Manufacturing	0	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	*	*	0	0	0	0	0	*
3115	Dairy Products	*	0	*	0	*	0	0	*
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	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
321	Wood Products	*	0	*	0	*	0	0	*
321113	Sawmills	*	0	*	0	*	0	0	*
3212	Veneer, Plywood, and Engineered Woods	*	0	*	0	*	0	0	*
321219	Reconstituted Wood Products	0	0	0	0	0	0	0	0
3219	Other Wood Products	*	0	0	0	*	0	0	*
322	Paper	*	0	*	0	*	0	0	*
322110	Pulp Mills	*	0	0	0	*	0	0	0
322121	Paper Mills, except Newsprint	*	0	*	0	0	0	0	*
322122	Newsprint Mills	*	0	*	0	0	0	0	*
322130	Paperboard Mills	*	0	0	0	0	0	0	*
323	Printing and Related Support	*	0	*	0	0	0	0	*
324	Petroleum and Coal Products	185	0	*	*	*	0	*	184
324110	Petroleum Refineries	184	0	0	0	0	0	0	184
324121	Asphalt Paving Mixture and Block	Q	0	*	0	*	0	0	*
324199	Other Petroleum and Coal Products	*	0	0	0	0	0	*	0
325	Chemicals	9	0	*	*	6	0	3	*
325110	Petrochemicals	0	0	0	0	0	0	0	0
325120	Industrial Gases	*	0	0	*	0	0	0	*
325181	Alkalies and Chlorine	*	0	0	0	0	0	0	*
325182	Carbon Black	0	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	*	0	0	*	0	0	0	*

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Table 2.2 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Residual Fuel Oil	Distillate Fuel Oil(b)	Natural Gas(c)	LPG and NGL(d)	Coal	Coke and Breeze	Other(e)
325192	Cyclic Crudes and Intermediates	0	0	0	0	0	0	0	0
325193	Ethyl Alcohol	*	0	0	0	*	0	0	0
325199	Other Basic Organic Chemicals	W	0	*	0	W	0	0	*
325211	Plastics Materials and Resins	W	0	0	*	W	0	0	*
325212	Synthetic Rubber	0	0	0	0	0	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	0	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	*	0	0	0	0	0	0	*
3254	Pharmaceuticals and Medicines	*	0	0	*	0	0	0	*
325412	Pharmaceutical Preparation	*	0	0	*	0	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	0	*	0	0	0	0
326	Plastics and Rubber Products	*	0	0	*	0	0	0	0
327	Nonmetallic Mineral Products	5	*	*	*	*	*	0	5
327121	Brick and Structural Clay Tile	0	0	0	0	0	0	0	0
327211	Flat Glass	5	0	0	0	0	*	0	5
327212	Other Pressed and Blown Glass and Glassware	*	0	0	0	0	0	0	*
327213	Glass Containers	*	0	*	0	0	0	0	*
327215	Glass Products from Purchased Glass	*	0	0	*	0	0	0	*
327310	Cements	*	*	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	132	*	*	3	*	113	3	13
331111	Iron and Steel Mills	120	0	0	2	*	112	1	5
331112	Electrometallurgical Ferroalloy Products	1	0	0	0	*	1	*	*
3312	Steel Products from Purchased Steel	3	0	0	*	0	0	0	3
3313	Alumina and Aluminum	*	0	0	*	0	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	*	0	0	*	0	0	0	*
331315	Aluminum Sheet, Plate and Foils	*	0	0	0	0	0	0	*
331316	Aluminum Extruded Products	*	0	0	0	0	0	0	*
3314	Nonferrous Metals, except Aluminum	8	0	*	*	*	*	2	6
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	*	0	0	*	0	*	0	*
3315	Foundries	1	*	*	*	*	*	*	*
331511	Iron Foundries	*	0	0	*	*	*	*	*
331521	Aluminum Die-Casting Foundries	*	0	0	*	0	0	0	*
331524	Aluminum Foundries, except Die-Casting	*	*	*	0	*	0	0	*
332	Fabricated Metal Products	*	0	*	*	0	0	0	*
333	Machinery	*	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	1	0	*	*	0	0	*	1
336	Transportation Equipment	*	0	*	*	*	*	0	*
336111	Automobiles	*	0	0	0	0	0	0	*
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	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	*
	Total	333	*	1	3	6	113	6	204
	Midwest Census Region								
311	Food	7	*	*	2	Q	0	0	2
3112	Grain and Oilseed Milling	6	0	0	1	Q	0	0	2
311221	Wet Corn Milling	2	0	0	0	0	0	0	2
31131	Sugar Manufacturing	*	0	0	0	0	0	0	*
3114	Fruit and Vegetable Preserving and Specialty Foods	*	0	*	0	0	0	0	*
3115	Dairy Products	Q	0	*	*	*	0	0	*
3116	Animal Slaughtering and Processing	*	*	*	*	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

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Table 2.2 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Residual Fuel Oil	Distillate Fuel Oil(b)	Natural Gas(c)	LPG and NGL(d)	Coal	Coke and Breeze	Other(e)
313	Textile Mills	*	0	0	0	0	0	0	*
314	Textile Product Mills	*	0	0	0	0	0	0	*
315	Apparel	0	0	0	0	0	0	0	0
316	Leather and Allied Products	*	0	0	0	0	0	0	*
321	Wood Products	*	0	*	*	*	0	0	*
321113	Sawmills	*	0	*	*	0	0	0	*
3212	Veneer, Plywood, and Engineered Woods	*	0	0	0	0	0	0	*
321219	Reconstituted Wood Products	*	0	0	0	0	0	0	*
3219	Other Wood Products	*	0	0	*	*	0	0	*
322	Paper	*	0	*	0	0	0	0	*
322110	Pulp Mills	*	0	*	0	0	0	0	0
322121	Paper Mills, except Newsprint	*	0	0	0	0	0	0	*
322122	Newsprint Mills	*	0	0	0	0	0	0	*
322130	Paperboard Mills	*	0	0	0	0	0	0	*
323	Printing and Related Support	Q	0	0	Q	*	0	0	*
324	Petroleum and Coal Products	565	*	1	*	*	78	40	445
324110	Petroleum Refineries	433	0	0	0	0	0	0	433
324121	Asphalt Paving Mixture and Block	Q	*	*	*	*	0	0	Q
324199	Other Petroleum and Coal Products	128	0	*	0	0	78	40	10
325	Chemicals	168	7	*	51	102	*	1	7
325110	Petrochemicals	*	0	0	0	*	0	0	0
325120	Industrial Gases	4	0	0	4	0	0	0	0
325181	Alkalies and Chlorine	*	0	*	0	0	0	0	*
325182	Carbon Black	8	7	0	1	0	0	0	*
325188	Other Basic Inorganic Chemicals	1	0	*	*	0	0	0	1
325192	Cyclic Crudes and Intermediates	W	0	0	0	W	0	0	*
325193	Ethyl Alcohol	2	0	*	0	*	0	0	1
325199	Other Basic Organic Chemicals	W	0	*	*	W	0	0	*
325211	Plastics Materials and Resins	W	0	*	*	W	0	*	*
325212	Synthetic Rubber	*	0	0	*	0	0	0	*
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	43	0	0	41	0	0	0	2
325312	Phosphatic Fertilizers	*	0	0	0	0	0	0	*
3254	Pharmaceuticals and Medicines	*	0	0	*	0	0	0	*
325412	Pharmaceutical Preparation	*	0	0	*	0	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	0	0	0	0	0	*
326	Plastics and Rubber Products	*	0	0	*	*	0	0	*
327	Nonmetallic Mineral Products	*	0	*	*	*	*	0	*
327121	Brick and Structural Clay Tile	*	0	*	0	0	*	0	0
327211	Flat Glass	*	0	*	0	0	0	0	*
327212	Other Pressed and Blown Glass and Glassware	*	0	0	*	*	0	0	*
327213	Glass Containers	*	0	0	0	0	0	0	*
327215	Glass Products from Purchased Glass	*	0	0	*	*	0	0	*
327310	Cements	*	0	0	0	0	0	0	*
327410	Lime	*	0	0	0	0	0	0	*
327420	Gypsum	*	0	0	0	0	0	0	*
327993	Mineral Wool	*	0	0	0	0	0	0	*
331	Primary Metals	181	0	*	11	*	146	16	8
331111	Iron and Steel Mills	169	0	*	9	*	143	13	4
331112	Electrometallurgical Ferroalloy Products	3	0	*	*	0	2	1	0
3312	Steel Products from Purchased Steel	1	0	*	*	0	0	*	*
3313	Alumina and Aluminum	4	0	0	1	*	0	0	3
331314	Secondary Smelting and Alloying of Aluminum	*	0	0	0	0	0	0	*
331315	Aluminum Sheet, Plate and Foils	*	0	0	*	0	0	0	*
331316	Aluminum Extruded Products	1	0	0	1	0	0	0	*
3314	Nonferrous Metals, except Aluminum	2	0	0	*	*	0	1	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	*	0	0	0	0	0	0	*
3315	Foundries	2	0	*	1	*	1	1	*
331511	Iron Foundries	2	0	*	*	0	1	1	*
331521	Aluminum Die-Casting Foundries	*	0	0	0	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	*	0	0	*	*	0	0	*
332	Fabricated Metal Products	Q	0	0	*	*	Q	*	*
333	Machinery	*	0	*	*	*	0	0	*

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Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Residual Fuel Oil	Distillate Fuel Oil(b)	Natural Gas(c)	LPG and NGL(d)	Coal	Coke and Breeze	Other(e)
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	*
336	Transportation Equipment	3	0	*	Q	*	0	0	*
336111	Automobiles	*	0	*	0	*	0	0	*
336112	Light Trucks and Utility Vehicles	*	0	0	*	0	0	0	*
3364	Aerospace Product and Parts	*	0	*	*	*	0	0	*
336411	Aircraft	*	0	0	0	0	0	0	*
337	Furniture and Related Products	Q	0	*	0	0	0	0	Q
339	Miscellaneous	*	0	0	*	*	0	0	0
	Total	927	7	2	68	105	225	57	463
	South Census Region								
311	Food	Q	0	*	Q	*	0	0	*
3112	Grain and Oilseed Milling	*	0	*	*	0	0	0	*
311221	Wet Corn Milling	*	0	0	0	0	0	0	*
31131	Sugar Manufacturing	*	0	*	0	*	0	0	*
3114	Fruit and Vegetable Preserving and Specialty Foods	*	0	0	0	*	0	0	*
3115	Dairy Products	*	0	*	*	*	0	0	*
3116	Animal Slaughtering and Processing	*	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	*
313	Textile Mills	*	0	0	*	*	0	0	*
314	Textile Product Mills	*	0	0	0	0	*	0	0
315	Apparel	0	0	0	0	0	0	0	0
316	Leather and Allied Products	*	0	0	0	0	0	0	*
321	Wood Products	2	Q	1	*	*	0	0	*
321113	Sawmills	*	0	*	*	0	0	0	*
3212	Veneer, Plywood, and Engineered Woods	*	0	*	*	0	0	0	*
321219	Reconstituted Wood Products	*	0	*	*	0	0	0	*
3219	Other Wood Products	*	0	*	*	*	0	0	*
322	Paper	1	0	0	*	*	0	0	*
322110	Pulp Mills	*	0	0	0	0	0	0	*
322121	Paper Mills, except Newsprint	*	0	0	*	0	0	0	*
322122	Newsprint Mills	0	0	0	0	0	0	0	0
322130	Paperboard Mills	*	0	0	0	0	0	0	*
323	Printing and Related Support	*	0	0	0	0	0	0	*
324	Petroleum and Coal Products	1,963	*	1	0	*	33	1	1,929
324110	Petroleum Refineries	1,887	0	0	0	0	0	0	1,887
324121	Asphalt Paving Mixture and Block	1	0	1	0	*	0	0	*
324199	Other Petroleum and Coal Products	76	*	*	0	0	33	1	41
325	Chemicals	2,472	84	*	410	1,874	14	Q	86
325110	Petrochemicals	832	W	*	W	784	0	0	15
325120	Industrial Gases	94	0	0	93	*	0	0	*
325181	Alkalies and Chlorine	*	0	0	0	*	*	0	*
325182	Carbon Black	68	W	*	W	0	0	0	*
325188	Other Basic Inorganic Chemicals	13	0	*	6	*	*	Q	4
325192	Cyclic Crudes and Intermediates	4	0	0	1	0	0	0	3
325193	Ethyl Alcohol	*	0	0	0	0	0	0	*
325199	Other Basic Organic Chemicals	627	0	*	94	465	14	0	54
325211	Plastics Materials and Resins	637	0	*	13	624	0	0	*
325212	Synthetic Rubber	2	0	0	*	2	0	0	*
325222	Noncellulosic Organic Fibers	9	0	0	5	0	0	0	4
325311	Nitrogenous Fertilizers	161	0	0	161	0	0	0	*
325312	Phosphatic Fertilizers	W	*	*	W	0	0	0	*
3254	Pharmaceuticals and Medicines	*	0	*	*	0	0	0	*
325412	Pharmaceutical Preparation	*	0	*	0	0	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	*	0	0	0	0	0
326	Plastics and Rubber Products	Q	0	*	*	Q	0	0	*
327	Nonmetallic Mineral Products	2	0	*	*	*	*	0	1

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Table 2.2 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Residual Fuel Oil	Distillate Fuel Oil(b)	Natural Gas(c)	LPG and NGL(d)	Coal	Coke and Breeze	Other(e)
327121	Brick and Structural Clay Tile	*	0	*	*	0	0	0	*
327211	Flat Glass	*	0	0	0	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	*	0	0	0	*	0	0	*
327213	Glass Containers	*	0	0	0	0	0	0	*
327215	Glass Products from Purchased Glass	*	0	*	*	0	0	0	*
327310	Cements	1	0	0	0	0	0	0	1
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	*
331	Primary Metals	97	0	*	15	*	74	2	6
331111	Iron and Steel Mills	79	0	0	9	*	68	2	*
331112	Electrometallurgical Ferroalloy Products	4	0	0	0	0	4	*	*
3312	Steel Products from Purchased Steel	*	0	*	*	*	*	0	*
3313	Alumina and Aluminum	11	0	0	6	*	0	0	6
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	*
331316	Aluminum Extruded Products	*	0	0	*	0	0	0	*
3314	Nonferrous Metals, except Aluminum	2	0	0	0	0	2	0	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	2	0	0	0	0	2	0	0
3315	Foundries	*	0	0	*	*	*	*	*
331511	Iron Foundries	*	0	0	0	0	*	*	*
331521	Aluminum Die-Casting Foundries	*	0	0	*	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	0	0	*	0	0	0	*
332	Fabricated Metal Products	*	0	0	*	*	0	0	*
333	Machinery	*	0	*	*	*	0	0	*
334	Computer and Electronic Products	1	0	0	0	*	0	0	1
334413	Semiconductors and Related Devices	1	0	0	0	*	0	0	1
335	Electrical Equip., Appliances, and Components	Q	0	*	0	0	*	0	Q
336	Transportation Equipment	1	0	*	*	*	0	0	*
336111	Automobiles	*	0	0	0	*	0	0	0
336112	Light Trucks and Utility Vehicles	*	0	*	*	*	0	0	*
3364	Aerospace Product and Parts	*	0	0	*	*	0	0	*
336411	Aircraft	*	0	0	0	0	0	0	*
337	Furniture and Related Products	*	0	0	0	*	0	0	*
339	Miscellaneous	*	0	0	*	*	0	0	*
	Total	4,572	85	3	428	1,878	122	6	2,050
	West Census Region								
311	Food	1	0	0	1	*	0	0	*
3112	Grain and Oilseed Milling	*	0	0	*	*	0	0	*
311221	Wet Corn Milling	*	0	0	0	0	0	0	*
31131	Sugar Manufacturing	0	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	1	0	0	1	0	0	0	*
3115	Dairy Products	0	0	0	0	0	0	0	0
3116	Animal Slaughtering and Processing	*	0	0	0	*	0	0	*
312	Beverage and Tobacco Products	*	0	*	*	*	0	0	*
3121	Beverages	*	0	*	*	*	0	0	*
3122	Tobacco	*	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
316	Leather and Allied Products	0	0	0	0	0	0	0	0
321	Wood Products	*	*	*	*	*	0	0	*
321113	Sawmills	*	0	0	*	0	0	0	*
3212	Veneer, Plywood, and Engineered Woods	*	*	*	*	*	0	0	*
321219	Reconstituted Wood Products	*	0	0	0	0	0	0	*
3219	Other Wood Products	*	0	*	0	0	0	0	*
322	Paper	2	0	*	2	*	0	0	*
322110	Pulp Mills	0	0	0	0	0	0	0	0
322121	Paper Mills, except Newsprint	*	0	*	0	0	0	0	*
322122	Newsprint Mills	*	0	0	0	0	0	0	*

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Next MECS will be fielded in 2015

Table 2.2 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Residual Fuel Oil	Distillate Fuel Oil(b)	Natural Gas(c)	LPG and NGL(d)	Coal	Coke and Breeze	Other(e)
322130	Paperboard Mills	2	0	*	2	*	0	0	0
323	Printing and Related Support	0	0	0	0	0	0	0	0
324	Petroleum and Coal Products	242	0	*	*	*	0	0	242
324110	Petroleum Refineries	242	0	0	0	0	0	0	242
324121	Asphalt Paving Mixture and Block	*	0	*	*	*	0	0	*
324199	Other Petroleum and Coal Products	0	0	0	0	0	0	0	0
325	Chemicals	16	0	0	11	*	0	3	2
325110	Petrochemicals	0	0	0	0	0	0	0	0
325120	Industrial Gases	1	0	0	1	0	0	0	*
325181	Alkalies and Chlorine	*	0	0	0	*	0	0	*
325182	Carbon Black	0	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	13	0	0	9	0	0	3	2
325192	Cyclic Crudes and Intermediates	0	0	0	0	0	0	0	0
325193	Ethyl Alcohol	1	0	0	1	0	0	0	1
325199	Other Basic Organic Chemicals	*	0	0	*	0	0	0	*
325211	Plastics Materials and Resins	*	0	0	0	0	0	0	*
325212	Synthetic Rubber	*	0	0	0	0	0	0	*
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	*	0	0	0	0	0	0	*
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	0	0	0	0	0	0	0	0
325412	Pharmaceutical Preparation	0	0	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	0	*	0	0	0	*
326	Plastics and Rubber Products	*	0	0	0	*	0	0	*
327	Nonmetallic Mineral Products	*	0	*	*	*	0	0	*
327121	Brick and Structural Clay Tile	0	0	0	0	0	0	0	0
327211	Flat Glass	*	0	0	0	0	0	0	*
327212	Other Pressed and Blown Glass and Glassware	*	0	0	0	0	0	0	*
327213	Glass Containers	*	0	0	0	0	0	0	*
327215	Glass Products from Purchased Glass	*	0	0	*	0	0	0	*
327310	Cements	*	0	*	*	*	0	0	*
327410	Lime	*	0	0	0	0	0	0	*
327420	Gypsum	*	0	*	0	0	0	0	*
327993	Mineral Wool	*	0	*	0	0	0	0	0
331	Primary Metals	9	0	*	*	*	*	1	8
331111	Iron and Steel Mills	5	0	*	0	0	*	1	3
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	*	0	0	*	*	0	0	*
3313	Alumina and Aluminum	W	0	0	*	*	0	0	W
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
331316	Aluminum Extruded Products	0	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	W	0	*	*	*	0	*	W
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminun	*	0	0	0	*	0	0	*
3315	Foundries	*	0	*	0	0	*	0	*
331511	Iron Foundries	*	0	*	0	0	*	0	*
331521	Aluminum Die-Casting Foundries	*	0	0	0	0	0	0	*
331524	Aluminum Foundries, except Die-Casting	*	0	0	0	0	0	0	*
332	Fabricated Metal Products	*	0	0	0	0	0	0	*
333	Machinery	*	0	0	*	*	0	0	*
334	Computer and Electronic Products	*	0	0	*	0	0	0	*
334413	Semiconductors and Related Devices	*	0	0	0	0	0	0	*
335	Electrical Equip., Appliances, and Components	*	0	0	0	0	0	0	*
336	Transportation Equipment	Q	0	0	*	*	0	0	Q
336111	Automobiles	0	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	Q	0	0	*	*	0	0	Q
336411	Aircraft	*	0	0	0	*	0	0	0
337	Furniture and Related Products	0	0	0	0	0	0	0	0
339	Miscellaneous	*	0	0	*	0	0	0	*
	Total	272	*	*	14	*	*	4	253

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Table 2.2 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Residual Fuel Oil	Distillate Fuel Oil(b)	Natural Gas(c)	LPG and NGL(d)	Coal	Coke and Breeze	Other(e)

(a) The Bureau of the Census classifies establishments using the North American Industry Classification System (NAICS).
(b) 'Distillate Fuel Oil' includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.
(c) '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.
(d) Examples of Liquefied Petroleum Gases '(LPG)' are 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).'
(e) 'Other' includes energy that respondents indicated was used as feedstock/raw material inputs. See also Footnote 'f'.
(f) For the petroleum refining industry only (NAICS 324110), the feedstocks and raw material inputs for the production of nonenergy products (i.e., asphalt, waxes, lubricants, and solvents) and feedstock consumption at adjoining petrochemical plants are included in the 'Other' column, regardless of type of energy. Those inputs and feedstocks that were converted to other energy products (e.g., crude oil converted to residual and distillate fuel oils) are excluded.
NF=No applicable RSE row/column factor.
* Estimate less than 0.5.
W=Withheld to avoid disclosing data for individual establishments.
Q=Withheld because Relative Standard Error is greater than 50 percent.
NA=Not available.
Notes: Totals may not equal sum of components because of independent rounding. The derived estimates presented in this table are for the first use (formerly primary consumption) of energy 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; woodchips, bark, and woodwaste 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.
Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2010.

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Table 2.3 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Energy Sources;
Unit: Trillion Btu.

Economic Characteristic(a)	Total	Residual Fuel Oil	Distillate Fuel Oil(b)	Natural Gas(c)	LPG and NGL(d)	Coal	Coke and Breeze	Other(e)
Total United States								
Value of Shipments and Receipts (million dollars)								
Under 20	41	*	1	26	*	*	0	13
20-49	38	6	1	4	6	1	Q	14
50-99	110	W	1	38	W	9	4	26
100-249	342	39	1	154	19	52	4	73
250-499	344	*	*	76	75	138	46	10
500 and Over	2,482	W	1	215	W	260	16	87
Not Ascertained (f)	2,746	0	0	0	0	0	0	2,746
Total	6,104	92	6	514	1,989	460	74	2,970
Employment Size								
Under 50	228	7	2	104	71	*	0	43
50-99	201	W	1	63	33	29	W	35
100-249	879	25	1	140	501	116	45	49
250-499	884	*	1	75	692	60	6	51
500-999	436	W	*	65	301	3	W	39
1000 and Over	729	0	1	66	390	253	13	7
Not Ascertained (f)	2,746	0	0	0	0	0	0	2,746
Total	6,104	92	6	514	1,989	460	74	2,970
Northeast Census Region								
Value of Shipments and Receipts (million dollars)								
Under 20	1	*	Q	*	*	0	0	*
20-49	6	*	*	*	*	*	*	5
50-99	16	0	*	*	*	5	3	7
100-249	5	*	*	*	*	*	*	4
250-499	3	0	*	*	*	*	3	*
500 and Over	118	0	*	2	5	107	*	3
Not Ascertained (f)	184	0	0	0	0	0	0	184
Total	333	*	1	3	6	113	6	204
Employment Size								
Under 50	3	*	Q	*	*	0	0	2
50-99	5	*	*	Q	3	1	*	Q
100-249	22	*	*	*	*	4	3	13
250-499	3	0	*	*	3	*	0	*
500-999	3	0	*	*	*	*	3	*
1000 and Over	113	0	*	2	0	107	*	3
Not Ascertained (f)	184	0	0	0	0	0	0	184

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Table 2.3 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Energy Sources;
Unit: Trillion Btu.

Economic Characteristic(a)	Total	Residual Fuel Oil	Distillate Fuel Oil(b)	Natural Gas(c)	LPG and NGL(d)	Coal	Coke and Breeze	Other(e)
Total	333	*	1	3	6	113	6	204
Midwest Census Region								
Value of Shipments and Receipts (million dollars)								
Under 20	4	*	*	3	*	*	0	Q
20-49	8	3	*	1	W	0	W	1
50-99	29	4	W	6	W	3	0	12
100-249	84	0	*	38	6	33	1	6
250-499	117	0	*	9	9	57	41	1
500 and Over	252	0	W	12	W	132	W	9
Not Ascertained (f)	433	0	0	0	0	0	0	433
Total	927	7	2	68	105	225	57	463
Employment Size								
Under 50	40	3	*	25	*	*	0	11
50-99	33	4	*	11	W	3	W	W
100-249	161	0	*	18	11	89	41	2
250-499	93	*	*	2	W	Q	W	W
500-999	10	0	*	5	W	1	W	W
1000 and Over	157	0	*	7	W	131	W	W
Not Ascertained (f)	433	0	0	0	0	0	0	433
Total	927	7	2	68	105	225	57	463
South Census Region								
Value of Shipments and Receipts (million dollars)								
Under 20	34	0	*	22	*	*	0	11
20-49	22	3	1	1	W	1	W	9
50-99	54	W	W	22	W	1	1	5
100-249	246	39	*	115	12	19	*	61
250-499	221	*	*	67	66	80	1	6
500 and Over	2,108	W	W	201	W	21	W	72
Not Ascertained (f)	1,887	0	0	0	0	0	0	1,887
Total	4,572	85	3	428	1,878	122	6	2,050
Employment Size								
Under 50	175	3	1	70	71	0	0	29
50-99	160	W	1	52	W	25	W	W
100-249	692	25	*	119	490	23	1	33
250-499	782	0	*	71	W	59	W	W
500-999	416	W	*	60	W	1	W	W

Released: March 2013
Next MECS will be fielded in 2015

Table 2.3 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Energy Sources;
Unit: Trillion Btu.

Economic Characteristic(a)	Total	Residual Fuel Oil	Distillate Fuel Oil(b)	Natural Gas(c)	LPG and NGL(d)	Coal	Coke and Breeze	Other(e)
1000 and Over	460	0	*	57	W	14	W	W
Not Ascertained (f)	1,887	0	0	0	0	0	0	1,887
Total	4,572	85	3	428	1,878	122	6	2,050
West Census Region								
Value of Shipments and Receipts (million dollars)								
Under 20	2	*	*	1	*	*	0	Q
20-49	2	0	*	2	*	0	0	*
50-99	12	0	0	10	*	0	0	Q
100-249	7	0	*	2	*	0	3	3
250-499	4	0	0	*	*	0	1	3
500 and Over	4	0	*	*	*	*	*	3
Not Ascertained (f)	242	0	0	0	0	0	0	242
Total	272	*	*	14	*	*	4	253
Employment Size								
Under 50	10	*	*	10	*	0	0	*
50-99	Q	0	*	*	*	*	0	Q
100-249	4	0	*	3	*	0	*	1
250-499	7	0	0	1	0	0	4	2
500-999	6	0	*	*	*	*	0	6
1000 and Over	*	0	0	*	*	0	0	*
Not Ascertained (f)	242	0	0	0	0	0	0	242
Total	272	*	*	14	*	*	4	253

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

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

(c) '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.

(d) Examples of Liquefied Petroleum Gases '(LPG)' are 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).'

(e) 'Other' includes all other energy that respondents indicated was used for nonfuel purposes, i.e., as petrochemical feedstocks or raw material inputs. See also Footnote 'f'.

(f) The entry in the 'Not Ascertained' row and the 'Other' column consists of the feedstocks and raw material inputs that were consumed by petroleum refineries for the production of nonenergy products (i.e., asphalt, waxes, lubricants, and solvents), as well as feedstock consumption at adjoining

Table 2.3 Nonfuel (Feedstock) Use of Combustible Energy, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Energy Sources;
Unit: Trillion Btu.

Economic Characteristic(a)	Total	Residual Fuel Oil	Distillate Fuel Oil(b)	Natural Gas(c)	LPG and NGL(d)	Coal	Coke and Breeze	Other(e)

petrochemical plants. That entry includes all of those inputs, regardless of type. Those inputs that were converted to other energy products by petroleum refineries (e.g., crude oil converted to residual and distillate fuel oils) are excluded.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

Notes: Totals may not equal sum of components because of independent rounding. The derived estimates presented in this table are for the first use (formerly primary consumption) of energy 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; woodchips, bark, and woodwaste 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.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2010, and the Bureau of the Census, data files for the '2010 Annual Survey of Manufacturers.'

Released: March 2013
Next MECS will be conducted in 2015

Table 2.4 Number of Establishments by Nonfuel (Feedstock) Use of Combustible Energy, 2006;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	Any Combustible Energy Source(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)
		Total United States							
311	Food	183	0	105	38	Q	0	W	8
3112	Grain and Oilseed Milling	36	0	Q	13	W	0	0	6
311221	Wet Corn Milling	W	0	0	0	0	0	0	W
31131	Sugar Manufacturing	6	0	W	0	W	0	W	0
3114	Fruit and Vegetable Preserving and Specialty Food	Q	0	0	0	Q	0	0	0
3115	Dairy Product	Q	0	W	W	0	0	0	W
3116	Animal Slaughtering and Processing	Q	0	Q	W	0	0	0	W
312	Beverage and Tobacco Products	Q	0	W	0	W	0	0	0
3121	Beverages	W	0	W	0	0	0	0	0
3122	Tobacco	W	0	0	0	W	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	459	W	69	W	233	0	0	169
321113	Sawmills	147	W	29	0	Q	0	0	64
3212	Veneer, Plywood, and Engineered Woods	62	0	Q	W	13	0	0	Q
3219	Other Wood Products	233	0	11	0	162	0	0	67
322	Paper	157	0	14	0	107	0	0	45
322110	Pulp Mills	0	0	0	0	0	0	0	0
322121	Paper Mills, except Newsprint	24	0	W	0	13	0	0	10
322122	Newsprint Mills	W	0	W	0	0	0	0	0
322130	Paperboard Mills	18	0	7	0	5	0	0	12
323	Printing and Related Support	Q	0	W	0	Q	0	0	0
324	Petroleum and Coal Products	173	0	159	0	W	4	W	15
324110	Petroleum Refineries	0	0	0	0	0	0	0	0
324199	Other Petroleum and Coal Products	19	0	4	0	0	4	W	12

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Table 2.4 Number of Establishments by Nonfuel (Feedstock) Use of Combustible Energy, 2006;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	Any Combustible Energy Source(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)
325	Chemicals	735	W	75	192	236	6	W	339
325110	Petrochemicals	21	0	W	W	19	0	0	4
325120	Industrial Gases	74	0	0	20	W	0	0	54
325181	Alkalies and Chlorine	6	0	W	W	0	0	0	4
325182	Carbon Black	18	14	0	8	0	0	0	0
325188	Other Basic Inorganic Chemicals	39	0	W	10	3	0	W	26
325192	Cyclic Crudes and Intermediates	6	0	0	W	0	W	0	3
325193	Ethyl Alcohol	9	0	6	W	W	0	0	W
325199	Other Basic Organic Chemicals	79	0	4	31	38	W	0	30
325211	Plastics Materials and Resins	64	W	W	12	47	0	0	24
325212	Synthetic Rubber	8	0	0	W	W	0	0	6
325222	Noncellulosic Organic Fibers	8	0	0	W	4	0	0	4
325311	Nitrogenous Fertilizers	25	0	W	21	W	0	0	W
325312	Phosphatic Fertilizers	W	W	W	W	0	0	0	0
3254	Pharmaceuticals and Medicines	38	0	9	6	Q	0	0	19
325412	Pharmaceutical Preparation	17	0	W	3	W	0	0	6
325992	Photographic Film, Paper, Plate, and Chemicals	W	0	0	W	W	0	0	0
326	Plastics and Rubber Products	Q	0	W	W	0	0	0	0
327	Nonmetallic Mineral Products	278	0	138	Q	82	W	0	42
327211	Flat Glass	14	0	0	0	W	W	0	13
327212	Other Pressed and Blown Glass and Glassware	Q	0	W	0	W	0	0	Q
327213	Glass Containers	W	0	0	0	0	0	0	W
327215	Glass Products from Purchased Glass	21	0	0	6	9	0	0	6
327310	Cements	W	0	W	0	0	0	0	W
327410	Lime	4	0	W	0	4	0	0	W
327420	Gypsum	0	0	0	0	0	0	0	0
327993	Mineral Wool	9	0	W	W	4	0	0	W
331	Primary Metals	299	W	5	59	64	35	30	153
331111	Iron and Steel Mills	68	0	W	18	6	24	11	28

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Table 2.4 Number of Establishments by Nonfuel (Feedstock) Use of Combustible Energy, 2006;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	Any Combustible Energy Source(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)
331112	Electrometallurgical Ferroalloy Products	5	0	0	W	0	5	W	5
3312	Steel Products from Purchased Steel	31	0	0	9	W	W	W	18
3313	Alumina and Aluminum	43	W	W	10	7	0	0	25
331314	Secondary Smelting and Alloying of Aluminum	W	0	0	0	W	0	0	W
331315	Aluminum Sheet, Plate and Foils	4	0	0	W	0	0	0	W
331316	Aluminum Extruded Products	15	W	W	Q	W	0	0	6
3314	Nonferrous Metals, except Aluminum	66	0	0	W	11	W	W	52
3315	Foundries	86	0	W	10	W	W	11	26
331511	Iron Foundries	29	0	W	5	3	0	11	10
331521	Aluminum Die-Casting Foundries	W	0	0	0	W	0	0	0
331524	Aluminum Foundries, except Die-Casting	18	0	0	4	W	0	0	Q
332	Fabricated Metal Products	1,751	0	W	W	1,034	0	0	783
333	Machinery	238	0	230	0	0	0	0	Q
334	Computer and Electronic Products	149	0	Q	0	W	0	0	83
334413	Semiconductors and Related Devices	52	0	W	0	0	0	0	50
335	Electrical Equip., Appliances, and Components	73	0	W	W	W	W	0	Q
336	Transportation Equipment	361	0	Q	W	220	0	0	175
336111	Automobiles	5	0	0	0	W	0	0	W
336112	Light Trucks and Utility Vehicles	5	0	W	0	W	0	0	5
3364	Aerospace Product and Parts	67	0	0	0	30	0	0	Q
336411	Aircraft	W	0	0	0	0	0	0	W
337	Furniture and Related Products	Q	0	0	0	0	0	0	Q
339	Miscellaneous	0	0	0	0	0	0	0	0
	Total	**5,317**	**19**	**1,078**	**360**	**2,233**	**50**	**36**	**2,060**

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

(b) 'Any Combustible Energy Source' represents the non-duplicative total of establishments identified with any of the listed energy sources. This count includes only those establishments that reported this activity in 2006.

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

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Table 2.4 Number of Establishments by Nonfuel (Feedstock) Use of Combustible Energy, 2006;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	Any Combustible Energy Source(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)

(d) '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.

(e) Examples of Liquefied Petroleum Gases '(LPG)' are 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).'

(f) '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'.

(g) For the petroleum refining industry only (NAICS 324110), the feedstocks and raw material inputs for the production of nonenergy products (i.e., asphalt, waxes, lubricants, and solvents) and feedstock consumption at adjoining petrochemical plants are included in the 'Other' column, regardless of type of energy. Those inputs and feedstocks that were converted to other energy products (e.g., crude oil converted to residual and distillate fuel oils) are excluded.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

Notes: To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. 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 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; woodchips, bark, and woodwaste 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.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2010.

Released: March 2013

Next MECS will be fielded in 2015

Table 3.1 Fuel Consumption, 2010;

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

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)
	Total United States									
311	Food	1,158	75,407	2	4	563	1	8	*	99
3112	Grain and Oilseed Milling	350	16,479	*	*	118	*	6	0	45
311221	Wet Corn Milling	214	7,467	*	*	51	*	5	0	25
31131	Sugar Manufacturing	107	1,218	*	*	15	*	2	*	36
3114	Fruit and Vegetable Preserving and Specialty Foods	143	9,203	*	Q	97	*	*	0	4
3115	Dairy Products	105	9,565	*	*	65	*	*	0	2
3116	Animal Slaughtering and Processing	212	20,138	1	1	122	*	*	0	8
312	Beverage and Tobacco Products	86	8,449	*	*	37	*	*	0	7
3121	Beverages	77	7,472	*	*	33	*	*	0	7
3122	Tobacco	9	977	*	*	4	*	*	0	*
313	Textile Mills	95	13,240	*	*	31	*	*	0	6
314	Textile Product Mills	20	2,458	*	*	9	*	*	0	*
315	Apparel	6	1,069	0	*	2	*	0	0	*
316	Leather and Allied Products	2	243	*	*	1	*	0	0	*
321	Wood Products	470	15,323	*	4	33	1	*	0	357
321113	Sawmills	232	4,463	*	Q	5	*	0	0	195
3212	Veneer, Plywood, and Engineered Woods	183	6,374	*	*	18	*	*	0	138
321219	Reconstituted Wood Products	82	4,052	*	*	14	*	*	0	52
3219	Other Wood Products	48	4,162	*	1	7	*	*	0	20
322	Paper	2,110	60,497	6	1	387	1	9	*	1,253
322110	Pulp Mills	249	2,032	1	*	19	*	*	0	214
322121	Paper Mills, except Newsprint	822	18,146	2	*	167	*	5	0	458
322122	Newsprint Mills	101	11,180	*	*	3	*	1	0	35
322130	Paperboard Mills	824	17,219	2	*	138	*	3	*	541
323	Printing and Related Support	83	13,704	*	*	33	*	0	0	*
324	Petroleum and Coal Products	3,319	47,014	3	4	892	7	1	0	2,162
324110	Petroleum Refineries	3,176	44,882	2	2	835	7	*	0	2,113
324121	Asphalt Paving Mixture and Block	65	1,068	*	2	38	*	*	0	6
324199	Other Petroleum and Coal Products	55	-82	*	*	5	*	*	0	41
325	Chemicals	3,222	131,932	1	1	1,734	2	9	0	765
325110	Petrochemicals	568	6,543	*	*	241	*	0	0	295
325120	Industrial Gases	96	19,401	0	*	26	*	0	0	3
325181	Alkalies and Chlorine	W	9,405	0	*	W	*	2	0	17
325182	Carbon Black	W	234	*	*	11	*	0	0	W
325188	Other Basic Inorganic Chemicals	214	24,730	*	*	48	*	1	0	62
325192	Cyclic Crudes and Intermediates	52	2,673	*	*	22	*	0	0	18
325193	Ethyl Alcohol	307	7,392	0	*	245	*	1	0	4
325199	Other Basic Organic Chemicals	634	9,608	*	*	367	*	3	0	164
325211	Plastics Materials and Resins	462	19,606	*	*	298	*	1	0	73
325212	Synthetic Rubber	39	1,645	0	*	21	*	*	0	8
325222	Noncellulosic Organic Fibers	36	2,791	*	*	9	*	*	0	13
325311	Nitrogenous Fertilizers	166	3,388	*	*	147	*	0	0	2
325312	Phosphatic Fertilizers	35	1,251	*	*	26	*	*	0	*
3254	Pharmaceuticals and Medicines	91	9,170	*	*	48	*	*	0	7
325412	Pharmaceutical Preparation	51	5,619	*	*	23	*	*	0	4
325992	Photographic Film, Paper, Plate, and Chemicals	20	1,377	*	*	6	*	*	0	*
326	Plastics and Rubber Products	272	45,797	*	*	101	1	*	0	Q
327	Nonmetallic Mineral Products	711	32,576	*	4	265	1	10	*	76
327121	Brick and Structural Clay Tile	20	576	*	*	15	*	*	0	1
327211	Flat Glass	49	1,660	0	*	42	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	37	2,563	0	*	27	*	0	0	Q
327213	Glass Containers	59	3,604	0	*	45	*	0	0	*
327215	Glass Products from Purchased Glass	14	2,642	0	*	4	*	*	0	*
327310	Cements	246	9,205	*	*	12	*	6	*	60
327410	Lime	101	1,502	*	1	3	*	3	*	9
327420	Gypsum	44	1,384	*	*	38	*	0	0	*
327993	Mineral Wool	39	3,419	0	*	24	*	0	*	*
331	Primary Metals	1,655	117,284	*	2	522	1	1	15	316
331111	Iron and Steel Mills	1,158	50,360	*	1	316	*	1	14	281
331112	Electrometallurgical Ferroalloy Products	13	3,158	0	*	1	*	0	*	1
3312	Steel Products from Purchased Steel	44	5,270	*	*	18	*	0	*	7
3313	Alumina and Aluminum	219	34,041	*	*	93	*	0	0	5

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Table 3.1 Fuel Consumption, 2010;

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

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)
331314	Secondary Smelting and Alloying of Aluminum	24	2,638	*	*	14	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	57	4,134	*	*	39	*	0	0	2
331316	Aluminum Extruded Products	16	1,411	0	*	11	*	0	0	*
3314	Nonferrous Metals, except Aluminum	123	13,301	*	*	50	*	0	*	21
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	59	7,341	0	*	12	*	0	*	21
3315	Foundries	97	11,154	0	*	45	*	0	*	*
331511	Iron Foundries	45	5,675	0	*	14	*	0	*	*
331521	Aluminum Die-Casting Foundries	16	1,285	0	*	11	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	11	857	0	*	8	*	0	0	*
332	Fabricated Metal Products	301	37,206	*	*	158	1	*	0	Q
333	Machinery	148	20,386	*	1	69	1	0	0	1
334	Computer and Electronic Products	144	29,503	*	*	41	*	0	0	*
334413	Semiconductors and Related Devices	57	10,808	*	*	19	*	0	0	*
335	Electrical Equip., Appliances, and Components	74	10,689	*	*	35	*	0	*	*
336	Transportation Equipment	275	38,832	*	*	123	1	*	0	5
336111	Automobiles	28	3,027	0	*	15	*	*	0	1
336112	Light Trucks and Utility Vehicles	38	3,620	0	*	22	*	*	0	1
3364	Aerospace Product and Parts	67	9,501	*	*	29	*	*	0	2
336411	Aircraft	19	2,630	*	*	9	*	0	0	*
337	Furniture and Related Products	36	4,960	0	*	13	*	*	0	4
339	Miscellaneous	43	7,598	*	*	15	*	*	0	*
	Total	14,228	714,166	13	22	5,064	18	39	15	5,059
	Northeast Census Region									
311	Food	90	7,147	*	1	54	*	*	0	2
3112	Grain and Oilseed Milling	3	434	*	*	2	*	0	0	*
311221	Wet Corn Milling	*	5	*	0	0	*	0	0	0
31131	Sugar Manufacturing	1	211	0	*	*	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	13	972	*	*	7	*	*	0	1
3115	Dairy Products	14	1,172	*	*	8	*	0	0	*
3116	Animal Slaughtering and Processing	9	857	*	*	4	*	0	0	1
312	Beverage and Tobacco Products	12	1,247	*	*	6	*	0	0	1
3121	Beverages	11	1,217	*	*	5	*	0	0	1
3122	Tobacco	1	30	*	*	*	*	0	0	*
313	Textile Mills	8	550	*	*	5	*	0	0	*
314	Textile Product Mills	Q	Q	0	*	Q	*	*	0	*
315	Apparel	*	Q	0	0	*	0	0	0	0
316	Leather and Allied Products	*	50	*	*	*	*	0	0	*
321	Wood Products	87	1,010	*	*	2	*	*	0	80
321113	Sawmills	5	332	*	*	*	*	0	0	3
3212	Veneer, Plywood, and Engineered Woods	75	240	0	*	*	*	*	0	74
321219	Reconstituted Wood Products	18	161	0	*	*	*	0	0	17
3219	Other Wood Products	5	486	*	*	1	*	*	0	2
322	Paper	248	4,907	2	*	69	*	1	0	128
322110	Pulp Mills	26	432	*	*	1	*	0	0	22
322121	Paper Mills, except Newsprint	166	543	1	*	50	*	1	0	87
322122	Newsprint Mills	W	880	*	*	0	*	0	0	W
322130	Paperboard Mills	25	1,486	*	*	11	*	0	0	7
323	Printing and Related Support	16	2,447	*	*	6	*	0	0	*
324	Petroleum and Coal Products	264	4,413	1	2	41	3	*	0	174
324110	Petroleum Refineries	238	4,032	1	1	30	3	*	0	171
324121	Asphalt Paving Mixture and Block	19	257	*	1	9	*	0	0	2
324199	Other Petroleum and Coal Products	6	35	*	*	1	*	*	0	*
325	Chemicals	148	12,122	1	*	69	*	1	0	14
325110	Petrochemicals	*	17	0	*	*	0	0	0	0
325120	Industrial Gases	11	2,592	0	*	*	*	0	0	2
325181	Alkalies and Chlorine	8	1,468	0	*	*	*	0	0	2
325182	Carbon Black	*	5	0	0	*	0	0	0	0
325188	Other Basic Inorganic Chemicals	8	838	*	*	4	*	0	0	*
325192	Cyclic Crudes and Intermediates	7	160	*	*	5	*	0	0	*
325193	Ethyl Alcohol	2	69	0	*	2	*	0	0	0
325199	Other Basic Organic Chemicals	19	667	0	*	13	*	0	0	4
325211	Plastics Materials and Resins	13	1,023	0	*	5	*	0	0	4

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Next MECS will be fielded in 2015

Table 3.1 Fuel Consumption, 2010;

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

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)
325212	Synthetic Rubber	*	40	0	0	*	*	0	0	0
325222	Noncellulosic Organic Fibers	*	26	0	*	0	*	0	0	*
325311	Nitrogenous Fertilizers	1	26	*	*	*	*	0	0	*
325312	Phosphatic Fertilizers	*	1	0	*	*	*	0	0	*
3254	Pharmaceuticals and Medicines	31	2,450	*	*	21	*	0	0	1
325412	Pharmaceutical Preparation	13	1,188	*	*	9	*	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	16	873	*	*	4	*	*	0	*
326	Plastics and Rubber Products	20	2,679	0	*	8	*	*	0	*
327	Nonmetallic Mineral Products	88	4,133	*	1	37	*	1	*	7
327121	Brick and Structural Clay Tile	2	44	0	*	1	*	*	0	*
327211	Flat Glass	9	315	0	*	8	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	8	565	0	*	6	*	0	0	*
327213	Glass Containers	10	587	0	*	8	*	0	0	*
327215	Glass Products from Purchased Glass	3	394	0	*	1	*	*	0	*
327310	Cements	28	1,016	*	*	*	*	1	*	5
327410	Lime	5	69	0	*	0	*	*	0	1
327420	Gypsum	7	432	*	*	5	*	0	0	*
327993	Mineral Wool	4	226	0	*	3	*	0	0	*
331	Primary Metals	186	12,979	*	*	63	*	*	1	45
331111	Iron and Steel Mills	129	5,795	0	*	34	*	*	1	44
331112	Electrometallurgical Ferroalloy Products	2	537	0	*	*	*	0	0	*
3312	Steel Products from Purchased Steel	7	800	*	*	4	*	0	*	*
3313	Alumina and Aluminum	20	2,992	*	*	9	*	0	0	1
331314	Secondary Smelting and Alloying of Aluminum	9	2,110	*	*	2	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	7	463	*	*	5	*	0	0	*
331316	Aluminum Extruded Products	4	394	0	*	2	*	0	0	*
3314	Nonferrous Metals, except Aluminum	20	1,883	*	*	12	*	0	*	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	1	149	0	*	*	*	0	0	*
3315	Foundries	8	972	0	*	4	*	0	*	*
331511	Iron Foundries	2	427	0	*	1	*	0	*	*
331521	Aluminum Die-Casting Foundries	1	75	0	0	1	*	0	0	0
331524	Aluminum Foundries, except Die-Casting	1	63	0	*	*	*	0	0	*
332	Fabricated Metal Products	43	4,526	*	*	24	*	0	0	*
333	Machinery	21	3,323	0	*	9	*	0	0	Q
334	Computer and Electronic Products	25	5,236	*	*	7	*	0	0	*
334413	Semiconductors and Related Devices	10	1,959	*	*	3	*	0	0	*
335	Electrical Equip., Appliances, and Components	13	1,804	*	*	6	*	0	*	*
336	Transportation Equipment	26	2,861	*	*	14	*	0	0	1
336111	Automobiles	*	1	0	0	*	*	0	0	*
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	12	902	*	*	7	*	0	0	1
336411	Aircraft	5	307	*	*	3	*	0	0	*
337	Furniture and Related Products	5	707	0	*	2	*	0	0	*
339	Miscellaneous	13	1,847	0	*	6	*	0	0	*
	Total	1,317	74,309	5	4	427	4	3	1	452
	Midwest Census Region									
311	Food	561	33,034	*	*	244	*	7	*	44
3112	Grain and Oilseed Milling	273	11,550	*	*	82	*	5	0	34
311221	Wet Corn Milling	198	6,574	0	*	47	*	5	0	24
31131	Sugar Manufacturing	37	558	*	*	5	*	1	*	*
3114	Fruit and Vegetable Preserving and Specialty Foods	26	2,204	*	*	16	*	*	0	1
3115	Dairy Products	40	3,305	*	*	25	*	*	0	1
3116	Animal Slaughtering and Processing	95	8,561	*	*	58	*	0	0	4
312	Beverage and Tobacco Products	19	1,369	*	*	8	*	*	0	*
3121	Beverages	19	1,354	*	*	8	*	*	0	*
3122	Tobacco	*	15	0	0	*	*	0	0	0
313	Textile Mills	3	394	0	*	1	*	0	0	*
314	Textile Product Mills	Q	Q	0	0	*	*	0	0	0
315	Apparel	*	Q	0	0	*	0	0	0	0
316	Leather and Allied Products	1	90	0	*	1	*	0	0	*
321	Wood Products	52	2,468	*	1	6	*	*	0	31
321113	Sawmills	28	397	*	Q	1	*	0	0	23

Released: March 2013

Next MECS will be fielded in 2015

Table 3.1 Fuel Consumption, 2010;

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

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)
3212	Veneer, Plywood, and Engineered Woods	10	557	*	*	2	*	*	0	4
321219	Reconstituted Wood Products	7	340	*	*	2	*	*	0	3
3219	Other Wood Products	13	1,472	0	*	3	*	0	0	4
322	Paper	292	15,068	*	*	85	*	3	0	94
322110	Pulp Mills	2	281	0	*	1	*	0	0	*
322121	Paper Mills, except Newsprint	190	6,885	*	*	38	*	2	0	83
322122	Newsprint Mills	10	1,345	0	*	*	*	*	0	3
322130	Paperboard Mills	45	2,522	*	*	20	*	*	0	8
323	Printing and Related Support	28	4,444	0	*	12	*	0	0	*
324	Petroleum and Coal Products	514	8,596	*	*	123	*	*	0	355
324110	Petroleum Refineries	481	8,101	*	*	105	*	0	0	343
324121	Asphalt Paving Mixture and Block	13	259	*	*	9	*	*	0	1
324199	Other Petroleum and Coal Products	11	-156	0	*	2	*	0	0	9
325	Chemicals	623	34,431	*	*	331	1	3	0	101
325110	Petrochemicals	2	73	*	*	2	*	0	0	*
325120	Industrial Gases	29	8,071	0	*	1	0	0	0	0
325181	Alkalies and Chlorine	W	1,086	0	*	W	*	0	0	*
325182	Carbon Black	W	77	0	*	*	*	0	0	W
325188	Other Basic Inorganic Chemicals	62	1,389	0	*	13	*	0	0	44
325192	Cyclic Crudes and Intermediates	14	649	*	*	5	*	0	0	6
325193	Ethyl Alcohol	254	6,088	0	*	200	*	1	0	2
325199	Other Basic Organic Chemicals	57	3,509	0	*	15	*	1	0	15
325211	Plastics Materials and Resins	43	3,272	*	*	14	*	*	0	11
325212	Synthetic Rubber	6	415	0	*	3	*	*	0	*
325222	Noncellulosic Organic Fibers	*	31	0	0	*	*	0	0	*
325311	Nitrogenous Fertilizers	41	1,273	0	*	34	*	0	0	2
325312	Phosphatic Fertilizers	*	5	0	*	*	*	0	0	*
3254	Pharmaceuticals and Medicines	28	2,802	*	*	11	*	*	0	2
325412	Pharmaceutical Preparation	19	2,182	0	*	6	*	*	0	2
325992	Photographic Film, Paper, Plate, and Chemicals	1	96	0	*	*	*	0	0	*
326	Plastics and Rubber Products	91	15,451	0	*	36	*	0	0	Q
327	Nonmetallic Mineral Products	211	8,939	*	1	69	*	3	*	39
327121	Brick and Structural Clay Tile	4	106	0	*	3	*	*	0	*
327211	Flat Glass	16	495	0	*	14	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	9	493	0	*	8	*	0	0	*
327213	Glass Containers	15	879	0	*	12	*	0	0	*
327215	Glass Products from Purchased Glass	5	968	0	*	1	*	0	0	*
327310	Cements	74	2,537	0	*	2	*	1	*	30
327410	Lime	45	489	*	*	2	*	1	*	8
327420	Gypsum	9	228	0	*	7	*	0	0	*
327993	Mineral Wool	17	1,521	0	*	9	*	0	*	*
331	Primary Metals	874	46,699	*	1	261	*	1	9	206
331111	Iron and Steel Mills	694	19,512	*	1	196	*	1	8	196
331112	Electrometallurgical Ferroalloy Products	6	1,174	0	*	*	*	0	*	1
3312	Steel Products from Purchased Steel	21	1,507	0	*	8	*	0	0	7
3313	Alumina and Aluminum	69	13,265	0	*	21	*	0	0	2
331314	Secondary Smelting and Alloying of Aluminum	7	184	0	*	6	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	16	1,226	0	*	10	*	0	0	2
331316	Aluminum Extruded Products	W	W	0	*	W	*	0	0	*
3314	Nonferrous Metals, except Aluminum	28	4,391	0	*	9	*	0	*	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	13	2,891	0	*	2	*	0	*	*
3315	Foundries	58	6,849	0	*	26	*	0	*	*
331511	Iron Foundries	29	3,879	0	*	8	*	0	*	*
331521	Aluminum Die-Casting Foundries	10	863	0	*	7	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	6	492	0	*	4	*	0	0	*
332	Fabricated Metal Products	140	16,345	0	*	79	1	0	0	*
333	Machinery	81	9,688	*	*	42	*	0	0	1
334	Computer and Electronic Products	24	4,551	0	*	8	*	0	0	*
334413	Semiconductors and Related Devices	3	676	0	*	1	*	0	0	*
335	Electrical Equip., Appliances, and Components	21	2,827	0	*	10	*	0	0	*
336	Transportation Equipment	146	19,775	*	*	68	*	*	0	3
336111	Automobiles	19	1,765	0	*	11	*	*	0	1
336112	Light Trucks and Utility Vehicles	24	2,059	0	*	14	*	*	0	1
3364	Aerospace Product and Parts	14	2,012	*	*	6	*	0	0	1
336411	Aircraft	4	505	0	*	2	*	0	0	*

Released: March 2013

Next MECS will be fielded in 2015

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NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)
337	Furniture and Related Products	13	1,665	0	*	5	*	*	0	1
339	Miscellaneous	8	1,254	0	*	3	*	*	0	*
	Total	3,703	227,367	1	4	1,393	4	16	9	877
	South Census Region									
311	Food	297	23,271	1	1	142	*	1	0	43
3112	Grain and Oilseed Milling	60	3,690	*	*	28	*	*	0	8
311221	Wet Corn Milling	14	824	0	*	4	*	*	0	*
31131	Sugar Manufacturing	40	263	*	*	6	*	*	0	31
3114	Fruit and Vegetable Preserving and Specialty Foods	30	2,394	*	*	19	*	0	0	1
3115	Dairy Products	13	1,815	0	*	6	*	0	0	*
3116	Animal Slaughtering and Processing	90	8,966	1	*	47	*	*	0	3
312	Beverage and Tobacco Products	36	3,614	*	*	15	*	*	0	3
3121	Beverages	27	2,682	*	*	12	*	*	0	3
3122	Tobacco	9	932	*	*	3	*	*	0	*
313	Textile Mills	80	12,007	*	*	22	*	*	0	6
314	Textile Product Mills	15	1,800	*	*	8	*	0	0	*
315	Apparel	5	886	0	*	2	*	0	0	*
316	Leather and Allied Products	*	73	0	*	*	*	0	0	*
321	Wood Products	245	8,775	*	1	17	*	*	0	191
321113	Sawmills	143	2,707	0	*	2	*	0	0	130
3212	Veneer, Plywood, and Engineered Woods	76	4,150	*	*	11	*	*	0	49
321219	Reconstituted Wood Products	49	2,882	*	*	9	*	*	0	28
3219	Other Wood Products	20	1,685	0	*	2	*	0	0	10
322	Paper	1,342	27,762	3	1	178	*	5	*	923
322110	Pulp Mills	213	1,142	1	*	17	*	*	0	186
322121	Paper Mills, except Newsprint	393	8,433	1	*	55	*	2	0	249
322122	Newsprint Mills	W	3,219	0	*	1	*	*	0	W
322130	Paperboard Mills	659	9,668	2	*	85	*	3	*	470
323	Printing and Related Support	30	4,825	0	*	13	*	0	0	*
324	Petroleum and Coal Products	1,773	27,233	1	1	514	1	*	0	1,135
324110	Petroleum Refineries	1,711	26,229	*	*	496	1	0	0	1,103
324121	Asphalt Paving Mixture and Block	21	332	*	1	10	*	0	0	2
324199	Other Petroleum and Coal Products	33	140	0	*	1	*	0	0	31
325	Chemicals	2,321	76,423	1	1	1,291	1	3	0	643
325110	Petrochemicals	566	6,453	*	*	239	*	0	0	295
325120	Industrial Gases	49	6,902	0	*	24	*	0	0	*
325181	Alkalies and Chlorine	W	5,022	0	*	W	*	*	0	13
325182	Carbon Black	W	151	*	*	10	*	0	0	W
325188	Other Basic Inorganic Chemicals	112	20,178	*	*	25	*	*	0	16
325192	Cyclic Crudes and Intermediates	30	1,863	*	*	11	*	0	0	13
325193	Ethyl Alcohol	41	983	0	*	37	*	0	0	*
325199	Other Basic Organic Chemicals	553	5,182	*	*	337	*	2	0	144
325211	Plastics Materials and Resins	404	15,133	*	*	278	*	*	0	57
325212	Synthetic Rubber	32	1,146	0	*	18	*	*	0	8
325222	Noncellulosic Organic Fibers	35	2,732	*	*	9	*	*	0	13
325311	Nitrogenous Fertilizers	122	1,919	0	*	112	*	0	0	*
325312	Phosphatic Fertilizers	31	998	*	*	24	*	*	0	*
3254	Pharmaceuticals and Medicines	25	2,927	*	*	11	*	0	0	3
325412	Pharmaceutical Preparation	15	1,794	*	*	6	*	0	0	2
325992	Photographic Film, Paper, Plate, and Chemicals	1	167	0	*	1	*	0	0	*
326	Plastics and Rubber Products	121	19,154	*	*	47	*	0	0	Q
327	Nonmetallic Mineral Products	295	14,180	*	2	121	*	4	*	24
327121	Brick and Structural Clay Tile	13	386	*	*	10	*	*	0	1
327211	Flat Glass	18	665	0	*	15	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	18	1,407	0	*	13	*	0	0	Q
327213	Glass Containers	20	1,192	0	*	16	*	0	0	*
327215	Glass Products from Purchased Glass	5	989	0	*	2	*	0	0	*
327310	Cements	98	3,900	*	*	9	*	2	*	19
327410	Lime	37	697	0	1	1	*	1	*	*
327420	Gypsum	20	520	0	*	18	*	0	0	*
327993	Mineral Wool	13	1,205	0	*	9	*	0	*	*
331	Primary Metals	508	45,397	*	1	157	*	*	5	64

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331111	Iron and Steel Mills	311	22,133	*	*	74	*	*	5	40
331112	Electrometallurgical Ferroalloy Products	5	1,446	0	*	*	0	0	0	*
3312	Steel Products from Purchased Steel	16	2,849	0	*	5	*	0	0	*
3313	Alumina and Aluminum	106	12,833	*	*	56	*	0	0	3
331314	Secondary Smelting and Alloying of Aluminum	6	316	0	*	5	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	29	2,092	*	*	22	*	0	0	*
331316	Aluminum Extruded Products	7	412	0	*	5	*	0	0	*
3314	Nonferrous Metals, except Aluminum	46	3,523	0	*	11	*	0	*	21
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	27	1,929	0	*	*	*	0	0	21
3315	Foundries	24	2,612	0	*	11	*	0	*	*
331511	Iron Foundries	12	1,271	0	*	4	*	0	*	*
331521	Aluminum Die-Casting Foundries	4	311	0	*	3	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	3	138	0	*	2	*	0	0	*
332	Fabricated Metal Products	91	12,909	0	*	42	1	0	0	Q
333	Machinery	41	6,103	0	*	18	*	0	0	*
334	Computer and Electronic Products	43	10,078	0	*	8	*	0	0	*
334413	Semiconductors and Related Devices	14	3,192	0	*	3	*	0	0	*
335	Electrical Equip., Appliances, and Components	37	5,579	0	*	17	*	0	0	*
336	Transportation Equipment	74	11,397	*	*	29	*	*	0	1
336111	Automobiles	8	1,233	0	*	4	*	*	0	*
336112	Light Trucks and Utility Vehicles	14	1,538	0	*	8	*	0	0	*
3364	Aerospace Product and Parts	19	2,972	*	*	7	*	*	0	1
336411	Aircraft	7	1,163	*	*	3	*	0	0	*
337	Furniture and Related Products	16	2,180	0	*	4	*	*	0	Q
339	Miscellaneous	12	2,300	*	*	3	*	0	0	*
	Total	7,379	315,945	6	8	2,647	5	14	5	3,042
	West Census Region									
311	Food	211	11,955	*	2	123	*	1	*	11
3112	Grain and Oilseed Milling	13	806	0	*	6	*	0	0	Q
311221	Wet Corn Milling	2	64	0	*	1	*	0	0	1
31131	Sugar Manufacturing	30	185	0	*	4	*	1	*	5
3114	Fruit and Vegetable Preserving and Specialty Foods	74	3,633	*	Q	55	*	0	0	1
3115	Dairy Products	38	3,272	0	*	26	*	0	0	*
3116	Animal Slaughtering and Processing	19	1,753	0	*	12	*	0	0	*
312	Beverage and Tobacco Products	20	2,219	0	*	9	*	0	0	3
3121	Beverages	20	2,218	0	*	9	*	0	0	3
3122	Tobacco	*	1	0	0	0	*	0	0	0
313	Textile Mills	3	289	*	*	2	*	0	0	*
314	Textile Product Mills	Q	Q	0	*	*	*	0	0	*
315	Apparel	*	90	0	0	*	0	0	0	0
316	Leather and Allied Products	*	31	0	0	*	*	0	0	0
321	Wood Products	87	3,069	0	Q	9	*	0	0	55
321113	Sawmills	55	1,028	0	Q	3	*	0	0	39
3212	Veneer, Plywood, and Engineered Woods	22	1,427	0	*	5	*	0	0	12
321219	Reconstituted Wood Products	8	668	0	*	2	*	0	0	3
3219	Other Wood Products	9	520	0	*	1	*	0	0	4
322	Paper	228	12,760	*	*	56	*	1	0	108
322110	Pulp Mills	7	178	*	*	*	*	0	0	5
322121	Paper Mills, except Newsprint	74	2,285	*	*	25	*	0	0	40
322122	Newsprint Mills	42	5,736	*	*	2	*	1	0	6
322130	Paperboard Mills	95	3,543	*	*	23	*	*	0	56
323	Printing and Related Support	Q	Q	0	0	2	*	0	0	0
324	Petroleum and Coal Products	767	6,773	1	1	215	3	*	0	498
324110	Petroleum Refineries	746	6,520	1	1	203	3	0	0	496
324121	Asphalt Paving Mixture and Block	13	220	*	*	9	*	0	0	2
324199	Other Petroleum and Coal Products	5	-101	0	*	*	*	*	0	*
325	Chemicals	131	8,957	0	*	43	*	2	0	7
325110	Petrochemicals	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	6	1,835	0	0	*	0	0	0	0
325181	Alkalies and Chlorine	58	1,830	0	*	18	*	1	0	2
325182	Carbon Black	*	1	0	*	*	*	0	0	*
325188	Other Basic Inorganic Chemicals	32	2,325	0	*	6	*	1	0	2

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325192	Cyclic Crudes and Intermediates	*	1	0	*	*	*	0	0	*
325193	Ethyl Alcohol	9	253	0	*	6	*	0	0	2
325199	Other Basic Organic Chemicals	5	251	0	*	2	*	0	0	1
325211	Plastics Materials and Resins	2	179	0	*	1	*	0	0	*
325212	Synthetic Rubber	*	45	0	*	*	*	0	0	*
325222	Noncellulosic Organic Fibers	*	1	0	0	*	*	0	0	0
325311	Nitrogenous Fertilizers	2	169	0	*	1	*	0	0	*
325312	Phosphatic Fertilizers	4	246	0	*	3	*	0	0	*
3254	Pharmaceuticals and Medicines	8	991	0	*	4	*	0	0	*
325412	Pharmaceutical Preparation	4	456	0	*	2	*	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	2	241	0	*	1	*	0	0	*
326	Plastics and Rubber Products	39	8,514	0	*	9	*	0	0	*
327	Nonmetallic Mineral Products	116	5,325	*	1	39	*	2	*	6
327121	Brick and Structural Clay Tile	2	39	0	*	1	*	0	0	*
327211	Flat Glass	6	185	0	*	5	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	2	97	0	*	1	*	0	0	*
327213	Glass Containers	13	945	0	*	10	*	0	0	*
327215	Glass Products from Purchased Glass	1	291	0	*	*	*	0	0	*
327310	Cements	46	1,752	0	*	1	*	1	*	6
327410	Lime	14	246	0	*	*	*	1	0	*
327420	Gypsum	9	205	0	*	8	*	0	0	*
327993	Mineral Wool	4	468	0	*	2	*	0	0	*
331	Primary Metals	86	12,209	0	*	41	*	*	*	1
331111	Iron and Steel Mills	24	2,919	0	*	13	*	*	*	1
331112	Electrometallurgical Ferroalloy Products	*	*	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	1	113	0	*	*	*	0	0	*
3313	Alumina and Aluminum	24	4,951	0	*	7	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	1	27	0	*	1	*	0	0	0
331315	Aluminum Sheet, Plate and Foils	4	353	0	*	2	*	0	0	*
331316	Aluminum Extruded Products	W	W	0	*	W	*	0	0	*
3314	Nonferrous Metals, except Aluminum	30	3,503	0	*	17	*	0	*	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	18	2,371	0	*	9	*	0	0	*
3315	Foundries	7	722	0	*	4	*	0	*	*
331511	Iron Foundries	2	99	0	*	1	*	0	*	*
331521	Aluminum Die-Casting Foundries	*	36	0	0	*	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	2	164	0	*	1	*	0	0	*
332	Fabricated Metal Products	27	3,426	0	*	13	*	*	0	Q
333	Machinery	6	1,271	0	*	Q	*	0	0	*
334	Computer and Electronic Products	52	9,638	0	*	19	*	0	0	*
334413	Semiconductors and Related Devices	29	4,981	0	*	12	*	0	0	*
335	Electrical Equip., Appliances, and Components	3	478	0	*	Q	*	0	0	*
336	Transportation Equipment	29	4,799	0	*	12	*	0	0	*
336111	Automobiles	*	28	0	0	*	*	0	0	0
336112	Light Trucks and Utility Vehicles	*	23	0	0	*	0	0	0	0
3364	Aerospace Product and Parts	23	3,615	0	*	10	*	0	0	*
336411	Aircraft	4	655	0	*	2	*	0	0	*
337	Furniture and Related Products	3	408	0	0	1	*	0	0	*
339	Miscellaneous	11	2,197	0	*	3	*	0	0	*
	Total	1,829	96,546	1	6	597	4	6	*	689

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

(b) '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).

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

(d) '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.

(e) Examples of Liquefied Petroleum Gases '(LPG)' are ethane, ethylene, propane, propylene, normal butane, butylene, ethane-propane mixtures, propane-butane mixtures, and isobutane

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Next MECS will be fielded in 2015

Table 3.1 Fuel Consumption, 2010;

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

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)

produced at refineries or natural gas processing plants, including plants that fractionate raw Natural Gas Liquids '(NGL).'

(f) '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.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

Notes: Totals may not equal sum of components because of independent rounding. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells. During manufacturing processes, it is possible that the thermal energy content of an energy input is not completely consumed for the production of heat, power, or electricity generation. Hence, residuals of that input may remain. Those residual leftovers may be subsequently consumed for fuel purposes, whether onsite or offsite at another manufacturing establishment (for example, blast furnace gas as a byproduct recovered from coke and other inputs that were not completely consumed). In such cases, double counting of inputs cannot be avoided, and the "Fuel Consumption" estimates will be inflated.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2010.

Released: March 2013

Next MECS will be fielded in 2015

Table 3.2 Fuel Consumption, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
		Total United States								
311	Food	1,158	257	12	22	579	6	182	2	99
3112	Grain and Oilseed Milling	350	56	*	1	121	*	126	0	45
311221	Wet Corn Milling	214	25	*	*	53	*	110	0	25
31131	Sugar Manufacturing	107	4	1	1	15	*	49	2	36
3114	Fruit and Vegetable Preserving and Specialty Foods	143	31	1	Q	100	1	2	0	4
3115	Dairy Products	105	33	2	2	66	1	*	0	2
3116	Animal Slaughtering and Processing	212	69	5	3	125	2	Q	0	8
312	Beverage and Tobacco Products	86	29	1	1	38	1	10	0	7
3121	Beverages	77	25	*	1	34	1	8	0	7
3122	Tobacco	9	3	*	*	4	*	2	0	*
313	Textile Mills	95	45	2	Q	31	1	8	0	6
314	Textile Product Mills	20	8	*	*	9	Q	Q	0	*
315	Apparel	6	4	0	*	2	*	0	0	*
316	Leather and Allied Products	2	1	*	*	1	*	0	0	*
321	Wood Products	470	52	*	22	34	3	1	0	357
321113	Sawmills	232	15	*	Q	5	*	0	0	195
3212	Veneer, Plywood, and Engineered Woods	183	22	*	2	19	1	1	0	138
321219	Reconstituted Wood Products	82	14	*	Q	14	*	1	0	52
3219	Other Wood Products	48	14	*	5	7	2	*	0	20
322	Paper	2,110	206	35	6	399	4	207	*	1,253
322110	Pulp Mills	249	7	8	1	19	*	*	0	214
322121	Paper Mills, except Newsprint	822	62	13	2	172	1	113	0	458
322122	Newsprint Mills	101	38	1	1	3	*	23	0	35
322130	Paperboard Mills	824	59	11	2	142	*	67	*	541
323	Printing and Related Support	83	47	Q	*	34	1	0	0	*
324	Petroleum and Coal Products	3,319	160	17	24	918	26	11	0	2,162
324110	Petroleum Refineries	3,176	153	14	11	859	25	1	0	2,113
324121	Asphalt Paving Mixture and Block	65	4	3	12	39	1	Q	0	6
324199	Other Petroleum and Coal Products	55	*	*	*	5	*	9	0	41
325	Chemicals	3,222	450	7	8	1,784	7	200	0	765
325110	Petrochemicals	568	22	1	*	248	1	0	0	295
325120	Industrial Gases	96	66	0	*	27	*	0	0	3
325181	Alkalies and Chlorine	W	32	0	*	W	*	39	0	17
325182	Carbon Black	W	1	*	*	11	*	0	0	W
325188	Other Basic Inorganic Chemicals	214	84	1	1	49	*	17	0	62
325192	Cyclic Crudes and Intermediates	52	9	2	*	22	*	0	0	18
325193	Ethyl Alcohol	307	25	0	*	252	*	25	0	4
325199	Other Basic Organic Chemicals	634	33	*	1	378	*	59	0	164
325211	Plastics Materials and Resins	462	67	Q	1	307	1	12	0	73
325212	Synthetic Rubber	39	6	0	*	22	*	3	0	8
325222	Noncellulosic Organic Fibers	36	10	*	*	10	*	3	0	13
325311	Nitrogenous Fertilizers	166	12	*	*	152	*	0	0	2
325312	Phosphatic Fertilizers	35	4	*	1	27	*	2	0	*
3254	Pharmaceuticals and Medicines	91	31	*	1	49	*	4	0	7
325412	Pharmaceutical Preparation	51	19	*	*	24	*	4	0	4
325992	Photographic Film, Paper, Plate, and Chemicals	20	5	*	*	6	*	9	0	*
326	Plastics and Rubber Products	272	156	*	2	103	2	Q	0	Q
327	Nonmetallic Mineral Products	711	111	1	23	273	2	217	8	76
327121	Brick and Structural Clay Tile	20	2	*	*	16	*	1	0	1
327211	Flat Glass	49	6	0	*	43	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	37	9	0	*	28	*	0	0	Q
327213	Glass Containers	59	12	0	*	46	*	0	0	*
327215	Glass Products from Purchased Glass	14	9	0	*	5	*	*	0	*
327310	Cements	246	31	*	3	13	*	135	3	60
327410	Lime	101	5	*	5	3	*	77	1	9
327420	Gypsum	44	5	*	*	39	*	0	0	*
327993	Mineral Wool	39	12	0	*	24	*	0	3	*
331	Primary Metals	1,655	400	1	9	537	3	23	367	316
331111	Iron and Steel Mills	1,158	172	*	5	325	*	23	351	281
331112	Electrometallurgical Ferroalloy Products	13	11	0	*	1	*	0	*	1
3312	Steel Products from Purchased Steel	44	18	*	*	18	*	0	*	7
3313	Alumina and Aluminum	219	116	*	2	96	1	0	0	5
331314	Secondary Smelting and Alloying of Aluminum	24	9	*	*	14	*	0	0	*

Released: March 2013

Next MECS will be fielded in 2015

Table 3.2 Fuel Consumption, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
331315	Aluminum Sheet, Plate and Foils	57	14	*	*	40	*	0	0	2
331316	Aluminum Extruded Products	16	5	0	*	11	*	0	0	*
3314	Nonferrous Metals, except Aluminum	123	45	*	*	51	1	0	4	21
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	59	25	0	*	12	*	0	1	21
3315	Foundries	97	38	0	1	46	1	0	11	*
331511	Iron Foundries	45	19	0	*	14	*	0	11	*
331521	Aluminum Die-Casting Foundries	16	4	0	*	11	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	11	3	0	*	8	*	0	0	*
332	Fabricated Metal Products	301	127	*	3	163	5	Q	0	Q
333	Machinery	148	70	*	3	71	2	0	0	1
334	Computer and Electronic Products	144	101	*	*	42	*	0	0	*
334413	Semiconductors and Related Devices	57	37	*	*	20	*	0	0	*
335	Electrical Equip., Appliances, and Components	74	36	*	1	36	1	0	*	*
336	Transportation Equipment	275	132	2	3	127	3	3	0	5
336111	Automobiles	28	10	0	*	15	*	1	0	1
336112	Light Trucks and Utility Vehicles	38	12	0	*	23	*	1	0	1
3364	Aerospace Product and Parts	67	32	1	1	30	*	*	0	2
336411	Aircraft	19	9	*	*	10	*	0	0	*
337	Furniture and Related Products	36	17	0	*	13	1	Q	0	4
339	Miscellaneous	43	26	*	1	16	*	*	0	*
	Total	14,228	2,437	79	130	5,211	69	868	376	5,059
	Northeast Census Region									
311	Food	90	24	3	3	56	1	1	0	2
3112	Grain and Oilseed Milling	3	1	*	*	2	*	0	0	*
311221	Wet Corn Milling	*	*	*	0	0	*	0	0	0
31131	Sugar Manufacturing	1	1	0	*	*	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	13	3	1	*	7	*	1	0	1
3115	Dairy Products	14	4	1	1	8	*	0	0	*
3116	Animal Slaughtering and Processing	9	3	*	1	4	*	0	0	1
312	Beverage and Tobacco Products	12	4	1	*	6	*	0	0	1
3121	Beverages	11	4	*	*	5	*	0	0	1
3122	Tobacco	1	*	*	*	*	*	0	0	*
313	Textile Mills	8	2	1	*	5	*	0	0	*
314	Textile Product Mills	Q	Q	0	*	Q	*	Q	0	*
315	Apparel	*	*	0	0	*	0	0	0	0
316	Leather and Allied Products	*	*	*	*	*	*	0	0	*
321	Wood Products	87	3	*	1	2	*	*	0	80
321113	Sawmills	5	1	*	1	*	*	0	0	3
3212	Veneer, Plywood, and Engineered Woods	75	1	0	*	*	*	*	0	74
321219	Reconstituted Wood Products	18	1	0	*	*	*	0	0	17
3219	Other Wood Products	5	2	*	1	1	*	*	0	2
322	Paper	248	17	12	1	71	1	19	0	128
322110	Pulp Mills	26	1	2	*	1	*	0	0	22
322121	Paper Mills, except Newsprint	166	2	7	1	51	*	18	0	87
322122	Newsprint Mills	W	3	1	*	0	*	0	0	W
322130	Paperboard Mills	25	5	1	*	12	*	0	0	7
323	Printing and Related Support	16	8	Q	*	6	*	0	0	*
324	Petroleum and Coal Products	264	15	7	11	42	10	5	0	174
324110	Petroleum Refineries	238	14	6	5	31	10	1	0	171
324121	Asphalt Paving Mixture and Block	19	1	1	5	9	*	0	0	2
324199	Other Petroleum and Coal Products	6	*	*	*	1	*	4	0	*
325	Chemicals	148	41	4	1	71	*	17	0	14
325110	Petrochemicals	*	*	0	*	*	0	0	0	0
325120	Industrial Gases	11	9	0	*	*	*	0	0	2
325181	Alkalies and Chlorine	8	5	0	*	*	*	0	0	2
325182	Carbon Black	*	*	0	0	*	0	0	0	0
325188	Other Basic Inorganic Chemicals	8	3	1	*	4	*	0	0	*
325192	Cyclic Crudes and Intermediates	7	1	1	*	5	*	0	0	*
325193	Ethyl Alcohol	2	*	0	*	2	*	0	0	0
325199	Other Basic Organic Chemicals	19	2	0	*	13	*	0	0	4
325211	Plastics Materials and Resins	13	3	0	*	5	*	0	0	4
325212	Synthetic Rubber	*	*	0	0	*	*	0	0	0
325222	Noncellulosic Organic Fibers	*	*	0	*	0	*	0	0	*

Released: March 2013
Next MECS will be fielded in 2015

Table 3.2 Fuel Consumption, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
325311	Nitrogenous Fertilizers	1	*	*	*	*	*	0	0	*
325312	Phosphatic Fertilizers	*	*	0	*	*	*	0	0	*
3254	Pharmaceuticals and Medicines	31	8	*	*	22	*	0	0	1
325412	Pharmaceutical Preparation	13	4	*	*	9	*	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	16	3	*	*	4	*	9	0	*
326	Plastics and Rubber Products	20	9	0	Q	8	*	Q	0	*
327	Nonmetallic Mineral Products	88	14	*	3	38	*	25	1	7
327121	Brick and Structural Clay Tile	2	*	0	*	1	*	*	0	*
327211	Flat Glass	9	1	0	*	8	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	8	2	0	*	6	*	0	0	*
327213	Glass Containers	10	2	0	*	8	*	0	0	*
327215	Glass Products from Purchased Glass	3	1	0	*	1	*	*	0	*
327310	Cements	28	3	*	1	*	*	17	1	5
327410	Lime	5	*	0	*	0	*	4	0	1
327420	Gypsum	7	1	*	*	5	*	0	0	*
327993	Mineral Wool	4	1	0	*	3	*	0	0	*
331	Primary Metals	186	44	*	1	65	*	1	30	45
331111	Iron and Steel Mills	129	20	0	*	35	*	1	29	44
331112	Electrometallurgical Ferroalloy Products	2	2	0	*	*	*	0	0	*
3312	Steel Products from Purchased Steel	7	3	*	*	4	*	0	*	*
3313	Alumina and Aluminum	20	10	*	*	9	*	0	0	1
331314	Secondary Smelting and Alloying of Aluminum	9	7	*	*	2	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	7	2	*	*	5	*	0	0	*
331316	Aluminum Extruded Products	4	1	0	*	2	*	0	0	*
3314	Nonferrous Metals, except Aluminum	20	6	*	*	13	*	0	*	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	1	1	0	*	*	*	0	0	*
3315	Foundries	8	3	0	*	4	*	0	*	*
331511	Iron Foundries	2	1	0	*	1	*	0	*	*
331521	Aluminum Die-Casting Foundries	1	*	0	0	1	*	0	0	0
331524	Aluminum Foundries, except Die-Casting	1	*	0	*	*	*	0	0	*
332	Fabricated Metal Products	43	15	*	Q	25	1	0	0	*
333	Machinery	21	11	0	*	9	*	0	0	Q
334	Computer and Electronic Products	25	18	*	*	7	*	0	0	*
334413	Semiconductors and Related Devices	10	7	*	*	3	*	0	0	*
335	Electrical Equip., Appliances, and Components	13	6	*	1	6	*	0	*	*
336	Transportation Equipment	26	10	1	*	14	*	0	0	1
336111	Automobiles	*	*	0	0	*	*	0	0	*
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	12	3	1	*	7	*	0	0	1
336411	Aircraft	5	1	*	*	3	*	0	0	*
337	Furniture and Related Products	5	2	0	*	2	*	0	0	*
339	Miscellaneous	13	6	0	*	6	*	0	0	*
	Total	1,317	254	30	25	439	14	71	31	452
	Midwest Census Region									
311	Food	561	113	3	2	251	2	145	1	44
3112	Grain and Oilseed Milling	273	39	*	*	84	*	115	0	34
311221	Wet Corn Milling	198	22	0	*	48	*	104	0	24
31131	Sugar Manufacturing	37	2	1	*	5	*	28	1	*
3114	Fruit and Vegetable Preserving and Specialty Foods	26	8	*	*	17	*	1	0	1
3115	Dairy Products	40	11	1	1	26	*	*	0	1
3116	Animal Slaughtering and Processing	95	29	1	*	60	*	0	0	4
312	Beverage and Tobacco Products	19	5	*	*	8	*	6	0	*
3121	Beverages	19	5	*	*	8	*	6	0	*
3122	Tobacco	*	*	0	0	*	*	0	0	0
313	Textile Mills	3	1	0	*	1	*	0	0	*
314	Textile Product Mills	Q	Q	0	0	*	*	0	0	0
315	Apparel	*	*	0	0	*	0	0	0	0
316	Leather and Allied Products	1	*	0	*	1	*	0	0	*
321	Wood Products	52	8	*	4	6	1	1	0	31
321113	Sawmills	28	1	*	Q	1	*	0	0	23
3212	Veneer, Plywood, and Engineered Woods	10	2	*	*	2	*	1	0	4
321219	Reconstituted Wood Products	7	1	*	*	2	*	1	0	3
3219	Other Wood Products	13	5	0	1	3	*	0	0	4

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Next MECS will be fielded in 2015

Table 3.2 Fuel Consumption, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
322	Paper	292	51	1	1	88	1	57	0	94
322110	Pulp Mills	2	1	0	*	1	*	0	0	*
322121	Paper Mills, except Newsprint	190	23	1	*	39	*	44	0	83
322122	Newsprint Mills	10	5	0	*	*	*	2	0	3
322130	Paperboard Mills	45	9	*	*	20	*	7	0	8
323	Printing and Related Support	28	15	0	*	13	*	0	0	*
324	Petroleum and Coal Products	514	29	1	1	126	1	Q	0	355
324110	Petroleum Refineries	481	28	1	1	108	1	0	0	343
324121	Asphalt Paving Mixture and Block	13	1	*	1	10	*	Q	0	1
324199	Other Petroleum and Coal Products	11	-1	0	*	2	*	0	0	9
325	Chemicals	623	117	*	1	341	4	58	0	101
325110	Petrochemicals	2	*	*	*	2	*	0	0	*
325120	Industrial Gases	29	28	0	*	1	0	0	0	0
325181	Alkalies and Chlorine	W	4	0	*	W	*	0	0	*
325182	Carbon Black	W	*	0	*	*	*	0	0	W
325188	Other Basic Inorganic Chemicals	62	5	0	*	13	*	0	0	44
325192	Cyclic Crudes and Intermediates	14	2	*	*	5	*	0	0	6
325193	Ethyl Alcohol	254	21	0	*	206	*	25	0	2
325199	Other Basic Organic Chemicals	57	12	0	*	16	*	14	0	15
325211	Plastics Materials and Resins	43	11	*	*	14	*	6	0	11
325212	Synthetic Rubber	6	1	0	*	3	*	1	0	*
325222	Noncellulosic Organic Fibers	*	*	0	0	*	*	0	0	*
325311	Nitrogenous Fertilizers	41	4	0	*	35	*	0	0	2
325312	Phosphatic Fertilizers	*	*	0	*	*	*	0	0	*
3254	Pharmaceuticals and Medicines	28	10	*	*	12	*	4	0	2
325412	Pharmaceutical Preparation	19	7	0	*	6	*	4	0	2
325992	Photographic Film, Paper, Plate, and Chemicals	1	*	0	*	*	*	0	0	*
326	Plastics and Rubber Products	91	53	0	*	37	1	0	0	Q
327	Nonmetallic Mineral Products	211	30	*	4	71	*	64	4	39
327121	Brick and Structural Clay Tile	4	*	0	*	3	*	*	0	*
327211	Flat Glass	16	2	0	*	14	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	9	2	0	*	8	*	0	0	*
327213	Glass Containers	15	3	0	*	12	*	0	0	*
327215	Glass Products from Purchased Glass	5	3	0	*	1	*	0	0	*
327310	Cements	74	9	0	1	2	*	31	1	30
327410	Lime	45	2	*	*	2	*	32	1	8
327420	Gypsum	9	1	0	*	8	*	0	0	*
327993	Mineral Wool	17	5	0	*	9	*	0	3	*
331	Primary Metals	874	159	*	4	268	1	17	218	206
331111	Iron and Steel Mills	694	67	*	3	202	*	17	208	196
331112	Electrometallurgical Ferroalloy Products	6	4	0	*	*	*	0	*	1
3312	Steel Products from Purchased Steel	21	5	0	*	9	*	0	0	7
3313	Alumina and Aluminum	69	45	0	*	22	*	0	0	2
331314	Secondary Smelting and Alloying of Aluminum	7	1	0	*	7	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	16	4	0	*	10	*	0	0	2
331316	Aluminum Extruded Products	W	W	0	*	W	*	0	0	*
3314	Nonferrous Metals, except Aluminum	28	15	0	*	10	1	0	2	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	13	10	0	*	2	*	0	1	*
3315	Foundries	58	23	0	*	26	*	0	7	*
331511	Iron Foundries	29	13	0	*	8	*	0	7	*
331521	Aluminum Die-Casting Foundries	10	3	0	*	7	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	6	2	0	*	4	*	0	0	*
332	Fabricated Metal Products	140	56	0	*	81	2	0	0	*
333	Machinery	81	33	*	2	44	1	0	0	1
334	Computer and Electronic Products	24	16	0	*	8	*	0	0	*
334413	Semiconductors and Related Devices	3	2	0	*	1	*	0	0	*
335	Electrical Equip., Appliances, and Components	21	10	0	*	11	*	0	0	*
336	Transportation Equipment	146	67	*	Q	70	2	3	0	3
336111	Automobiles	19	6	0	*	11	*	1	0	1
336112	Light Trucks and Utility Vehicles	24	7	0	*	15	*	1	0	1
3364	Aerospace Product and Parts	14	7	*	*	6	*	0	0	1
336411	Aircraft	4	2	0	*	2	*	0	0	*
337	Furniture and Related Products	13	6	0	*	5	*	Q	0	1
339	Miscellaneous	8	4	0	*	3	*	*	0	*
	Total	3,703	776	5	21	1,434	17	352	223	877

Released: March 2013

Next MECS will be fielded in 2015

Table 3.2 Fuel Consumption, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
		South Census Region								
311	Food	297	79	6	5	146	2	16	0	43
3112	Grain and Oilseed Milling	60	13	*	*	29	*	11	0	8
311221	Wet Corn Milling	14	3	0	*	4	*	7	0	*
31131	Sugar Manufacturing	40	1	*	*	6	*	1	0	31
3114	Fruit and Vegetable Preserving and Specialty Foods	30	8	1	*	19	*	0	0	1
3115	Dairy Products	13	6	0	*	6	*	0	0	*
3116	Animal Slaughtering and Processing	90	31	4	2	48	1	Q	0	3
312	Beverage and Tobacco Products	36	12	*	1	16	*	4	0	3
3121	Beverages	27	9	*	1	12	*	3	0	3
3122	Tobacco	9	3	*	*	4	*	2	0	*
313	Textile Mills	80	41	1	Q	23	1	8	0	6
314	Textile Product Mills	15	6	*	*	8	*	0	0	*
315	Apparel	5	3	0	*	2	*	0	0	*
316	Leather and Allied Products	*	*	0	*	*	*	0	0	*
321	Wood Products	245	30	*	5	17	1	*	0	191
321113	Sawmills	143	9	0	1	2	*	0	0	130
3212	Veneer, Plywood, and Engineered Woods	76	14	*	Q	11	*	*	0	49
321219	Reconstituted Wood Products	49	10	*	Q	10	*	*	0	28
3219	Other Wood Products	20	6	0	Q	2	1	0	0	10
322	Paper	1,342	95	20	4	183	1	115	*	923
322110	Pulp Mills	213	4	4	1	18	*	*	0	186
322121	Paper Mills, except Newsprint	393	29	6	1	56	*	51	0	249
322122	Newsprint Mills	W	11	0	*	1	*	7	0	W
322130	Paperboard Mills	659	33	10	1	87	*	57	*	470
323	Printing and Related Support	30	16	0	*	13	*	0	0	*
324	Petroleum and Coal Products	1,773	93	4	8	529	4	1	0	1,135
324110	Petroleum Refineries	1,711	89	2	2	511	4	0	0	1,103
324121	Asphalt Paving Mixture and Block	21	1	2	6	10	*	0	0	2
324199	Other Petroleum and Coal Products	33	*	0	*	1	*	0	0	31
325	Chemicals	2,321	261	3	5	1,328	3	77	0	643
325110	Petrochemicals	566	22	1	*	246	1	0	0	295
325120	Industrial Gases	49	24	0	*	25	*	0	0	*
325181	Alkalies and Chlorine	W	17	0	*	W	*	7	0	13
325182	Carbon Black	W	1	*	*	10	*	0	0	W
325188	Other Basic Inorganic Chemicals	112	69	*	*	26	*	1	0	16
325192	Cyclic Crudes and Intermediates	30	6	*	*	11	*	0	0	13
325193	Ethyl Alcohol	41	3	0	*	38	*	0	0	*
325199	Other Basic Organic Chemicals	553	18	*	1	347	*	44	0	144
325211	Plastics Materials and Resins	404	52	Q	1	286	1	6	0	57
325212	Synthetic Rubber	32	4	0	*	18	*	2	0	8
325222	Noncellulosic Organic Fibers	35	9	*	*	9	*	3	0	13
325311	Nitrogenous Fertilizers	122	7	0	*	116	*	0	0	*
325312	Phosphatic Fertilizers	31	3	*	1	24	*	2	0	*
3254	Pharmaceuticals and Medicines	25	10	*	*	11	*	0	0	3
325412	Pharmaceutical Preparation	15	6	*	*	6	*	0	0	2
325992	Photographic Film, Paper, Plate, and Chemicals	1	1	0	*	1	*	0	0	*
326	Plastics and Rubber Products	121	65	*	1	49	1	0	0	Q
327	Nonmetallic Mineral Products	295	48	*	11	125	1	84	2	24
327121	Brick and Structural Clay Tile	13	1	*	*	10	*	1	0	1
327211	Flat Glass	18	2	0	*	15	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	18	5	0	*	13	*	0	0	Q
327213	Glass Containers	20	4	0	*	16	*	0	0	*
327215	Glass Products from Purchased Glass	5	3	0	*	2	*	0	0	*
327310	Cements	98	13	*	1	9	*	55	1	19
327410	Lime	37	2	0	4	1	*	29	1	*
327420	Gypsum	20	2	0	*	18	*	0	0	*
327993	Mineral Wool	13	4	0	*	9	*	0	*	*
331	Primary Metals	508	155	*	4	162	1	4	118	64
331111	Iron and Steel Mills	311	76	*	2	76	*	4	114	40
331112	Electrometallurgical Ferroalloy Products	5	5	0	*	*	0	0	0	*
3312	Steel Products from Purchased Steel	16	10	0	*	5	*	0	0	*
3313	Alumina and Aluminum	106	44	*	1	57	*	0	0	3
331314	Secondary Smelting and Alloying of Aluminum	6	1	0	*	5	*	0	0	*

Released: March 2013

Next MECS will be fielded in 2015

Table 3.2 Fuel Consumption, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
331315	Aluminum Sheet, Plate and Foils	29	7	*	*	22	*	0	0	*
331316	Aluminum Extruded Products	7	1	0	*	5	*	0	0	*
3314	Nonferrous Metals, except Aluminum	46	12	0	*	12	*	0	1	21
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	27	7	0	*	*	*	0	0	21
3315	Foundries	24	9	0	*	11	*	0	3	*
331511	Iron Foundries	12	4	0	*	5	*	0	3	*
331521	Aluminum Die-Casting Foundries	4	1	0	*	3	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	3	*	0	*	2	*	0	0	*
332	Fabricated Metal Products	91	44	0	1	43	2	0	0	Q
333	Machinery	41	21	0	1	18	1	0	0	*
334	Computer and Electronic Products	43	34	0	*	8	*	0	0	*
334413	Semiconductors and Related Devices	14	11	0	*	4	*	0	0	*
335	Electrical Equip., Appliances, and Components	37	19	0	*	17	*	0	0	*
336	Transportation Equipment	74	39	1	1	30	1	1	0	1
336111	Automobiles	8	4	0	*	4	*	*	0	*
336112	Light Trucks and Utility Vehicles	14	5	0	*	8	*	0	0	*
3364	Aerospace Product and Parts	19	10	*	1	7	*	*	0	1
336411	Aircraft	7	4	*	*	3	*	0	0	*
337	Furniture and Related Products	16	7	0	*	5	*	*	0	Q
339	Miscellaneous	12	8	*	*	3	*	0	0	*
	Total	7,379	1,078	36	47	2,724	20	311	120	3,042
	West Census Region									
311	Food	211	41	*	11	127	1	20	*	11
3112	Grain and Oilseed Milling	13	3	0	*	6	*	0	0	Q
311221	Wet Corn Milling	2	*	0	*	1	*	0	0	1
31131	Sugar Manufacturing	30	1	0	*	4	*	20	*	5
3114	Fruit and Vegetable Preserving and Specialty Foods	74	12	*	Q	57	*	0	0	1
3115	Dairy Products	38	11	0	*	26	*	0	0	*
3116	Animal Slaughtering and Processing	19	6	0	*	12	*	0	0	*
312	Beverage and Tobacco Products	20	8	0	*	9	1	0	0	3
3121	Beverages	20	8	0	*	9	1	0	0	3
3122	Tobacco	*	*	0	0	0	*	0	0	0
313	Textile Mills	3	1	*	*	2	*	0	0	*
314	Textile Product Mills	Q	Q	0	*	*	*	0	0	*
315	Apparel	*	*	0	0	*	0	0	0	0
316	Leather and Allied Products	*	*	0	0	*	*	0	0	0
321	Wood Products	87	10	0	Q	9	1	0	0	55
321113	Sawmills	55	4	0	Q	3	*	0	0	39
3212	Veneer, Plywood, and Engineered Woods	22	5	0	*	5	*	0	0	12
321219	Reconstituted Wood Products	8	2	0	*	2	*	0	0	3
3219	Other Wood Products	9	2	0	Q	1	*	0	0	4
322	Paper	228	44	2	1	57	1	16	0	108
322110	Pulp Mills	7	1	1	*	*	*	0	0	5
322121	Paper Mills, except Newsprint	74	8	*	*	26	*	0	0	40
322122	Newsprint Mills	42	20	*	*	2	*	13	0	6
322130	Paperboard Mills	95	12	*	1	23	*	3	0	56
323	Printing and Related Support	Q	Q	0	0	2	*	0	0	0
324	Petroleum and Coal Products	767	23	5	4	221	11	5	0	498
324110	Petroleum Refineries	746	22	5	4	209	10	0	0	496
324121	Asphalt Paving Mixture and Block	13	1	*	1	10	*	0	0	2
324199	Other Petroleum and Coal Products	5	*	0	*	*	*	5	0	*
325	Chemicals	131	31	0	1	44	*	48	0	7
325110	Petrochemicals	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	6	6	0	0	*	0	0	0	0
325181	Alkalies and Chlorine	58	6	0	*	18	*	32	0	2
325182	Carbon Black	*	*	0	*	*	*	0	0	*
325188	Other Basic Inorganic Chemicals	32	8	0	*	6	*	16	0	2
325192	Cyclic Crudes and Intermediates	*	*	0	*	*	*	0	0	*
325193	Ethyl Alcohol	9	1	0	*	6	*	0	0	2
325199	Other Basic Organic Chemicals	5	1	0	*	2	*	0	0	1
325211	Plastics Materials and Resins	2	1	0	*	1	*	0	0	*
325212	Synthetic Rubber	*	*	0	*	*	*	0	0	*
325222	Noncellulosic Organic Fibers	*	*	0	0	*	*	0	0	0

Released: March 2013

Next MECS will be fielded in 2015

Table 3.2 Fuel Consumption, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
325311	Nitrogenous Fertilizers	2	1	0	*	1	*	0	0	*
325312	Phosphatic Fertilizers	4	1	0	*	3	*	0	0	*
3254	Pharmaceuticals and Medicines	8	3	0	*	4	*	0	0	*
325412	Pharmaceutical Preparation	4	2	0	*	2	*	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	2	1	0	*	1	*	0	0	*
326	Plastics and Rubber Products	39	29	0	*	10	*	0	0	*
327	Nonmetallic Mineral Products	116	18	*	6	40	Q	44	*	6
327121	Brick and Structural Clay Tile	2	*	0	*	1	*	0	0	*
327211	Flat Glass	6	1	0	*	6	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	2	*	0	*	1	*	0	0	*
327213	Glass Containers	13	3	0	*	10	*	0	0	*
327215	Glass Products from Purchased Glass	1	1	0	*	*	*	0	0	*
327310	Cements	46	6	0	*	2	*	32	*	6
327410	Lime	14	1	0	*	*	*	13	0	*
327420	Gypsum	9	1	0	*	8	*	0	0	*
327993	Mineral Wool	4	2	0	*	3	*	0	0	*
331	Primary Metals	86	42	0	*	42	*	*	1	1
331111	Iron and Steel Mills	24	10	0	*	13	*	*	*	1
331112	Electrometallurgical Ferroalloy Products	*	*	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	1	*	0	*	*	*	0	0	*
3313	Alumina and Aluminum	24	17	0	*	7	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	1	*	0	*	1	*	0	0	0
331315	Aluminum Sheet, Plate and Foils	4	1	0	*	2	*	0	0	*
331316	Aluminum Extruded Products	W	W	0	*	W	*	0	0	*
3314	Nonferrous Metals, except Aluminum	30	12	0	*	17	*	0	*	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	18	8	0	*	9	*	0	0	*
3315	Foundries	7	2	0	*	4	*	0	1	*
331511	Iron Foundries	2	*	0	*	1	*	0	1	*
331521	Aluminum Die-Casting Foundries	*	*	0	0	*	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	2	1	0	*	1	*	0	0	*
332	Fabricated Metal Products	27	12	0	*	13	*	Q	0	Q
333	Machinery	6	4	0	*	Q	*	0	0	*
334	Computer and Electronic Products	52	33	0	*	19	*	0	0	*
334413	Semiconductors and Related Devices	29	17	0	*	12	*	0	0	*
335	Electrical Equip., Appliances, and Components	3	2	0	*	Q	*	0	0	*
336	Transportation Equipment	29	16	0	*	12	*	0	0	*
336111	Automobiles	*	*	0	0	*	*	0	0	0
336112	Light Trucks and Utility Vehicles	*	*	0	0	*	0	0	0	0
3364	Aerospace Product and Parts	23	12	0	*	10	*	0	0	*
336411	Aircraft	4	2	0	*	2	*	0	0	*
337	Furniture and Related Products	3	1	0	0	1	*	0	0	*
339	Miscellaneous	11	7	0	*	3	*	0	0	*
	Total	1,829	329	7	36	614	17	134	2	689

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

(b) '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).

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

(d) '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.

(e) Examples of Liquefied Petroleum Gases '(LPG)' are 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).'

(f) '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.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

Released: March 2013

Next MECS will be fielded in 2015

Table 3.2 Fuel Consumption, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)

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 estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells. During manufacturing processes, it is possible that the thermal energy content of an energy input is not completely consumed for the production of heat, power, or electricity generation. Hence, residuals of that input may remain. Those residual leftovers may be subsequently consumed for fuel purposes, whether onsite or offsite at another manufacturing establishment (for example, blast furnace gas as a byproduct recovered from coke and other inputs that were not completely consumed). In such cases, double counting of inputs cannot be avoided, and the "Fuel Consumption" estimates will be inflated.
Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2010.

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Next MECS will be fielded in 2015

Table 3.3 Fuel Consumption, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Energy Sources;
Unit: Trillion Btu.

Economic Characteristic(a)	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
Total United States									
Value of Shipments and Receipts (million dollars)									
Under 20	1,148	314	6	53	446	14	25	Q	291
20-49	1,018	297	13	22	381	18	97	5	185
50-99	1,095	305	7	13	440	6	130	9	186
100-249	1,728	411	16	11	793	7	131	7	353
250-499	1,916	391	16	11	583	3	185	5	722
500 and Over	7,323	720	21	21	2,569	21	300	348	3,323
Total	14,228	2,437	79	130	5,211	69	868	376	5,059
Employment Size									
Under 50	1,149	305	12	45	565	21	31	1	169
50-99	1,139	247	5	19	485	8	66	3	306
100-249	2,355	526	16	25	978	14	234	12	550
250-499	3,055	515	18	18	1,016	13	256	7	1,213
500-999	3,656	493	20	12	1,122	6	147	19	1,837
1000 and Over	2,875	351	8	11	1,045	6	134	335	984
Total	14,228	2,437	79	130	5,211	69	868	376	5,059
Northeast Census Region									
Value of Shipments and Receipts (million dollars)									
Under 20	212	49	3	11	67	2	2	*	79
20-49	172	34	9	8	42	9	9	0	60
50-99	144	40	6	2	63	1	11	5	18
100-249	178	44	7	2	75	1	15	*	35
250-499	198	35	1	1	74	1	24	*	62
500 and Over	412	51	5	2	117	1	11	26	198
Total	1,317	254	30	25	439	14	71	31	452
Employment Size									
Under 50	165	38	7	14	55	10	1	*	41
50-99	132	30	2	3	54	1	5	0	38
100-249	279	69	8	3	97	1	21	5	75
250-499	198	42	5	1	64	1	13	1	71
500-999	361	43	7	2	101	1	24	*	183
1000 and Over	182	32	1	1	69	*	9	26	44
Total	1,317	254	30	25	439	14	71	31	452
Midwest Census Region									
Value of Shipments and Receipts (million dollars)									
Under 20	350	100	*	8	167	4	7	Q	64
20-49	303	95	*	1	132	3	33	3	35
50-99	332	91	*	1	163	2	35	2	38
100-249	594	139	1	2	341	3	60	4	44

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Next MECS will be fielded in 2015

Table 3.3 Fuel Consumption, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Energy Sources;
Unit: Trillion Btu.

Economic Characteristic(a)	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
250-499	321	98	1	1	132	1	42	4	42
500 and Over	1,804	254	2	7	499	4	174	208	655
Total	3,703	776	5	21	1,434	17	352	223	877
Employment Size									
Under 50	461	108	*	7	259	3	18	1	65
50-99	371	84	Q	2	218	3	25	Q	37
100-249	574	148	2	2	255	3	79	3	82
250-499	724	161	1	1	237	3	162	4	154
500-999	626	153	*	3	166	2	21	18	263
1000 and Over	948	123	1	5	299	2	47	195	276
Total	3,703	776	5	21	1,434	17	352	223	877
South Census Region									
Value of Shipments and Receipts (million dollars)									
Under 20	444	114	2	13	160	4	11	*	139
20-49	359	119	3	8	131	3	28	2	65
50-99	438	132	*	8	151	2	45	2	98
100-249	770	170	7	5	302	3	36	2	246
250-499	1,137	191	14	6	298	2	76	*	551
500 and Over	4,230	353	9	8	1,682	6	115	114	1,943
Total	7,379	1,078	36	47	2,724	20	311	120	3,042
Employment Size									
Under 50	374	111	4	12	184	4	5	*	55
50-99	496	101	2	4	157	3	17	1	211
100-249	1,166	240	4	13	516	4	78	2	309
250-499	1,622	235	8	9	564	4	53	1	747
500-999	2,196	227	12	6	703	3	80	1	1,164
1000 and Over	1,524	164	6	4	599	2	78	114	557
Total	7,379	1,078	36	47	2,724	20	311	120	3,042
West Census Region									
Value of Shipments and Receipts (million dollars)									
Under 20	143	50	*	21	53	4	6	*	9
20-49	184	50	*	Q	76	2	26	0	25
50-99	181	42	*	2	63	1	39	1	33
100-249	186	59	2	2	74	1	20	*	28
250-499	259	67	*	3	79	1	42	*	68
500 and Over	876	62	5	4	270	9	0	0	527
Total	1,829	329	7	36	614	17	134	2	689
Employment Size									
Under 50	148	48	1	11	67	4	8	*	9
50-99	141	33	0	Q	56	1	20	0	20
100-249	335	69	3	6	110	5	56	1	84
250-499	512	77	4	7	150	5	27	*	242

Released: March 2013
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Table 3.3 Fuel Consumption, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Energy Sources;
Unit: Trillion Btu.

Economic Characteristic(a)	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
500-999	472	70	*	1	152	1	22	0	226
1000 and Over	221	32	0	*	79	2	0	0	108
Total	1,829	329	7	36	614	17	134	2	689

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

(b) '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).

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

(d) '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.

(e) Examples of Liquefied Petroleum Gases '(LPG)' are 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).'

(f) '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.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

Notes: Totals may not equal sum of components because of independent rounding. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells. During manufacturing processes, it is possible that the thermal energy content of an energy input is not completely consumed for the production of heat, power, or electricity generation. Hence, residuals of that input may remain. Those residual leftovers may be subsequently consumed for fuel purposes, whether onsite or offsite at another manufacturing establishment (for example, blast furnace gas as a byproduct recovered from coke and other inputs that were not completely consumed). In such cases, double counting of inputs cannot be avoided, and the "Fuel Consumption" estimates will be inflated.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2010, and the Bureau of the Census, data files for the '2010 Annual Survey of Manufacturers.'

Released: March 2013
Next MECS will be conducted in 2015

Table 3.4 Number of Establishments by Fuel Consumption, 2006;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	Any Combustible Energy Source(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)
		Total United States								
311	Food	14,128	14,113	326	1,462	11,395	2,920	67	13	1,240
3112	Grain and Oilseed Milling	580	580	15	174	445	269	35	0	148
311221	Wet Corn Milling	47	47	W	17	44	19	18	0	18
31131	Sugar Manufacturing	78	78	11	43	61	35	26	13	45
3114	Fruit and Vegetable Preserving and Specialty Food	1,125	1,125	13	112	961	325	W	0	127
3115	Dairy Product	1,044	1,044	25	88	941	147	W	0	104
3116	Animal Slaughtering and Processing	1,715	1,715	45	393	1,542	352	0	0	228
312	Beverage and Tobacco Products	1,830	1,830	15	348	957	790	17	0	234
3121	Beverages	1,758	1,758	8	319	900	758	10	0	224
3122	Tobacco	72	72	7	30	57	33	7	0	10
313	Textile Mills	1,966	1,966	116	179	1,532	630	51	0	193
314	Textile Product Mills	3,332	3,332	23	106	1,925	687	Q	0	178
315	Apparel	5,567	5,499	W	Q	2,977	360	0	0	Q
316	Leather and Allied Products	687	687	3	Q	392	57	0	0	Q
321	Wood Products	10,785	10,777	103	3,302	4,327	4,477	Q	W	2,189
321113	Sawmills	2,282	2,274	9	1,241	432	534	0	0	677
3212	Veneer, Plywood, and Engineered Woods	1,462	1,462	3	385	804	712	Q	0	230
3219	Other Wood Products	6,688	6,688	86	1,474	2,908	3,138	W	W	1,169
322	Paper	3,957	3,928	208	411	3,215	2,032	107	0	463
322110	Pulp Mills	32	32	12	21	27	14	W	0	25
322121	Paper Mills, except Newsprint	288	288	87	113	241	176	59	0	142
322122	Newsprint Mills	20	20	3	11	14	12	3	0	12
322130	Paperboard Mills	200	200	61	110	176	123	38	0	88
323	Printing and Related Support	18,917	18,830	Q	249	12,825	2,177	0	0	378
324	Petroleum and Coal Products	1,813	1,813	98	764	996	467	7	W	481
324110	Petroleum Refineries	209	209	31	95	200	96	W	0	180
324199	Other Petroleum and Coal Products	48	48	0	21	41	13	4	W	23
325	Chemicals	8,623	8,621	91	1,603	6,398	2,268	61	W	1,133
325110	Petrochemicals	45	45	W	14	37	9	0	0	24
325120	Industrial Gases	560	560	0	9	251	36	0	0	62
325181	Alkalies and Chlorine	32	32	0	19	26	12	4	0	23
325182	Carbon Black	24	24	W	7	23	7	0	0	8
325188	Other Basic Inorganic Chemicals	473	473	10	151	326	194	6	0	118
325192	Cyclic Crudes and Intermediates	25	25	W	9	23	7	0	0	11

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Table 3.4 Number of Establishments by Fuel Consumption, 2006;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	Any Combustible Energy Source(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)
325193	Ethyl Alcohol	65	65	0	26	64	14	7	0	15
325199	Other Basic Organic Chemicals	488	488	16	163	426	177	9	0	155
325211	Plastics Materials and Resins	558	557	4	181	510	241	5	W	208
325212	Synthetic Rubber	92	92	W	21	70	36	W	0	15
325222	Noncellulosic Organic Fibers	77	77	13	27	63	32	8	0	27
325311	Nitrogenous Fertilizers	65	65	0	21	47	23	0	0	22
325312	Phosphatic Fertilizers	32	32	W	20	25	11	W	0	23
3254	Pharmaceuticals and Medicines	1,123	1,123	24	271	878	157	10	0	78
325412	Pharmaceutical Preparation	580	580	16	156	452	92	8	0	56
325992	Photographic Film, Paper, Plate, and Chemicals	143	143	W	16	107	31	W	0	Q
326	Plastics and Rubber Products	9,823	9,823	92	647	7,669	3,474	W	0	809
327	Nonmetallic Mineral Products	11,914	11,914	104	3,606	6,449	3,229	194	18	1,907
327211	Flat Glass	42	42	W	29	41	28	0	0	23
327212	Other Pressed and Blown Glass and Glassware	157	157	0	37	113	98	0	0	36
327213	Glass Containers	55	55	0	26	55	29	0	0	22
327215	Glass Products from Purchased Glass	768	768	0	94	495	300	Q	0	100
327310	Cements	188	188	6	85	93	36	81	3	76
327410	Lime	62	62	W	51	40	27	46	5	45
327420	Gypsum	145	145	W	61	112	95	0	0	35
327993	Mineral Wool	188	188	0	35	156	93	0	10	21
331	Primary Metals	3,290	3,271	30	921	2,916	1,599	24	86	859
331111	Iron and Steel Mills	348	347	9	145	300	134	14	21	152
331112	Electrometallurgical Ferroalloy Products	18	18	0	14	18	9	W	W	14
3312	Steel Products from Purchased Steel	446	446	0	113	390	210	W	0	113
3313	Alumina and Aluminum	384	384	4	109	362	194	W	0	87
331314	Secondary Smelting and Alloying of Aluminum	97	97	W	40	90	43	W	0	19
331315	Aluminum Sheet, Plate and Foils	56	56	0	23	54	30	0	0	15
331316	Aluminum Extruded Products	150	150	W	22	142	80	0	0	38
3314	Nonferrous Metals, except Aluminum	574	574	W	168	453	263	5	W	190
3315	Foundries	1,520	1,503	W	372	1,393	789	0	52	305
331511	Iron Foundries	379	379	W	185	333	219	0	52	101
331521	Aluminum Die-Casting Foundries	185	185	0	5	172	62	0	0	32
331524	Aluminum Foundries, except Die-Casting	309	309	W	47	279	156	0	0	59
332	Fabricated Metal Products	35,520	35,520	Q	3,298	25,150	13,059	0	W	4,934
333	Machinery	16,296	16,296	W	1,707	12,891	4,894	W	0	1,898
334	Computer and Electronic Products	8,188	8,188	7	541	5,323	992	0	0	426

Released: March 2013
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Table 3.4 Number of Establishments by Fuel Consumption, 2006;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	Any Combustible Energy Source(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)
334413	Semiconductors and Related Devices	522	522	W	104	462	45	0	0	24
335	Electrical Equip., Appliances, and Components	3,596	3,596	0	299	2,818	965	0	0	349
336	Transportation Equipment	7,024	7,024	111	1,096	5,434	2,754	13	W	1,369
336111	Automobiles	77	77	W	23	68	42	4	0	29
336112	Light Trucks and Utility Vehicles	47	47	W	25	42	17	W	0	28
3364	Aerospace Product and Parts	910	910	Q	70	671	426	W	0	193
336411	Aircraft	105	105	W	24	78	38	0	0	18
337	Furniture and Related Products	11,545	11,368	Q	879	6,753	3,139	29	0	1,073
339	Miscellaneous	15,702	15,702	Q	704	9,609	3,097	0	0	1,059
	Total	**194,504**	**194,099**	**2,000**	**22,239**	**131,949**	**54,065**	**694**	**134**	**21,331**

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

(b)'Any Energy Source' represents the non-duplicative total of establishments identified with any of the listed energy sources. This count includes only those establishments that reported this activity in 2006.

(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

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

(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) Examples of Liquefied Petroleum Gases '(LPG)' are 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'.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

Notes: To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. Totals may not equal sum of components because of independent rounding. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and A143purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells. During manufacturing processes, it is possible that the thermal energy content of an energy input is not completely consumed for the production of heat, power, or electricity generation. Hence, residuals of that input may remain. Those residual leftovers may be subsequently consumed for fuel purposes, whether onsite or offsite at another manufacturing establishment (for example, blast furnace gas as a byproduct recovered from coke and other inputs that were not completely consumed). In such cases, double counting of inputs cannot be avoided, and the "Fuel Consumption" estimates will be inflated.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2006 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2006.

Released: March 2013

Next MECS will be fielded in 2015

Table 3.5 Selected Byproducts in Fuel Consumption, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark
	Total United States						
311	Food	11	0	7	0	0	1
3112	Grain and Oilseed Milling	5	0	2	0	0	*
311221	Wet Corn Milling	*	0	*	0	0	0
31131	Sugar Manufacturing	*	0	*	0	0	*
3114	Fruit and Vegetable Preserving and Specialty Foods	1	0	1	0	0	0
3115	Dairy Products	1	0	1	0	0	0
3116	Animal Slaughtering and Processing	4	0	4	0	0	*
312	Beverage and Tobacco Products	3	0	2	0	0	1
3121	Beverages	3	0	2	0	0	1
3122	Tobacco	0	0	0	0	0	0
313	Textile Mills	0	0	0	0	0	0
314	Textile Product Mills	*	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	218	0	0	0	0	212
321113	Sawmills	100	0	0	0	0	99
3212	Veneer, Plywood, and Engineered Woods	95	0	0	0	0	93
321219	Reconstituted Wood Products	52	0	0	0	0	51
3219	Other Wood Products	19	0	0	0	0	18
322	Paper	1,205	0	3	24	824	343
322110	Pulp Mills	207	0	0	W	169	W
322121	Paper Mills, except Newsprint	446	0	2	W	295	W
322122	Newsprint Mills	23	0	0	0	11	12
322130	Paperboard Mills	526	0	1	W	347	W
323	Printing and Related Support	*	*	0	0	0	*
324	Petroleum and Coal Products	1,956	15	1,349	585	0	0
324110	Petroleum Refineries	1,901	0	1,347	553	0	0
324121	Asphalt Paving Mixture and Block	6	0	0	0	0	0
324199	Other Petroleum and Coal Products	49	15	1	32	0	0
325	Chemicals	389	2	376	3	0	1
325110	Petrochemicals	191	0	190	0	0	0
325120	Industrial Gases	0	0	0	0	0	0
325181	Alkalies and Chlorine	1	0	1	0	0	0
325182	Carbon Black	W	0	W	0	0	0
325188	Other Basic Inorganic Chemicals	2	2	*	0	0	0
325192	Cyclic Crudes and Intermediates	2	0	1	0	0	0
325193	Ethyl Alcohol	1	0	1	0	0	1
325199	Other Basic Organic Chemicals	89	0	88	0	0	0
325211	Plastics Materials and Resins	24	0	20	0	0	0
325212	Synthetic Rubber	*	0	*	0	0	0
325222	Noncellulosic Organic Fibers	3	0	3	0	0	0
325311	Nitrogenous Fertilizers	1	0	1	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	1	0	*	0	0	1
325412	Pharmaceutical Preparation	1	0	*	0	0	1
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	*	0	0	0
326	Plastics and Rubber Products	*	0	0	0	0	*
327	Nonmetallic Mineral Products	54	0	1	44	0	2
327121	Brick and Structural Clay Tile	1	0	*	*	0	1
327211	Flat Glass	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0

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Next MECS will be fielded in 2015

Table 3.5 Selected Byproducts in Fuel Consumption, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark
327213	Glass Containers	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	*	0	0	0	0	0
327310	Cements	40	0	1	35	0	*
327410	Lime	9	0	*	9	0	0
327420	Gypsum	*	0	0	0	0	*
327993	Mineral Wool	*	0	0	0	0	0
331	Primary Metals	270	264	0	2	0	4
331111	Iron and Steel Mills	265	264	0	2	0	0
331112	Electrometallurgical Ferroalloy Products	1	0	0	0	0	1
3312	Steel Products from Purchased Steel	*	0	0	0	0	*
3313	Alumina and Aluminum	*	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	*	0	0	0	0	0
331316	Aluminum Extruded Products	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	3	0	0	*	0	3
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	3	0	0	*	0	3
3315	Foundries	*	*	0	*	0	0
331511	Iron Foundries	*	0	0	*	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	*	0	0	0	0
332	Fabricated Metal Products	Q	*	0	0	0	Q
333	Machinery	Q	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
336	Transportation Equipment	2	0	2	0	0	0
336111	Automobiles	1	0	1	0	0	0
336112	Light Trucks and Utility Vehicles	1	0	1	0	0	0
3364	Aerospace Product and Parts	1	0	1	0	0	0
336411	Aircraft	*	0	0	0	0	0
337	Furniture and Related Products	4	0	0	0	0	4
339	Miscellaneous	*	0	0	0	0	*
	Total	4,114	281	1,741	657	824	569
	Northeast Census Region						
311	Food	1	0	1	0	0	0
3112	Grain and Oilseed Milling	*	0	*	0	0	0
311221	Wet Corn Milling	0	0	0	0	0	0
31131	Sugar Manufacturing	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	*	0	*	0	0	0
3115	Dairy Products	*	0	*	0	0	0
3116	Animal Slaughtering and Processing	*	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
313	Textile Mills	0	0	0	0	0	0
314	Textile Product Mills	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	40	0	0	0	0	38
321113	Sawmills	3	0	0	0	0	3
3212	Veneer, Plywood, and Engineered Woods	34	0	0	0	0	34

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Table 3.5 Selected Byproducts in Fuel Consumption, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark
321219	Reconstituted Wood Products	18	0	0	0	0	18
3219	Other Wood Products	2	0	0	0	0	1
322	Paper	100	0	*	*	62	35
322110	Pulp Mills	15	0	0	0	11	4
322121	Paper Mills, except Newsprint	78	0	*	*	50	25
322122	Newsprint Mills	5	0	0	0	0	5
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	142	*	76	64	0	0
324110	Petroleum Refineries	140	0	76	64	0	0
324121	Asphalt Paving Mixture and Block	2	0	0	0	0	0
324199	Other Petroleum and Coal Products	*	*	0	0	0	0
325	Chemicals	*	0	*	0	0	0
325110	Petrochemicals	0	0	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0
325181	Alkalies and Chlorine	0	0	0	0	0	0
325182	Carbon Black	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	*	0	0	0	0	0
325192	Cyclic Crudes and Intermediates	0	0	0	0	0	0
325193	Ethyl Alcohol	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	*	0	*	0	0	0
325211	Plastics Materials and Resins	*	0	*	0	0	0
325212	Synthetic Rubber	0	0	0	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	0	0	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	0	0	0	0	0	0
325412	Pharmaceutical Preparation	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	*	0	0	0
326	Plastics and Rubber Products	0	0	0	0	0	0
327	Nonmetallic Mineral Products	5	0	0	4	0	0
327121	Brick and Structural Clay Tile	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
327215	Glass Products from Purchased Glass	0	0	0	0	0	0
327310	Cements	4	0	0	4	0	0
327410	Lime	*	0	0	*	0	0
327420	Gypsum	0	0	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0
331	Primary Metals	44	44	0	0	0	*
331111	Iron and Steel Mills	44	44	0	0	0	0
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	0	0	0	0	0	0
3313	Alumina and Aluminum	*	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	*	0	0	0	0	0
331316	Aluminum Extruded Products	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	*	0	0	0	0	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	0	0	0	0	0	0
3315	Foundries	0	0	0	0	0	0
331511	Iron Foundries	0	0	0	0	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0	0	0

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Table 3.5 Selected Byproducts in Fuel Consumption, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark
332	Fabricated Metal Products	0	0	0	0	0	0
333	Machinery	*	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
336	Transportation Equipment	*	0	0	0	0	0
336111	Automobiles	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0
3364	Aerospace Product and Parts	*	0	0	0	0	0
336411	Aircraft	*	0	0	0	0	0
337	Furniture and Related Products	0	0	0	0	0	0
339	Miscellaneous	*	0	0	0	0	*
	Total	334	44	78	68	62	73
	Midwest Census Region						
311	Food	5	0	4	0	0	*
3112	Grain and Oilseed Milling	1	0	1	0	0	0
311221	Wet Corn Milling	*	0	*	0	0	0
31131	Sugar Manufacturing	*	0	*	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	*	0	*	0	0	0
3115	Dairy Products	*	0	*	0	0	0
3116	Animal Slaughtering and Processing	3	0	3	0	0	*
312	Beverage and Tobacco Products	*	0	*	0	0	*
3121	Beverages	*	0	*	0	0	*
3122	Tobacco	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
315	Apparel	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0
321	Wood Products	31	0	0	0	0	31
321113	Sawmills	23	0	0	0	0	23
3212	Veneer, Plywood, and Engineered Woods	4	0	0	0	0	4
321219	Reconstituted Wood Products	3	0	0	0	0	3
3219	Other Wood Products	4	0	0	0	0	4
322	Paper	88	0	1	4	54	27
322110	Pulp Mills	*	0	0	0	0	*
322121	Paper Mills, except Newsprint	81	0	*	4	53	22
322122	Newsprint Mills	0	0	0	0	0	0
322130	Paperboard Mills	7	0	1	0	1	5
323	Printing and Related Support	*	0	0	0	0	*
324	Petroleum and Coal Products	341	5	245	90	0	0
324110	Petroleum Refineries	326	0	245	81	0	0
324121	Asphalt Paving Mixture and Block	1	0	0	0	0	0
324199	Other Petroleum and Coal Products	15	5	*	9	0	0
325	Chemicals	7	0	5	0	0	1
325110	Petrochemicals	0	0	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0
325181	Alkalies and Chlorine	0	0	0	0	0	0
325182	Carbon Black	W	0	W	0	0	0
325188	Other Basic Inorganic Chemicals	*	0	0	0	0	0
325192	Cyclic Crudes and Intermediates	0	0	0	0	0	0
325193	Ethyl Alcohol	1	0	1	0	0	1

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Table 3.5 Selected Byproducts in Fuel Consumption, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark
325199	Other Basic Organic Chemicals	1	0	*	0	0	0
325211	Plastics Materials and Resins	2	0	2	0	0	0
325212	Synthetic Rubber	*	0	*	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	1	0	1	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	0	0	0	0	0	0
325412	Pharmaceutical Preparation	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0	0	0	0
326	Plastics and Rubber Products	0	0	0	0	0	0
327	Nonmetallic Mineral Products	31	0	1	27	0	*
327121	Brick and Structural Clay Tile	*	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
327215	Glass Products from Purchased Glass	*	0	0	0	0	0
327310	Cements	23	0	*	19	0	0
327410	Lime	8	0	*	8	0	0
327420	Gypsum	*	0	0	0	0	*
327993	Mineral Wool	0	0	0	0	0	0
331	Primary Metals	182	181	0	*	0	1
331111	Iron and Steel Mills	181	181	0	*	0	0
331112	Electrometallurgical Ferroalloy Products	1	0	0	0	0	1
3312	Steel Products from Purchased Steel	*	0	0	0	0	*
3313	Alumina and Aluminum	*	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	*	0	0	0	0	0
331316	Aluminum Extruded Products	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	0	0	0	0	0	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	0	0	0	0	0	0
3315	Foundries	*	0	0	*	0	0
331511	Iron Foundries	*	0	0	*	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0	0	0
332	Fabricated Metal Products	0	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	2	0	2	0	0	0
336111	Automobiles	1	0	1	0	0	0
336112	Light Trucks and Utility Vehicles	*	0	*	0	0	0
3364	Aerospace Product and Parts	1	0	1	0	0	0
336411	Aircraft	0	0	0	0	0	0
337	Furniture and Related Products	1	0	0	0	0	1
339	Miscellaneous	0	0	0	0	0	0
	Total	688	186	258	122	54	60
	South Census Region						
311	Food	3	0	2	0	0	1
3112	Grain and Oilseed Milling	1	0	1	0	0	*
311221	Wet Corn Milling	0	0	0	0	0	0

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Table 3.5 Selected Byproducts in Fuel Consumption, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark
31131	Sugar Manufacturing	*	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	*	0	*	0	0	0
3115	Dairy Products	0	0	0	0	0	0
3116	Animal Slaughtering and Processing	1	0	1	0	0	*
312	Beverage and Tobacco Products	2	0	1	0	0	1
3121	Beverages	2	0	1	0	0	1
3122	Tobacco	0	0	0	0	0	0
313	Textile Mills	0	0	0	0	0	0
314	Textile Product Mills	*	0	*	0	0	0
315	Apparel	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0
321	Wood Products	94	0	0	0	0	91
321113	Sawmills	36	0	0	0	0	35
3212	Veneer, Plywood, and Engineered Woods	46	0	0	0	0	44
321219	Reconstituted Wood Products	27	0	0	0	0	26
3219	Other Wood Products	10	0	0	0	0	10
322	Paper	916	0	2	19	637	253
322110	Pulp Mills	186	0	0	W	154	W
322121	Paper Mills, except Newsprint	248	0	2	W	168	W
322122	Newsprint Mills	17	0	0	0	11	5
322130	Paperboard Mills	464	0	*	W	303	W
323	Printing and Related Support	*	*	0	0	0	0
324	Petroleum and Coal Products	1,003	10	684	308	0	0
324110	Petroleum Refineries	967	0	682	285	0	0
324121	Asphalt Paving Mixture and Block	2	0	0	0	0	0
324199	Other Petroleum and Coal Products	33	10	1	23	0	0
325	Chemicals	380	0	371	3	0	1
325110	Petrochemicals	191	0	190	0	0	0
325120	Industrial Gases	0	0	0	0	0	0
325181	Alkalies and Chlorine	1	0	1	0	0	0
325182	Carbon Black	W	0	W	0	0	0
325188	Other Basic Inorganic Chemicals	*	0	*	0	0	0
325192	Cyclic Crudes and Intermediates	2	0	1	0	0	0
325193	Ethyl Alcohol	*	0	*	0	0	0
325199	Other Basic Organic Chemicals	88	0	87	0	0	0
325211	Plastics Materials and Resins	22	0	18	0	0	0
325212	Synthetic Rubber	*	0	*	0	0	0
325222	Noncellulosic Organic Fibers	3	0	3	0	0	0
325311	Nitrogenous Fertilizers	*	0	*	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	1	0	*	0	0	1
325412	Pharmaceutical Preparation	1	0	*	0	0	1
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0	0	0	0
326	Plastics and Rubber Products	*	0	0	0	0	*
327	Nonmetallic Mineral Products	15	0	*	11	0	1
327121	Brick and Structural Clay Tile	1	0	*	0	0	1
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
327215	Glass Products from Purchased Glass	0	0	0	0	0	0
327310	Cements	12	0	*	11	0	*
327410	Lime	*	0	0	*	0	0
327420	Gypsum	0	0	0	0	0	0
327993	Mineral Wool	*	0	0	0	0	0

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Table 3.5 Selected Byproducts in Fuel Consumption, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark
331	Primary Metals	43	39	0	1	0	3
331111	Iron and Steel Mills	40	39	0	1	0	0
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	*	0	0	0	0	0
3313	Alumina and Aluminum	*	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	*	0	0	0	0	0
331316	Aluminum Extruded Products	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	3	0	0	0	0	3
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	3	0	0	0	0	3
3315	Foundries	*	*	0	*	0	0
331511	Iron Foundries	*	0	0	*	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	*	0	0	0	0
332	Fabricated Metal Products	*	*	0	0	0	0
333	Machinery	*	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
336	Transportation Equipment	*	0	*	0	0	0
336111	Automobiles	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	*	0	*	0	0	0
3364	Aerospace Product and Parts	0	0	0	0	0	0
336411	Aircraft	0	0	0	0	0	0
337	Furniture and Related Products	Q	0	0	0	0	Q
339	Miscellaneous	0	0	0	0	0	0
	Total	2,460	49	1,060	342	637	354
	West Census Region						
311	Food	Q	0	1	0	0	*
3112	Grain and Oilseed Milling	Q	0	0	0	0	0
311221	Wet Corn Milling	0	0	0	0	0	0
31131	Sugar Manufacturing	*	0	0	0	0	*
3114	Fruit and Vegetable Preserving and Specialty Foods	*	0	*	0	0	0
3115	Dairy Products	*	0	*	0	0	0
3116	Animal Slaughtering and Processing	*	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
313	Textile Mills	0	0	0	0	0	0
314	Textile Product Mills	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
321	Wood Products	53	0	0	0	0	53
321113	Sawmills	38	0	0	0	0	38
3212	Veneer, Plywood, and Engineered Woods	11	0	0	0	0	11
321219	Reconstituted Wood Products	3	0	0	0	0	3
3219	Other Wood Products	4	0	0	0	0	4
322	Paper	101	0	*	0	70	28
322110	Pulp Mills	5	0	0	0	4	1
322121	Paper Mills, except Newsprint	39	0	0	0	24	14
322122	Newsprint Mills	1	0	0	0	0	1

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Table 3.5 Selected Byproducts in Fuel Consumption, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark
322130	Paperboard Mills	55	0	*	0	42	11
323	Printing and Related Support	0	0	0	0	0	0
324	Petroleum and Coal Products	469	0	344	123	0	0
324110	Petroleum Refineries	468	0	344	123	0	0
324121	Asphalt Paving Mixture and Block	1	0	0	0	0	0
324199	Other Petroleum and Coal Products	*	0	0	*	0	0
325	Chemicals	2	2	*	0	0	0
325110	Petrochemicals	0	0	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0
325181	Alkalies and Chlorine	0	0	0	0	0	0
325182	Carbon Black	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	2	2	0	0	0	0
325192	Cyclic Crudes and Intermediates	0	0	0	0	0	0
325193	Ethyl Alcohol	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	*	0	0	0	0	0
325211	Plastics Materials and Resins	*	0	*	0	0	0
325212	Synthetic Rubber	0	0	0	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	0	0	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	0	0	0	0	0	0
325412	Pharmaceutical Preparation	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0	0	0	0
326	Plastics and Rubber Products	0	0	0	0	0	0
327	Nonmetallic Mineral Products	2	0	*	2	0	*
327121	Brick and Structural Clay Tile	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
327215	Glass Products from Purchased Glass	0	0	0	0	0	0
327310	Cements	2	0	*	2	0	*
327410	Lime	*	0	0	*	0	0
327420	Gypsum	0	0	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0
331	Primary Metals	*	0	0	*	0	0
331111	Iron and Steel Mills	0	0	0	0	0	0
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	0	0	0	0	0	0
3313	Alumina and Aluminum	0	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0	0	0	0
331316	Aluminum Extruded Products	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	*	0	0	*	0	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	*	0	0	*	0	0
3315	Foundries	0	0	0	0	0	0
331511	Iron Foundries	0	0	0	0	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0	0	0
332	Fabricated Metal Products	Q	0	0	0	0	Q
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
336	Transportation Equipment	*	0	*	0	0	0

Released: March 2013

Next MECS will be fielded in 2015

Table 3.5 Selected Byproducts in Fuel Consumption, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark
336111	Automobiles	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0
3364	Aerospace Product and Parts	*	0	*	0	0	0
336411	Aircraft	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
	Total	632	2	345	126	70	81

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

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

Notes: Totals may not equal sum of components because of independent rounding. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells. During manufacturing processes, it is possible that the thermal energy content of an energy input is not completely consumed for the production of heat, power, or electricity generation. Hence, residuals of that input may remain. Those residual leftovers may be subsequently consumed for fuel purposes, whether onsite or offsite at another manufacturing establishment (for example, blast furnace gas as a byproduct recovered from coke and other inputs that were not completely consumed). In such cases, double counting of inputs cannot be avoided, and the "Fuel Consumption" estimates will be inflated.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey.'

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Released: March 2013
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Table 3.6 Selected Wood and Wood-Related Products in Fuel Consumption, 2006;

Level: National and Regional Data;
Row: Selected NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

NAICS Code(a)	Subsector and Industry	Selected Wood and Wood-Related Products					
		Pulping Liquor or Black Liquor	Biomass Total(b)	Agricultural Waste(c)	Wood Harvested Directly from Trees (d)	Biomass and ByProducts from Mill Processing(e)	Related and Paper-Relaed Refuse (f)
		Total United States					
311	Food	0	24	17	5	2	*
311221	Wet Corn Milling	0	4	0	4	*	0
312	Beverage and Tobacco Products	0	1	0	0	1	0
321	Wood Products	0	217	0	Q	167	9
321113	Sawmills	0	84	0	2	81	1
3212	Veneer, Plywood, and Engineered Woods	0	84	0	9	67	8
3219	Other Wood Products	0	Q	0	Q	18	*
322	Paper	850	364	5	39	311	8
322110	Pulp Mills	120	37	0	*	37	0
322121	Paper Mills, except Newsprint	325	136	*	23	109	3
322122	Newsprint Mills	0	11	5	0	4	2
322130	Paperboard Mills	329	147	*	16	129	2
337	Furniture and Related Products	0	7	0	*	7	0
	Other Manufacturing	0	19	*	Q	8	*
	Total	**850**	**631**	**22**	**96**	**495**	**17**
		Northeast Census Region					
311	Food	0	*	0	0	*	0
311221	Wet Corn Milling	0	*	0	0	*	0
312	Beverage and Tobacco Products	0	0	0	0	0	0
321	Wood Products	0	11	0	1	10	0
321113	Sawmills	0	5	0	1	4	0
3212	Veneer, Plywood, and Engineered Woods	0	2	0	*	2	0
3219	Other Wood Products	0	4	0	0	4	0
322	Paper	37	23	0	15	8	*
322110	Pulp Mills	7	2	0	*	2	0
322121	Paper Mills, except Newsprint	28	20	0	15	6	*
322122	Newsprint Mills	0	0	0	0	0	0
322130	Paperboard Mills	0	0	0	0	0	0
337	Furniture and Related Products	0	Q	0	*	Q	0
	Other Manufacturing	0	*	0	*	*	0
	Total	**37**	**35**	**0**	**16**	**19**	*****
		Midwest Census Region					

Released: March 2013
Next MECS will be fielded in 2015

Table 3.6 Selected Wood and Wood-Related Products in Fuel Consumption, 2006;

Level: National and Regional Data;
Row: Selected NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

		Selected Wood and Wood-Related Products					
			Biomass				
NAICS Code(a)	Subsector and Industry	Pulping Liquor or Black Liquor	Biomass Total(b)	Agricultural Waste(c)	Wood Harvested Directly from Trees (d)	and ByProducts from Mill Processing(e)	Related and Paper-Relaed Refuse (f)
311	Food	0	1	*	*	*	*
311221	Wet Corn Milling	0	0	0	0	0	0
312	Beverage and Tobacco Products	0	0	0	0	0	0
321	Wood Products	0	Q	0	Q	14	*
321113	Sawmills	0	4	0	0	4	0
3212	Veneer, Plywood, and Engineered Woods	0	5	0	0	5	0
3219	Other Wood Products	0	Q	0	Q	4	*
322	Paper	42	26	*	3	21	3
322110	Pulp Mills	0	0	0	0	0	0
322121	Paper Mills, except Newsprint	41	24	*	3	19	3
322122	Newsprint Mills	0	0	0	0	0	0
322130	Paperboard Mills	1	2	0	0	2	*
337	Furniture and Related Products	0	Q	0	0	Q	0
	Other Manufacturing	0	1	0	1	*	*
	Total	**42**	**71**	*	**Q**	**36**	**3**
	South Census Region						
311	Food	0	23	16	5	1	*
311221	Wet Corn Milling	0	4	0	4	0	0
312	Beverage and Tobacco Products	0	1	0	0	1	0
321	Wood Products	0	120	0	9	102	9
321113	Sawmills	0	36	0	1	34	1
3212	Veneer, Plywood, and Engineered Woods	0	75	0	8	59	8
3219	Other Wood Products	0	7	0	*	7	*
322	Paper	677	287	*	17	267	3
322110	Pulp Mills	105	35	0	*	35	0
322121	Paper Mills, except Newsprint	227	78	0	5	72	*
322122	Newsprint Mills	0	3	0	0	3	0
322130	Paperboard Mills	271	139	*	12	124	2
337	Furniture and Related Products	0	Q	0	0	Q	0
	Other Manufacturing	0	17	*	Q	8	*
	Total	**677**	**452**	**17**	**41**	**383**	**12**
	West Census Region						
311	Food	0	*	0	*	0	0

Released: March 2013
Next MECS will be fielded in 2015

Table 3.6 Selected Wood and Wood-Related Products in Fuel Consumption, 2006;

Level: National and Regional Data;
Row: Selected NAICS Codes; Column: Energy Sources;
Unit: Trillion Btu.

		Selected Wood and Wood-Related Products					
			Biomass				
NAICS Code(a)	Subsector and Industry	Pulping Liquor or Black Liquor	Biomass Total(b)	Agricultural Waste(c)	Wood Harvested Directly from Trees (d)	and ByProducts from Mill Processing(e)	Related and Paper-Relaed Refuse (f)
311221	Wet Corn Milling	0	0	0	0	0	0
312	Beverage and Tobacco Products	0	0	0	0	0	0
321	Wood Products	0	44	0	2	42	0
321113	Sawmills	0	39	0	1	38	0
3212	Veneer, Plywood, and Engineered Woods	0	Q	0	Q	Q	0
3219	Other Wood Products	0	Q	0	Q	Q	0
322	Paper	95	28	5	4	16	3
322110	Pulp Mills	9	0	0	0	0	0
322121	Paper Mills, except Newsprint	29	12	0	0	12	*
322122	Newsprint Mills	0	9	5	0	2	2
322130	Paperboard Mills	57	7	0	4	2	*
337	Furniture and Related Products	0	0	0	0	0	0
	Other Manufacturing	0	*	*	0	0	0
	Total	**95**	**72**	**5**	**7**	**58**	**3**

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

(b) Four components of 'Biomass' are collected: agricultural waste, wood harvested directly from trees, wood residues and byproducts from mill processing, and wood-related and paper-related refuse. The 'Biomass Total' does not include pulping liquor or black liquor.

(c)) 'Agricultural Waste' includes bagasse, rice hulls, nut shells, and orchard prunings.

(d) 'Wood Harvested Directly from Trees' includes roundwood, wood chips, and tree bark.

(e) 'Wood Residues and Byproducts from Mill processing' include sawdust, shavings, and slabs.

(f) 'Wood-Related and Paper-Related Refuse' includes scrap, wastepaper, wood pallets, and packing materials

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.
W=Withheld to avoid disclosing data for individual establishments.
Q=Withheld because Relative Standard Error is greater than 50 percent.
NA=Not available.
Notes: To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2006 Manufacturing Energy Consumption Survey.'

Released: March 2013

Next MECS will be fielded in 2015

Table 4.1 Offsite-Produced Fuel Consumption, 2010;

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

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)
	Total United States									
311	Food	1,113	75,673	2	4	563	1	8	*	54
3112	Grain and Oilseed Milling	346	16,620	*	*	118	*	6	0	41
311221	Wet Corn Milling	214	7,481	*	*	51	*	5	0	25
31131	Sugar Manufacturing	72	1,264	*	*	15	*	2	*	*
3114	Fruit and Vegetable Preserving and Specialty Foods	142	9,258	*	Q	97	*	*	0	4
3115	Dairy Products	105	9,587	*	*	65	*	*	0	1
3116	Animal Slaughtering and Processing	207	20,136	1	1	122	*	*	0	3
312	Beverage and Tobacco Products	85	8,354	*	*	37	*	*	0	5
3121	Beverages	75	7,377	*	*	33	*	*	0	5
3122	Tobacco	9	977	*	*	4	*	*	0	*
313	Textile Mills	95	13,349	*	*	31	*	*	0	6
314	Textile Product Mills	20	2,454	*	*	9	*	*	0	*
315	Apparel	6	1,069	0	*	2	*	0	0	*
316	Leather and Allied Products	2	243	*	*	1	*	0	0	*
321	Wood Products	266	16,228	*	4	33	1	*	0	150
321113	Sawmills	158	5,088	*	Q	5	*	0	0	120
3212	Veneer, Plywood, and Engineered Woods	68	6,374	*	*	18	*	*	0	23
321219	Reconstituted Wood Products	44	4,052	*	*	14	*	*	0	14
3219	Other Wood Products	33	4,379	*	1	7	*	*	0	4
322	Paper	1,182	66,870	6	1	387	1	9	*	304
322110	Pulp Mills	54	1,992	1	*	19	*	*	0	20
322121	Paper Mills, except Newsprint	484	21,659	2	*	167	*	5	0	108
322122	Newsprint Mills	87	11,330	*	*	3	*	1	0	21
322130	Paperboard Mills	444	19,976	2	*	138	*	3	*	153
323	Printing and Related Support	83	13,704	*	*	33	*	0	0	*
324	Petroleum and Coal Products	1,517	52,510	2	3	892	1	1	0	374
324110	Petroleum Refineries	1,378	49,795	1	1	835	1	*	0	332
324121	Asphalt Paving Mixture and Block	65	1,068	*	2	38	*	*	0	6
324199	Other Petroleum and Coal Products	51	501	0	*	5	*	*	0	34
325	Chemicals	2,913	146,195	1	1	1,724	2	9	0	420
325110	Petrochemicals	412	7,277	*	*	232	*	0	0	146
325120	Industrial Gases	96	19,401	0	*	26	*	0	0	3
325181	Alkalies and Chlorine	233	W	0	*	W	*	2	0	W
325182	Carbon Black	13	496	*	*	11	*	0	0	*
325188	Other Basic Inorganic Chemicals	213	24,877	*	*	48	*	1	0	60
325192	Cyclic Crudes and Intermediates	49	2,673	*	*	22	*	0	0	17
325193	Ethyl Alcohol	307	7,359	0	*	245	*	1	0	4
325199	Other Basic Organic Chemicals	580	15,820	*	*	367	*	3	0	88
325211	Plastics Materials and Resins	432	20,540	*	*	298	*	1	0	40
325212	Synthetic Rubber	39	1,705	0	*	21	*	*	0	8
325222	Noncellulosic Organic Fibers	26	2,832	*	*	9	*	*	0	3
325311	Nitrogenous Fertilizers	165	3,390	*	*	147	*	0	0	2
325312	Phosphatic Fertilizers	37	1,709	*	*	26	*	*	0	*
3254	Pharmaceuticals and Medicines	91	9,171	*	*	48	*	*	0	6
325412	Pharmaceutical Preparation	51	5,615	*	*	23	*	*	0	4
325992	Photographic Film, Paper, Plate, and Chemicals	20	1,463	*	*	6	*	*	0	*
326	Plastics and Rubber Products	271	45,804	*	*	101	1	*	0	Q
327	Nonmetallic Mineral Products	709	32,571	*	4	265	1	10	*	74
327121	Brick and Structural Clay Tile	20	576	*	*	15	*	*	0	1
327211	Flat Glass	49	1,660	0	*	42	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	37	2,558	0	*	27	*	0	0	Q
327213	Glass Containers	59	3,604	0	*	45	*	0	0	*
327215	Glass Products from Purchased Glass	14	2,640	0	*	4	*	*	0	*
327310	Cements	245	9,166	*	*	12	*	6	*	59
327410	Lime	101	1,502	*	1	3	*	3	*	9
327420	Gypsum	44	1,384	*	*	38	*	0	0	*
327993	Mineral Wool	39	3,419	0	*	24	*	0	*	*
331	Primary Metals	1,328	120,704	*	2	522	1	1	12	53
331111	Iron and Steel Mills	822	50,766	*	1	316	*	1	11	18
331112	Electrometallurgical Ferroalloy Products	13	3,162	0	*	1	*	0	*	1
3312	Steel Products from Purchased Steel	44	5,270	*	*	18	*	0	*	7
3313	Alumina and Aluminum	229	36,875	*	*	93	*	0	0	5

Released: March 2013

Next MECS will be fielded in 2015

Table 4.1 Offsite-Produced Fuel Consumption, 2010;

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

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)
331314	Secondary Smelting and Alloying of Aluminum	34	5,472	*	*	14	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	56	4,134	0	*	39	*	0	0	2
331316	Aluminum Extruded Products	16	1,411	0	*	11	*	0	0	*
3314	Nonferrous Metals, except Aluminum	124	13,477	*	*	50	*	0	*	21
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	60	7,517	0	*	12	*	0	*	21
3315	Foundries	97	11,154	0	*	45	*	0	*	*
331511	Iron Foundries	45	5,675	0	*	14	*	0	*	*
331521	Aluminum Die-Casting Foundries	16	1,285	0	*	11	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	11	857	0	*	8	*	0	0	*
332	Fabricated Metal Products	300	37,410	*	*	158	1	*	0	Q
333	Machinery	148	20,385	*	1	69	1	0	0	1
334	Computer and Electronic Products	144	29,497	*	*	41	*	0	0	*
334413	Semiconductors and Related Devices	57	10,810	*	*	19	*	0	0	*
335	Electrical Equip., Appliances, and Components	74	10,689	*	*	35	*	0	*	*
336	Transportation Equipment	276	38,987	*	*	123	1	*	0	5
336111	Automobiles	28	3,027	0	*	15	*	*	0	1
336112	Light Trucks and Utility Vehicles	38	3,625	0	*	22	*	*	0	1
3364	Aerospace Product and Parts	68	9,651	*	*	29	*	*	0	2
336411	Aircraft	20	2,688	*	*	9	*	0	0	*
337	Furniture and Related Products	33	4,960	0	*	13	*	*	0	2
339	Miscellaneous	43	7,591	*	*	15	*	*	0	*
	Total	10,608	745,247	12	21	5,054	12	39	12	1,455
	Northeast Census Region									
311	Food	89	7,151	*	1	54	*	*	0	1
3112	Grain and Oilseed Milling	3	438	*	*	2	*	0	0	*
311221	Wet Corn Milling	*	5	*	0	0	*	0	0	0
31131	Sugar Manufacturing	1	211	0	*	*	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	13	972	*	*	7	*	*	0	*
3115	Dairy Products	14	1,172	*	*	8	*	0	0	*
3116	Animal Slaughtering and Processing	8	857	*	*	4	*	0	0	*
312	Beverage and Tobacco Products	11	1,247	*	*	6	*	0	0	Q
3121	Beverages	11	1,217	*	*	5	*	0	0	Q
3122	Tobacco	1	30	*	*	*	*	0	0	*
313	Textile Mills	8	550	*	*	5	*	0	0	*
314	Textile Product Mills	Q	Q	0	*	Q	*	*	0	*
315	Apparel	*	Q	0	0	*	0	0	0	0
316	Leather and Allied Products	*	50	*	*	*	*	0	0	*
321	Wood Products	10	1,075	*	*	2	*	*	0	3
321113	Sawmills	3	332	*	*	*	*	0	0	1
3212	Veneer, Plywood, and Engineered Woods	2	240	0	*	*	*	*	0	1
321219	Reconstituted Wood Products	2	161	0	*	*	*	0	0	1
3219	Other Wood Products	4	486	*	*	1	*	*	0	*
322	Paper	173	6,787	2	*	68	*	1	0	48
322110	Pulp Mills	5	72	*	*	1	*	0	0	3
322121	Paper Mills, except Newsprint	114	2,643	1	*	50	*	1	0	28
322122	Newsprint Mills	W	1,023	*	*	0	*	0	0	W
322130	Paperboard Mills	25	1,483	*	*	11	*	0	0	7
323	Printing and Related Support	16	2,447	*	*	6	*	0	0	*
324	Petroleum and Coal Products	106	4,413	1	1	41	*	*	0	30
324110	Petroleum Refineries	81	4,032	1	*	30	*	*	0	28
324121	Asphalt Paving Mixture and Block	19	257	*	1	9	*	0	0	2
324199	Other Petroleum and Coal Products	5	35	0	*	1	*	*	0	*
325	Chemicals	146	12,200	*	*	69	*	1	0	13
325110	Petrochemicals	*	17	0	*	*	0	0	0	0
325120	Industrial Gases	11	2,592	0	*	*	*	0	0	2
325181	Alkalies and Chlorine	7	1,468	0	*	*	*	0	0	2
325182	Carbon Black	*	5	0	0	*	0	0	0	0
325188	Other Basic Inorganic Chemicals	8	838	*	*	4	*	0	0	*
325192	Cyclic Crudes and Intermediates	6	160	*	*	5	*	0	0	*
325193	Ethyl Alcohol	2	72	0	*	2	*	0	0	0
325199	Other Basic Organic Chemicals	19	667	0	*	13	*	0	0	4
325211	Plastics Materials and Resins	13	1,023	0	*	5	*	0	0	4

Released: March 2013

Next MECS will be fielded in 2015

Table 4.1 Offsite-Produced Fuel Consumption, 2010;

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

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)
325212	Synthetic Rubber	*	40	0	0	*	*	0	0	0
325222	Noncellulosic Organic Fibers	*	26	0	*	0	*	0	0	*
325311	Nitrogenous Fertilizers	1	26	*	*	*	*	0	0	*
325312	Phosphatic Fertilizers	*	1	0	*	*	*	0	0	*
3254	Pharmaceuticals and Medicines	31	2,455	*	*	21	*	0	0	*
325412	Pharmaceutical Preparation	13	1,186	*	*	9	*	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	16	877	*	*	4	*	*	0	*
326	Plastics and Rubber Products	20	2,679	0	*	8	*	*	0	*
327	Nonmetallic Mineral Products	88	4,166	*	1	37	*	1	*	6
327121	Brick and Structural Clay Tile	2	44	0	*	1	*	*	0	*
327211	Flat Glass	9	315	0	*	8	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	8	561	0	*	6	*	0	0	*
327213	Glass Containers	10	587	0	*	8	*	0	0	*
327215	Glass Products from Purchased Glass	3	392	0	*	1	*	*	0	*
327310	Cements	28	1,016	*	*	*	*	1	*	5
327410	Lime	5	69	0	*	0	*	*	0	1
327420	Gypsum	7	432	*	*	5	*	0	0	*
327993	Mineral Wool	4	226	0	*	3	*	0	0	*
331	Primary Metals	113	12,985	*	*	63	*	*	*	1
331111	Iron and Steel Mills	56	5,802	0	*	34	*	*	*	*
331112	Electrometallurgical Ferroalloy Products	2	537	0	*	*	*	0	0	*
3312	Steel Products from Purchased Steel	7	800	*	*	4	*	0	*	*
3313	Alumina and Aluminum	20	2,992	*	*	9	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	9	2,110	*	*	2	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	7	463	0	*	5	*	0	0	*
331316	Aluminum Extruded Products	4	394	0	*	2	*	0	0	*
3314	Nonferrous Metals, except Aluminum	20	1,883	*	*	12	*	0	*	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	1	149	0	*	*	*	0	0	*
3315	Foundries	8	972	0	*	4	*	0	*	*
331511	Iron Foundries	2	427	0	*	1	*	0	*	*
331521	Aluminum Die-Casting Foundries	1	75	0	0	1	*	0	0	0
331524	Aluminum Foundries, except Die-Casting	1	63	0	*	*	*	0	0	*
332	Fabricated Metal Products	43	4,526	*	*	24	*	0	0	*
333	Machinery	21	3,323	0	*	9	*	0	0	Q
334	Computer and Electronic Products	25	5,236	*	*	7	*	0	0	*
334413	Semiconductors and Related Devices	10	1,959	*	*	3	*	0	0	*
335	Electrical Equip., Appliances, and Components	13	1,804	*	*	6	*	0	*	*
336	Transportation Equipment	26	2,878	*	*	14	*	0	0	1
336111	Automobiles	*	1	0	0	*	*	0	0	*
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	12	918	*	*	7	*	0	0	1
336411	Aircraft	5	323	*	*	3	*	0	0	*
337	Furniture and Related Products	5	707	0	*	2	*	0	0	*
339	Miscellaneous	13	1,840	0	*	6	*	0	0	*
	Total	932	76,384	4	4	426	2	3	*	104
	Midwest Census Region									
311	Food	557	33,010	*	*	244	*	7	*	41
3112	Grain and Oilseed Milling	272	11,566	*	*	82	*	5	0	33
311221	Wet Corn Milling	198	6,588	0	*	47	*	5	0	24
31131	Sugar Manufacturing	37	518	*	*	5	*	1	*	*
3114	Fruit and Vegetable Preserving and Specialty Foods	26	2,204	*	*	16	*	*	0	1
3115	Dairy Products	40	3,305	*	*	25	*	*	0	1
3116	Animal Slaughtering and Processing	92	8,561	*	*	58	*	0	0	2
312	Beverage and Tobacco Products	18	1,369	*	*	8	*	*	0	*
3121	Beverages	18	1,354	*	*	8	*	*	0	*
3122	Tobacco	*	15	0	0	*	*	0	0	0
313	Textile Mills	3	394	0	*	1	*	0	0	*
314	Textile Product Mills	Q	Q	0	0	*	*	0	0	0
315	Apparel	*	Q	0	0	*	0	0	0	0
316	Leather and Allied Products	1	90	0	*	1	*	0	0	*
321	Wood Products	34	2,469	*	1	6	*	*	0	Q
321113	Sawmills	Q	397	*	Q	1	*	0	0	Q

Released: March 2013

Next MECS will be fielded in 2015

Table 4.1 Offsite-Produced Fuel Consumption, 2010;

Level: National and Regional Data;
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Unit: Physical Units or Btu.

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)
3212	Veneer, Plywood, and Engineered Woods	5	557	*	*	2	*	*	0	*
321219	Reconstituted Wood Products	4	340	*	*	2	*	*	0	*
3219	Other Wood Products	11	1,472	0	*	3	*	0	0	1
322	Paper	223	15,051	*	*	85	*	3	0	25
322110	Pulp Mills	2	281	0	*	1	*	0	0	*
322121	Paper Mills, except Newsprint	123	6,863	*	*	38	*	2	0	16
322122	Newsprint Mills	10	1,345	0	*	*	*	*	0	3
322130	Paperboard Mills	42	2,533	*	*	20	*	*	0	6
323	Printing and Related Support	28	4,444	0	*	12	*	0	0	*
324	Petroleum and Coal Products	214	9,119	*	*	123	*	*	0	54
324110	Petroleum Refineries	177	8,239	*	*	105	*	0	0	40
324121	Asphalt Paving Mixture and Block	13	259	*	*	9	*	*	0	1
324199	Other Petroleum and Coal Products	16	230	0	*	2	*	0	0	12
325	Chemicals	615	34,511	*	*	331	1	3	0	94
325110	Petrochemicals	2	73	*	*	2	*	0	0	*
325120	Industrial Gases	29	8,071	0	*	1	0	0	0	0
325181	Alkalies and Chlorine	W	1,086	0	*	W	*	0	0	*
325182	Carbon Black	1	77	0	*	*	*	0	0	*
325188	Other Basic Inorganic Chemicals	63	1,389	0	*	13	*	0	0	45
325192	Cyclic Crudes and Intermediates	W	649	0	*	5	*	0	0	W
325193	Ethyl Alcohol	254	6,051	0	*	200	*	1	0	2
325199	Other Basic Organic Chemicals	57	3,544	0	*	15	*	1	0	15
325211	Plastics Materials and Resins	37	3,277	*	*	14	*	*	0	5
325212	Synthetic Rubber	6	440	0	*	3	*	*	0	*
325222	Noncellulosic Organic Fibers	*	31	0	0	*	*	0	0	*
325311	Nitrogenous Fertilizers	40	1,273	0	*	34	*	0	0	2
325312	Phosphatic Fertilizers	*	5	0	*	*	*	0	0	*
3254	Pharmaceuticals and Medicines	28	2,802	*	*	11	*	*	0	2
325412	Pharmaceutical Preparation	19	2,182	0	*	6	*	*	0	2
325992	Photographic Film, Paper, Plate, and Chemicals	1	96	0	*	*	*	0	0	*
326	Plastics and Rubber Products	91	15,457	0	*	36	*	0	0	Q
327	Nonmetallic Mineral Products	211	8,944	*	1	68	*	3	*	39
327121	Brick and Structural Clay Tile	4	106	0	*	3	*	*	0	*
327211	Flat Glass	16	495	0	*	14	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	9	493	0	*	8	*	0	0	*
327213	Glass Containers	15	879	0	*	12	*	0	0	*
327215	Glass Products from Purchased Glass	5	968	0	*	1	*	0	0	*
327310	Cements	74	2,542	0	*	2	*	1	*	30
327410	Lime	45	489	*	*	2	*	1	*	8
327420	Gypsum	9	228	0	*	7	*	0	0	*
327993	Mineral Wool	17	1,521	0	*	9	*	0	*	*
331	Primary Metals	650	47,099	*	1	261	*	1	7	26
331111	Iron and Steel Mills	469	19,908	*	1	196	*	1	7	16
331112	Electrometallurgical Ferroalloy Products	6	1,178	0	*	*	*	0	*	1
3312	Steel Products from Purchased Steel	21	1,507	0	*	8	*	0	0	7
3313	Alumina and Aluminum	69	13,265	0	*	21	*	0	0	2
331314	Secondary Smelting and Alloying of Aluminum	7	184	0	*	6	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	16	1,226	0	*	10	*	0	0	2
331316	Aluminum Extruded Products	W	W	0	*	W	*	0	0	*
3314	Nonferrous Metals, except Aluminum	28	4,391	0	*	9	*	0	*	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	13	2,891	0	*	2	*	0	*	*
3315	Foundries	58	6,849	0	*	26	*	0	*	*
331511	Iron Foundries	29	3,879	0	*	8	*	0	*	*
331521	Aluminum Die-Casting Foundries	10	863	0	*	7	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	6	492	0	*	4	*	0	0	*
332	Fabricated Metal Products	140	16,566	0	*	79	1	0	0	*
333	Machinery	81	9,688	*	*	42	*	0	0	1
334	Computer and Electronic Products	24	4,546	0	*	8	*	0	0	*
334413	Semiconductors and Related Devices	3	676	0	*	1	*	0	0	*
335	Electrical Equip., Appliances, and Components	21	2,827	0	*	10	*	0	0	*
336	Transportation Equipment	146	19,779	*	*	68	*	*	0	3
336111	Automobiles	19	1,765	0	*	11	*	*	0	1
336112	Light Trucks and Utility Vehicles	24	2,064	0	*	14	*	*	0	1
3364	Aerospace Product and Parts	14	2,012	*	*	6	*	0	0	1
336411	Aircraft	4	505	0	*	2	*	0	0	*

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NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)
337	Furniture and Related Products	12	1,665	0	*	5	*	*	0	*
339	Miscellaneous	8	1,254	0	*	3	*	*	0	*
	Total	3,079	228,561	1	3	1,393	4	16	7	298
	South Census Region									
311	Food	261	23,478	1	1	142	*	1	0	7
3112	Grain and Oilseed Milling	57	3,811	*	*	28	*	*	0	4
311221	Wet Corn Milling	14	824	0	*	4	*	*	0	*
31131	Sugar Manufacturing	9	284	*	*	6	*	*	0	*
3114	Fruit and Vegetable Preserving and Specialty Foods	30	2,459	*	*	19	*	0	0	1
3115	Dairy Products	13	1,815	0	*	6	*	0	0	*
3116	Animal Slaughtering and Processing	88	8,966	1	*	47	*	*	0	1
312	Beverage and Tobacco Products	36	3,614	*	*	15	*	*	0	2
3121	Beverages	27	2,682	*	*	12	*	*	0	2
3122	Tobacco	9	932	*	*	3	*	*	0	*
313	Textile Mills	81	12,116	*	*	22	*	*	0	6
314	Textile Product Mills	15	1,796	*	*	8	*	0	0	*
315	Apparel	5	886	0	*	2	*	0	0	*
316	Leather and Allied Products	*	73	0	*	*	*	0	0	*
321	Wood Products	174	8,831	*	1	17	*	*	0	120
321113	Sawmills	113	2,760	0	*	2	*	0	0	100
3212	Veneer, Plywood, and Engineered Woods	45	4,150	*	*	11	*	*	0	17
321219	Reconstituted Wood Products	33	2,882	*	*	9	*	*	0	12
3219	Other Wood Products	12	1,687	0	*	2	*	0	0	1
322	Paper	621	29,988	3	1	178	*	5	*	195
322110	Pulp Mills	43	1,462	1	*	17	*	*	0	15
322121	Paper Mills, except Newsprint	194	8,965	1	*	55	*	2	0	48
322122	Newsprint Mills	W	3,219	0	*	1	*	*	0	W
322130	Paperboard Mills	321	11,042	2	*	85	*	3	*	127
323	Printing and Related Support	30	4,825	0	*	13	*	0	0	*
324	Petroleum and Coal Products	869	30,774	*	1	514	*	*	0	224
324110	Petroleum Refineries	815	29,693	*	*	496	*	0	0	200
324121	Asphalt Paving Mixture and Block	21	332	*	1	10	*	0	0	2
324199	Other Petroleum and Coal Products	24	217	0	*	1	*	0	0	22
325	Chemicals	2,022	90,176	1	1	1,282	1	3	0	307
325110	Petrochemicals	410	7,187	*	*	230	*	0	0	146
325120	Industrial Gases	49	6,902	0	*	24	*	0	0	*
325181	Alkalies and Chlorine	W	W	0	*	W	*	*	0	W
325182	Carbon Black	12	413	*	*	10	*	0	0	*
325188	Other Basic Inorganic Chemicals	111	20,217	*	*	25	*	*	0	15
325192	Cyclic Crudes and Intermediates	W	1,863	*	*	11	*	0	0	W
325193	Ethyl Alcohol	41	983	0	*	37	*	0	0	*
325199	Other Basic Organic Chemicals	499	11,353	*	*	337	*	2	0	68
325211	Plastics Materials and Resins	380	16,061	*	*	278	*	*	0	31
325212	Synthetic Rubber	32	1,181	0	*	18	*	*	0	8
325222	Noncellulosic Organic Fibers	25	2,774	*	*	9	*	*	0	3
325311	Nitrogenous Fertilizers	122	1,921	0	*	112	*	0	0	*
325312	Phosphatic Fertilizers	32	1,295	*	*	24	*	*	0	*
3254	Pharmaceuticals and Medicines	25	2,927	*	*	11	*	0	0	3
325412	Pharmaceutical Preparation	15	1,794	*	*	6	*	0	0	2
325992	Photographic Film, Paper, Plate, and Chemicals	1	167	0	*	1	*	0	0	*
326	Plastics and Rubber Products	120	19,154	*	*	47	*	0	0	Q
327	Nonmetallic Mineral Products	294	14,180	*	2	121	*	4	*	23
327121	Brick and Structural Clay Tile	13	386	*	*	10	*	*	0	1
327211	Flat Glass	18	665	0	*	15	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	18	1,407	0	*	13	*	0	0	Q
327213	Glass Containers	20	1,192	0	*	16	*	0	0	*
327215	Glass Products from Purchased Glass	5	989	0	*	2	*	0	0	*
327310	Cements	98	3,900	*	*	9	*	2	*	18
327410	Lime	37	697	0	1	1	*	1	*	*
327420	Gypsum	20	520	0	*	18	*	0	0	*
327993	Mineral Wool	13	1,205	0	*	9	*	0	*	*
331	Primary Metals	478	48,231	*	1	157	*	*	5	25

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NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)
331111	Iron and Steel Mills	272	22,133	*	*	74	*	*	5	2
331112	Electrometallurgical Ferroalloy Products	5	1,446	0	*	*	0	0	0	*
3312	Steel Products from Purchased Steel	15	2,849	0	*	5	*	0	0	*
3313	Alumina and Aluminum	115	15,667	0	*	56	*	0	0	3
331314	Secondary Smelting and Alloying of Aluminum	16	3,150	0	*	5	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	29	2,092	0	*	22	*	0	0	*
331316	Aluminum Extruded Products	7	412	0	*	5	*	0	0	*
3314	Nonferrous Metals, except Aluminum	46	3,524	0	*	11	*	0	*	21
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	27	1,929	0	*	*	*	0	0	21
3315	Foundries	24	2,612	0	*	11	*	0	*	*
331511	Iron Foundries	12	1,271	0	*	4	*	0	*	*
331521	Aluminum Die-Casting Foundries	4	311	0	*	3	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	3	138	0	*	2	*	0	0	*
332	Fabricated Metal Products	91	12,909	0	*	42	1	0	0	Q
333	Machinery	41	6,103	0	*	18	*	0	0	*
334	Computer and Electronic Products	43	10,078	0	*	8	*	0	0	*
334413	Semiconductors and Related Devices	14	3,192	0	*	3	*	0	0	*
335	Electrical Equip., Appliances, and Components	37	5,579	0	*	17	*	0	0	*
336	Transportation Equipment	74	11,438	*	*	29	*	*	0	1
336111	Automobiles	8	1,233	0	*	4	*	*	0	*
336112	Light Trucks and Utility Vehicles	14	1,538	0	*	8	*	0	0	*
3364	Aerospace Product and Parts	19	3,014	*	*	7	*	*	0	1
336411	Aircraft	7	1,204	*	*	3	*	0	0	*
337	Furniture and Related Products	14	2,180	0	*	4	*	*	0	2
339	Miscellaneous	12	2,300	*	*	3	*	0	0	*
	Total	5,317	338,710	6	8	2,638	4	14	5	918
	West Census Region									
311	Food	206	12,034	*	2	123	*	1	*	5
3112	Grain and Oilseed Milling	13	805	0	*	6	*	0	0	Q
311221	Wet Corn Milling	2	64	0	*	1	*	0	0	1
31131	Sugar Manufacturing	25	250	0	*	4	*	1	*	*
3114	Fruit and Vegetable Preserving and Specialty Foods	74	3,623	*	Q	55	*	0	0	1
3115	Dairy Products	38	3,294	0	*	26	*	0	0	*
3116	Animal Slaughtering and Processing	19	1,752	0	*	12	*	0	0	*
312	Beverage and Tobacco Products	20	2,124	0	*	9	*	0	0	2
3121	Beverages	20	2,124	0	*	9	*	0	0	2
3122	Tobacco	*	1	0	0	0	*	0	0	0
313	Textile Mills	3	289	*	*	2	*	0	0	*
314	Textile Product Mills	Q	Q	0	*	*	*	0	0	*
315	Apparel	*	90	0	0	*	0	0	0	0
316	Leather and Allied Products	*	31	0	0	*	*	0	0	0
321	Wood Products	49	3,853	0	Q	9	*	0	0	14
321113	Sawmills	26	1,600	0	Q	3	*	0	0	7
3212	Veneer, Plywood, and Engineered Woods	15	1,427	0	*	5	*	0	0	5
321219	Reconstituted Wood Products	6	668	0	*	2	*	0	0	2
3219	Other Wood Products	6	734	0	*	1	*	0	0	1
322	Paper	164	15,045	*	*	56	*	1	0	36
322110	Pulp Mills	4	178	*	*	*	*	0	0	2
322121	Paper Mills, except Newsprint	52	3,188	*	*	25	*	0	0	15
322122	Newsprint Mills	41	5,743	*	*	2	*	1	0	6
322130	Paperboard Mills	57	4,918	*	*	23	*	*	0	13
323	Printing and Related Support	Q	Q	0	0	2	*	0	0	0
324	Petroleum and Coal Products	327	8,204	1	*	214	*	*	0	66
324110	Petroleum Refineries	305	7,832	1	*	203	*	0	0	64
324121	Asphalt Paving Mixture and Block	13	220	*	*	9	*	0	0	2
324199	Other Petroleum and Coal Products	5	19	0	*	*	*	*	0	*
325	Chemicals	130	9,309	0	*	43	*	2	0	5
325110	Petrochemicals	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	6	1,835	0	0	*	0	0	0	0
325181	Alkalies and Chlorine	58	1,830	0	*	18	*	1	0	2
325182	Carbon Black	*	1	0	*	*	*	0	0	*
325188	Other Basic Inorganic Chemicals	30	2,433	0	*	6	*	1	0	*

Released: March 2013

Next MECS will be fielded in 2015

Table 4.1 Offsite-Produced Fuel Consumption, 2010;

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

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)
325192	Cyclic Crudes and Intermediates	*	1	0	*	*	*	0	0	*
325193	Ethyl Alcohol	9	253	0	*	6	*	0	0	2
325199	Other Basic Organic Chemicals	4	256	0	*	2	*	0	0	1
325211	Plastics Materials and Resins	2	179	0	*	1	*	0	0	*
325212	Synthetic Rubber	*	45	0	*	*	*	0	0	*
325222	Noncellulosic Organic Fibers	*	1	0	0	*	*	0	0	0
325311	Nitrogenous Fertilizers	2	169	0	*	1	*	0	0	*
325312	Phosphatic Fertilizers	4	407	0	*	3	*	0	0	*
3254	Pharmaceuticals and Medicines	8	987	0	*	4	*	0	0	*
325412	Pharmaceutical Preparation	4	453	0	*	2	*	0	0	*
325992	Photographic Film, Paper, Plate, and Chemicals	3	323	0	*	1	*	0	0	*
326	Plastics and Rubber Products	39	8,514	0	*	9	*	0	0	*
327	Nonmetallic Mineral Products	116	5,282	*	1	39	*	2	*	6
327121	Brick and Structural Clay Tile	2	39	0	*	1	*	0	0	*
327211	Flat Glass	6	185	0	*	5	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	2	97	0	*	1	*	0	0	*
327213	Glass Containers	13	945	0	*	10	*	0	0	*
327215	Glass Products from Purchased Glass	1	291	0	*	*	*	0	0	*
327310	Cements	46	1,708	0	*	1	*	1	*	6
327410	Lime	14	246	0	*	*	*	1	0	*
327420	Gypsum	9	205	0	*	8	*	0	0	*
327993	Mineral Wool	4	468	0	*	2	*	0	0	*
331	Primary Metals	87	12,389	0	*	41	*	*	*	1
331111	Iron and Steel Mills	24	2,923	0	*	13	*	*	*	1
331112	Electrometallurgical Ferroalloy Products	*	*	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	1	113	0	*	*	*	0	0	*
3313	Alumina and Aluminum	24	4,951	0	*	7	*	0	0	*
331314	Secondary Smelting and Alloying of Aluminum	1	27	0	*	1	*	0	0	0
331315	Aluminum Sheet, Plate and Foils	4	353	0	*	2	*	0	0	*
331316	Aluminum Extruded Products	W	W	0	*	W	*	0	0	*
3314	Nonferrous Metals, except Aluminum	30	3,679	0	*	17	*	0	*	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	18	2,547	0	*	9	*	0	0	*
3315	Foundries	7	722	0	*	4	*	0	*	*
331511	Iron Foundries	2	99	0	*	1	*	0	*	*
331521	Aluminum Die-Casting Foundries	*	36	0	0	*	*	0	0	*
331524	Aluminum Foundries, except Die-Casting	2	164	0	*	1	*	0	0	*
332	Fabricated Metal Products	26	3,409	0	*	13	*	*	0	*
333	Machinery	6	1,271	0	*	Q	*	0	0	*
334	Computer and Electronic Products	52	9,636	0	*	19	*	0	0	*
334413	Semiconductors and Related Devices	29	4,983	0	*	12	*	0	0	*
335	Electrical Equip., Appliances, and Components	3	478	0	*	Q	*	0	0	*
336	Transportation Equipment	29	4,891	0	*	12	*	0	0	*
336111	Automobiles	*	28	0	0	*	*	0	0	0
336112	Light Trucks and Utility Vehicles	*	23	0	0	*	0	0	0	0
3364	Aerospace Product and Parts	23	3,707	0	*	10	*	0	0	*
336411	Aircraft	4	655	0	*	2	*	0	0	*
337	Furniture and Related Products	3	408	0	0	1	*	0	0	*
339	Miscellaneous	11	2,197	0	*	3	*	0	0	*
	Total	1,280	101,593	1	6	596	2	6	*	136

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

(b) 'Electricity' consists of quantities of electricity that were purchased or transferred in, and is equivalent to 'purchased electricity' as defined in the 'Annual Survey of Manufactures.'

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

(d) '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.

(e) Examples of Liquefied Petroleum Gases '(LPG)' are 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).'

Released: March 2013

Next MECS will be fielded in 2015

Table 4.1 Offsite-Produced Fuel Consumption, 2010;

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

NAICS Code(a)	Subsector and Industry	Total (trillion Btu)	Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(f) (trillion Btu)

(f) 'Other' includes all other energy that was purchased or transferred in and not shown elsewhere.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

Notes: Totals may not equal sum of components because of independent rounding. The derived estimates presented in this table represent the consumption of energy originally produced offsite, acquired as a result of a purchase or transfer and consumed onsite for the production of heat and power. This definition is consistent with the definition of 'purchased' fuels and electric energy used by the Bureau of the Census in the preparation of 'Fuels and Electric Energy Consumed,' of the 'Annual Survey of Manufactures,' for 1974 through 1981.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2010.

Released: March 2013

Next MECS will be fielded in 2015

RSE Table 4.2 Relative Standard Errors for Table 4.2;

Unit: Percents.

NAICS Code(a)	Subsector and Industry	Total	Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
		Total United States								
311	Food	3.2	3.0	15.4	20.2	5.2	13.5	1.8	0.0	8.1
3112	Grain and Oilseed Milling	1.1	1.9	38.6	3.9	2.0	25.9	1.1	X	6.1
311221	Wet Corn Milling	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
31131	Sugar Manufacturing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3114	Fruit and Vegetable Preserving and Specialty Foods	13.2	7.1	13.1	71.3	16.7	17.6	0.0	X	2.5
3115	Dairy Products	5.2	3.8	18.3	12.8	6.8	16.3	0.0	X	15.9
3116	Animal Slaughtering and Processing	7.9	7.0	10.3	8.2	9.6	25.5	67.2	X	20.8
312	Beverage and Tobacco Products	3.5	3.1	0.0	7.4	6.0	11.7	0.0	X	11.4
3121	Beverages	3.9	3.5	0.0	8.6	6.7	12.3	0.0	X	11.4
3122	Tobacco	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
313	Textile Mills	8.6	11.3	34.5	62.4	9.1	29.8	37.8	X	16.7
314	Textile Product Mills	15.8	15.4	67.5	77.0	13.8	74.8	90.9	X	67.4
315	Apparel	11.9	12.3	X	78.9	12.8	70.7	X	X	67.0
316	Leather and Allied Products	6.0	7.8	0.0	20.9	9.0	11.0	X	X	0.3
321	Wood Products	8.8	1.7	30.7	37.1	4.1	7.8	0.3	X	14.4
321113	Sawmills	14.7	3.2	71.8	52.9	11.1	11.6	X	X	18.0
3212	Veneer, Plywood, and Engineered Woods	1.4	1.2	0.0	43.1	1.8	2.5	0.1	X	0.2
321219	Reconstituted Wood Products	1.9	1.4	0.0	68.0	1.4	4.3	0.0	X	0.2
3219	Other Wood Products	6.9	4.9	69.7	32.5	12.9	13.2	98.9	X	19.9
322	Paper	0.6	1.3	1.1	4.2	1.4	7.1	0.1	0.0	0.1
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322122	Newsprint Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
323	Printing and Related Support	10.8	13.0	92.3	65.5	13.5	22.7	X	X	50.3
324	Petroleum and Coal Products	0.2	0.2	2.7	2.9	0.2	1.3	4.0	X	0.2
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
324121	Asphalt Paving Mixture and Block	3.6	6.0	10.6	3.9	5.0	9.2	62.9	X	13.1
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
325	Chemicals	1.5	1.9	19.2	6.8	1.8	22.8	3.1	X	6.2
325110	Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
325120	Industrial Gases	12.1	11.0	X	0.5	33.8	75.1	X	X	0.0
325181	Alkalies and Chlorine	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
325182	Carbon Black	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
325188	Other Basic Inorganic Chemicals	7.0	3.4	4.3	5.2	3.6	17.8	0.0	X	23.6
325192	Cyclic Crudes and Intermediates	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
325193	Ethyl Alcohol	4.0	3.6	X	9.1	4.8	27.6	10.1	X	1.5
325199	Other Basic Organic Chemicals	3.9	3.2	0.0	5.9	2.6	11.7	1.7	X	22.9
325211	Plastics Materials and Resins	5.8	2.7	61.9	7.2	8.0	12.0	16.3	X	4.3
325212	Synthetic Rubber	5.1	5.8	X	3.9	1.2	4.6	0.0	X	21.1
325222	Noncellulosic Organic Fibers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
3254	Pharmaceuticals and Medicines	3.8	2.4	20.4	2.5	5.9	32.4	0.0	X	7.3
325412	Pharmaceutical Preparation	1.5	2.0	20.9	3.8	1.7	45.3	0.0	X	0.1
325992	Photographic Film, Paper, Plate, and Chemicals	6.4	12.3	0.0	3.8	9.4	39.8	0.0	X	24.1
326	Plastics and Rubber Products	6.4	6.9	87.6	30.0	10.5	13.6	69.1	X	62.9
327	Nonmetallic Mineral Products	1.3	1.8	41.9	11.1	2.2	25.0	0.4	11.2	4.6
327121	Brick and Structural Clay Tile	2.6	5.2	69.8	8.3	2.8	0.0	4.0	X	17.9
327211	Flat Glass	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	1.2	0.8	X	0.3	0.7	18.8	X	X	76.5
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	1.3	1.1	X	2.4	2.5	5.1	0.0	X	0.1
327310	Cements	1.2	1.0	0.0	1.6	2.0	7.6	0.7	0.0	4.4
327410	Lime	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	0.2	0.6	0.0	0.0	0.2	1.7	X	X	0.0
327993	Mineral Wool	4.0	3.1	X	16.6	3.3	6.3	X	33.2	0.9
331	Primary Metals	0.6	1.0	3.8	0.6	0.9	2.8	0.0	0.1	0.5
331111	Iron and Steel Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
331112	Electrometallurgical Ferroalloy Products	0.0	0.0	X	0.0	0.0	0.0	X	0.0	0.0
3312	Steel Products from Purchased Steel	9.9	20.8	79.4	13.0	4.4	13.0	X	0.0	2.1
3313	Alumina and Aluminum	0.1	0.1	0.0	0.1	0.1	0.5	X	X	0.1
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331316	Aluminum Extruded Products	1.4	2.1	X	0.2	1.2	2.2	X	X	0.4

Released: March 2013

Next MECS will be fielded in 2015

RSE Table 4.2 Relative Standard Errors for Table 4.2;

Unit: Percents.

NAICS Code(a)	Subsector and Industry	Total	Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
3314	Nonferrous Metals, except Aluminum	5.1	3.0	0.0	4.7	9.4	5.2	X	10.4	0.9
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	0.0	0.0	X	0.0	0.0	0.0	X	0.0	0.0
3315	Foundries	0.8	1.0	X	1.4	1.1	4.6	X	1.0	1.5
331511	Iron Foundries	1.0	1.6	X	1.3	1.2	12.6	X	1.0	2.1
331521	Aluminum Die-Casting Foundries	2.0	1.3	X	0.0	2.5	1.4	X	X	0.3
331524	Aluminum Foundries, except Die-Casting	3.5	2.0	X	4.6	4.2	10.2	X	X	0.2
332	Fabricated Metal Products	10.4	11.2	99.5	30.1	13.4	19.9	99.5	X	59.1
333	Machinery	8.1	8.0	99.0	31.7	10.6	15.5	X	X	30.6
334	Computer and Electronic Products	6.5	7.7	0.0	39.8	8.8	47.3	X	X	26.8
334413	Semiconductors and Related Devices	4.9	1.6	0.0	10.1	13.2	7.5	X	X	11.2
335	Electrical Equip., Appliances, and Components	7.6	8.1	73.3	34.5	9.6	32.7	X	0.0	23.4
336	Transportation Equipment	4.5	5.4	0.0	20.5	4.9	20.1	12.9	X	2.7
336111	Automobiles	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
336112	Light Trucks and Utility Vehicles	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
3364	Aerospace Product and Parts	1.3	1.4	0.0	9.6	2.0	17.7	0.0	X	0.4
336411	Aircraft	0.8	1.0	0.0	0.0	0.7	1.6	X	X	0.5
337	Furniture and Related Products	7.9	8.0	X	33.9	9.4	16.0	53.9	X	45.5
339	Miscellaneous	8.3	9.3	99.0	40.9	11.0	34.9	99.0	X	60.2
	Total	0.7	1.1	3.8	8.1	1.0	5.0	0.9	0.3	2.4
	Northeast Census Region									
311	Food	10.6	9.7	34.9	26.9	13.2	9.9	0.0	X	5.7
3112	Grain and Oilseed Milling	4.3	5.9	0.0	0.0	4.5	5.1	X	X	0.0
311221	Wet Corn Milling	0.0	0.0	0.0	X	X	0.0	X	X	X
31131	Sugar Manufacturing	0.0	0.0	X	0.0	0.0	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Foods	10.0	7.3	12.0	27.1	15.7	13.9	0.0	X	0.1
3115	Dairy Products	4.6	5.7	2.7	4.9	5.5	0.5	X	X	0.0
3116	Animal Slaughtering and Processing	7.0	7.2	19.3	12.3	8.2	14.9	X	X	6.1
312	Beverage and Tobacco Products	4.9	5.2	0.0	6.2	3.4	21.0	X	X	58.8
3121	Beverages	5.2	5.3	0.0	6.6	3.6	21.4	X	X	58.8
3122	Tobacco	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
313	Textile Mills	8.9	10.1	48.8	31.9	9.8	16.7	X	X	5.0
314	Textile Product Mills	74.6	70.1	X	90.9	58.9	90.9	90.9	X	67.2
315	Apparel	56.6	78.1	X	X	64.7	X	X	X	X
316	Leather and Allied Products	6.3	10.5	0.0	24.2	12.5	38.3	X	X	0.1
321	Wood Products	4.5	4.9	59.6	23.8	5.4	17.6	79.4	X	0.4
321113	Sawmills	10.3	1.9	0.0	33.4	3.2	8.0	X	X	1.2
3212	Veneer, Plywood, and Engineered Woods	0.5	0.6	X	1.6	0.5	6.6	57.8	X	0.5
321219	Reconstituted Wood Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3219	Other Wood Products	10.2	10.8	69.7	40.9	8.4	32.8	98.9	X	12.6
322	Paper	2.3	5.8	3.2	16.0	3.7	11.9	0.0	X	0.6
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322122	Newsprint Mills	0.0	0.0	0.0	0.0	X	0.0	X	X	0.0
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
323	Printing and Related Support	29.7	37.4	92.3	72.9	29.0	68.0	X	X	98.8
324	Petroleum and Coal Products	1.2	0.4	1.9	4.4	1.8	2.5	0.0	X	2.5
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
324121	Asphalt Paving Mixture and Block	6.8	6.1	11.1	6.0	8.2	62.0	X	X	34.3
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
325	Chemicals	6.5	7.7	37.9	9.6	8.9	27.2	0.0	X	10.4
325110	Petrochemicals	0.0	0.0	X	0.0	0.0	X	X	X	X
325120	Industrial Gases	12.1	15.8	X	0.4	7.3	86.1	X	X	0.0
325181	Alkalies and Chlorine	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325182	Carbon Black	0.0	0.0	X	X	0.0	X	X	X	X
325188	Other Basic Inorganic Chemicals	5.5	3.3	0.0	0.1	8.1	20.6	X	X	0.2
325192	Cyclic Crudes and Intermediates	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
325193	Ethyl Alcohol	0.0	0.0	X	0.0	0.0	0.0	X	X	X
325199	Other Basic Organic Chemicals	29.1	4.5	X	22.4	32.7	7.2	X	X	34.6
325211	Plastics Materials and Resins	4.7	4.5	X	61.4	9.2	11.7	X	X	0.1
325212	Synthetic Rubber	0.0	0.0	X	X	0.0	0.0	X	X	X
325222	Noncellulosic Organic Fibers	0.0	0.0	X	0.0	X	0.0	X	X	0.0
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
325312	Phosphatic Fertilizers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3254	Pharmaceuticals and Medicines	5.0	6.4	75.9	1.4	5.1	65.8	X	X	37.2
325412	Pharmaceutical Preparation	3.8	6.4	75.9	1.7	3.0	5.2	X	X	1.9

Released: March 2013

Next MECS will be fielded in 2015

RSE Table 4.2 Relative Standard Errors for Table 4.2;

Unit: Percents.

NAICS Code(a)	Subsector and Industry	Total	Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
325992	Photographic Film, Paper, Plate, and Chemicals	8.2	20.4	0.0	4.2	15.0	0.0	0.0	X	34.7
326	Plastics and Rubber Products	24.0	24.3	X	70.0	30.7	50.5	69.1	X	68.8
327	Nonmetallic Mineral Products	3.2	3.3	70.6	31.3	4.9	15.3	1.0	0.0	1.9
327121	Brick and Structural Clay Tile	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
327211	Flat Glass	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	0.4	1.0	X	0.0	0.4	27.2	X	X	6.3
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	3.9	4.0	X	9.0	5.3	11.0	0.0	X	0.1
327310	Cements	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
327410	Lime	0.0	0.0	X	0.0	X	0.0	0.0	X	0.0
327420	Gypsum	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
327993	Mineral Wool	22.3	27.1	X	7.8	21.3	16.5	X	X	0.0
331	Primary Metals	5.5	3.0	20.0	4.0	7.1	10.8	0.0	2.7	19.2
331111	Iron and Steel Mills	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
331112	Electrometallurgical Ferroalloy Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3312	Steel Products from Purchased Steel	6.8	8.3	79.4	35.2	7.5	14.0	X	0.0	40.4
3313	Alumina and Aluminum	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331316	Aluminum Extruded Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3314	Nonferrous Metals, except Aluminum	31.4	20.2	0.0	25.7	36.8	30.8	X	0.0	59.8
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3315	Foundries	1.3	1.5	X	1.8	1.5	5.5	X	25.8	2.2
331511	Iron Foundries	1.2	0.7	X	2.7	1.2	5.4	X	25.8	0.1
331521	Aluminum Die-Casting Foundries	0.0	0.0	X	X	0.0	0.0	X	X	X
331524	Aluminum Foundries, except Die-Casting	2.7	2.8	X	1.3	2.8	26.4	X	X	0.5
332	Fabricated Metal Products	20.6	20.2	99.5	51.1	26.0	41.6	X	X	55.0
333	Machinery	22.4	22.9	X	65.7	27.2	37.6	X	X	73.6
334	Computer and Electronic Products	10.7	12.5	0.0	58.4	10.7	90.6	X	X	7.9
334413	Semiconductors and Related Devices	1.9	2.9	0.0	13.6	1.4	52.6	X	X	0.1
335	Electrical Equip., Appliances, and Components	17.4	16.8	73.3	43.1	23.2	35.6	X	0.0	3.4
336	Transportation Equipment	12.5	18.5	0.0	38.2	11.2	9.7	X	X	2.2
336111	Automobiles	0.0	0.0	X	X	0.0	0.0	X	X	0.0
336112	Light Trucks and Utility Vehicles	X	X	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	1.9	5.4	0.0	32.2	1.3	3.4	X	X	0.0
336411	Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
337	Furniture and Related Products	22.6	26.8	X	98.4	25.1	32.5	X	X	82.4
339	Miscellaneous	14.6	16.9	X	43.1	17.0	52.9	X	X	67.3
	Total	2.2	3.0	8.2	7.9	3.1	5.7	3.0	0.7	1.6
	Midwest Census Region									
311	Food	4.8	5.6	11.9	16.4	9.0	23.8	1.3	0.0	8.7
3112	Grain and Oilseed Milling	0.7	2.2	30.7	4.1	1.3	9.0	1.1	X	2.0
311221	Wet Corn Milling	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
31131	Sugar Manufacturing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3114	Fruit and Vegetable Preserving and Specialty Foods	2.7	3.1	0.0	29.5	3.7	23.6	0.0	X	0.7
3115	Dairy Products	2.8	3.2	32.2	31.8	3.3	52.7	0.0	X	19.9
3116	Animal Slaughtering and Processing	17.2	15.9	0.7	11.0	19.6	49.1	X	X	27.5
312	Beverage and Tobacco Products	8.2	6.1	0.0	18.6	15.7	8.6	0.0	X	0.1
3121	Beverages	8.3	6.1	0.0	18.6	15.8	8.6	0.0	X	0.1
3122	Tobacco	0.0	0.0	X	X	0.0	0.0	X	X	X
313	Textile Mills	7.8	12.1	X	3.1	6.4	6.6	X	X	11.2
314	Textile Product Mills	63.0	64.9	X	X	62.5	69.7	X	X	X
315	Apparel	65.2	57.7	X	X	69.8	X	X	X	X
316	Leather and Allied Products	9.5	18.1	X	0.0	10.6	4.4	X	X	0.1
321	Wood Products	30.0	6.3	62.1	39.6	4.4	16.2	0.0	X	74.6
321113	Sawmills	59.5	11.8	81.8	55.5	1.9	11.4	X	X	83.4
3212	Veneer, Plywood, and Engineered Woods	2.4	2.8	0.0	8.2	4.2	12.7	0.0	X	25.3
321219	Reconstituted Wood Products	0.8	2.0	0.0	0.3	0.8	23.4	0.0	X	0.0
3219	Other Wood Products	10.3	10.1	X	33.3	8.4	21.8	X	X	47.3
322	Paper	2.9	4.0	4.8	1.8	5.4	18.6	0.1	X	0.1
322110	Pulp Mills	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322122	Newsprint Mills	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
323	Printing and Related Support	14.2	14.4	X	23.6	16.5	27.1	X	X	58.8

Released: March 2013

Next MECS will be fielded in 2015

RSE Table 4.2 Relative Standard Errors for Table 4.2;

Unit: Percents.

NAICS Code(a)	Subsector and Industry	Total	Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
324	Petroleum and Coal Products	0.5	0.7	9.2	7.0	0.7	6.9	62.9	X	0.3
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
324121	Asphalt Paving Mixture and Block	8.1	21.8	20.5	12.2	8.4	78.5	62.9	X	22.5
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325	Chemicals	4.0	6.7	0.0	5.4	3.9	40.3	9.9	X	17.2
325110	Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
325120	Industrial Gases	25.1	25.8	X	41.2	9.0	X	X	X	X
325181	Alkalies and Chlorine	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325182	Carbon Black	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325188	Other Basic Inorganic Chemicals	23.2	8.4	X	6.7	9.6	4.8	X	X	31.6
325192	Cyclic Crudes and Intermediates	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325193	Ethyl Alcohol	4.8	4.4	X	10.0	5.8	39.3	10.1	X	2.9
325199	Other Basic Organic Chemicals	1.2	1.9	X	1.3	2.8	1.2	3.5	X	0.2
325211	Plastics Materials and Resins	1.6	3.9	0.0	1.9	2.5	50.9	0.0	X	0.1
325212	Synthetic Rubber	0.5	1.3	X	0.0	0.6	10.0	0.0	X	0.1
325222	Noncellulosic Organic Fibers	0.0	0.0	X	X	0.0	0.0	X	X	0.0
325311	Nitrogenous Fertilizers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325312	Phosphatic Fertilizers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3254	Pharmaceuticals and Medicines	10.5	3.0	0.0	7.9	22.5	15.6	0.0	X	0.3
325412	Pharmaceutical Preparation	1.3	1.5	X	10.3	2.4	0.2	0.0	X	0.1
325992	Photographic Film, Paper, Plate, and Chemicals	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
326	Plastics and Rubber Products	14.1	15.6	X	46.2	20.3	21.0	X	X	94.8
327	Nonmetallic Mineral Products	2.5	4.2	0.0	24.9	4.1	15.3	0.0	22.0	6.7
327121	Brick and Structural Clay Tile	4.6	7.8	X	4.9	3.9	0.0	0.0	X	63.3
327211	Flat Glass	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	0.6	1.1	X	0.0	0.7	0.3	X	X	0.0
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	2.1	1.8	X	0.0	5.4	1.7	X	X	0.4
327310	Cements	3.7	1.5	X	5.2	0.8	4.4	0.0	0.0	8.6
327410	Lime	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	1.2	3.0	X	0.0	1.0	7.3	X	X	0.0
327993	Mineral Wool	6.7	4.4	X	20.7	2.5	7.1	X	33.3	0.9
331	Primary Metals	0.1	0.2	0.0	0.6	0.2	2.4	0.0	0.1	0.5
331111	Iron and Steel Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
331112	Electrometallurgical Ferroalloy Products	0.0	0.0	X	0.0	0.0	0.0	X	0.0	0.0
3312	Steel Products from Purchased Steel	2.4	4.0	X	34.6	4.3	21.8	X	X	2.0
3313	Alumina and Aluminum	0.1	0.1	X	0.1	0.1	1.4	X	X	0.1
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331316	Aluminum Extruded Products	1.1	1.4	X	1.2	1.4	3.0	X	X	0.6
3314	Nonferrous Metals, except Aluminum	2.0	1.4	X	5.8	3.8	2.7	X	10.6	2.3
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	0.0	0.0	X	0.0	0.0	0.0	X	0.0	0.0
3315	Foundries	1.0	1.1	X	2.2	1.5	2.7	X	0.7	2.4
331511	Iron Foundries	1.1	1.6	X	2.3	1.5	4.6	X	0.7	2.7
331521	Aluminum Die-Casting Foundries	2.9	1.8	X	0.0	3.7	1.7	X	X	0.3
331524	Aluminum Foundries, except Die-Casting	3.8	2.9	X	5.7	4.4	4.0	X	X	0.1
332	Fabricated Metal Products	18.6	22.0	X	62.7	21.7	39.9	X	X	66.8
333	Machinery	12.2	12.2	99.0	41.3	14.3	25.0	X	X	12.9
334	Computer and Electronic Products	19.6	18.7	X	57.4	22.8	70.4	X	X	3.2
334413	Semiconductors and Related Devices	3.4	2.9	X	0.0	4.9	0.0	X	X	0.0
335	Electrical Equip., Appliances, and Components	18.0	19.4	X	47.6	21.0	64.6	X	X	61.1
336	Transportation Equipment	7.9	9.5	0.0	54.0	8.0	30.4	15.2	X	4.1
336111	Automobiles	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
336112	Light Trucks and Utility Vehicles	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
3364	Aerospace Product and Parts	1.6	2.2	0.0	0.1	2.0	6.9	X	X	0.1
336411	Aircraft	0.9	0.5	X	0.0	1.7	0.0	X	X	0.1
337	Furniture and Related Products	15.3	15.4	X	45.4	17.0	24.1	61.1	X	63.9
339	Miscellaneous	22.1	27.3	X	69.2	23.7	30.7	99.0	X	97.4
	Total	1.7	2.6	7.5	11.0	2.4	12.3	1.7	0.5	6.5
	South Census Region									
311	Food	4.4	4.8	23.4	25.5	5.0	26.4	16.2	X	5.5
3112	Grain and Oilseed Milling	3.7	4.5	74.2	17.0	6.9	60.4	4.2	X	3.7
311221	Wet Corn Milling	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
31131	Sugar Manufacturing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
3114	Fruit and Vegetable Preserving and Specialty Foods	4.5	13.6	30.1	5.2	3.1	19.0	X	X	0.2

Released: March 2013

Next MECS will be fielded in 2015

RSE Table 4.2 Relative Standard Errors for Table 4.2;

Unit: Percents.

NAICS Code(a)	Subsector and Industry	Total	Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
3115	Dairy Products	5.8	10.6	X	24.5	3.9	15.5	X	X	0.1
3116	Animal Slaughtering and Processing	3.4	3.4	12.2	12.2	4.7	39.7	67.2	X	44.1
312	Beverage and Tobacco Products	4.8	3.5	0.0	7.9	8.8	10.2	0.0	X	21.5
3121	Beverages	6.3	4.8	0.0	9.5	11.3	12.3	0.0	X	21.5
3122	Tobacco	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
313	Textile Mills	10.1	12.5	48.8	70.3	12.1	41.9	37.8	X	16.7
314	Textile Product Mills	15.1	17.7	67.5	57.8	15.3	39.9	X	X	81.4
315	Apparel	13.9	14.2	X	78.9	12.4	70.7	X	X	67.0
316	Leather and Allied Products	16.9	9.6	X	60.6	39.9	13.7	X	X	78.0
321	Wood Products	11.1	2.7	0.0	24.4	7.7	14.7	0.0	X	16.0
321113	Sawmills	17.0	5.0	X	5.5	31.5	27.5	X	X	19.2
3212	Veneer, Plywood, and Engineered Woods	2.0	1.6	0.0	50.7	2.1	3.2	0.0	X	0.2
321219	Reconstituted Wood Products	2.6	2.0	0.0	76.2	2.0	4.3	0.0	X	0.2
3219	Other Wood Products	14.8	10.7	X	55.9	38.0	28.1	X	X	32.5
322	Paper	0.8	2.6	0.0	0.0	1.7	11.0	0.0	0.0	0.1
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322122	Newsprint Mills	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
323	Printing and Related Support	18.6	15.7	X	46.9	28.6	27.9	X	X	89.5
324	Petroleum and Coal Products	0.2	0.2	10.3	4.9	0.2	1.8	0.0	X	0.1
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
324121	Asphalt Paving Mixture and Block	6.4	6.2	17.1	5.6	12.0	21.7	X	X	7.3
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325	Chemicals	1.7	1.5	18.0	10.1	2.1	5.2	3.0	X	6.6
325110	Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
325120	Industrial Gases	18.2	3.7	X	0.0	36.1	93.7	X	X	0.0
325181	Alkalies and Chlorine	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
325182	Carbon Black	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
325188	Other Basic Inorganic Chemicals	2.8	4.1	61.2	17.4	4.6	33.2	0.0	X	1.1
325192	Cyclic Crudes and Intermediates	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
325193	Ethyl Alcohol	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325199	Other Basic Organic Chemicals	4.4	4.5	0.0	5.1	2.5	44.9	2.0	X	29.4
325211	Plastics Materials and Resins	6.6	3.4	61.9	7.4	8.6	10.7	34.1	X	5.6
325212	Synthetic Rubber	6.2	8.3	X	12.5	1.4	5.8	0.0	X	22.1
325222	Noncellulosic Organic Fibers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
325311	Nitrogenous Fertilizers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
3254	Pharmaceuticals and Medicines	4.4	4.3	0.0	6.0	3.3	49.8	X	X	12.7
325412	Pharmaceutical Preparation	3.2	4.1	0.0	10.4	4.3	66.6	X	X	0.1
325992	Photographic Film, Paper, Plate, and Chemicals	1.2	2.0	X	0.0	0.7	68.6	X	X	0.0
326	Plastics and Rubber Products	12.0	12.4	87.6	4.6	15.5	24.4	X	X	72.4
327	Nonmetallic Mineral Products	2.1	2.9	2.2	14.1	3.2	16.5	1.0	0.0	9.6
327121	Brick and Structural Clay Tile	3.7	7.5	69.8	11.0	4.3	0.0	6.0	X	18.6
327211	Flat Glass	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	2.4	1.2	X	0.0	1.4	0.3	X	X	82.0
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	1.8	1.8	X	0.0	2.6	11.0	X	X	2.3
327310	Cements	1.2	2.0	0.0	2.4	2.9	14.5	1.5	0.0	0.1
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
327420	Gypsum	0.1	0.3	X	0.0	0.0	0.0	X	X	0.0
327993	Mineral Wool	2.5	2.9	X	40.7	2.8	15.5	X	0.0	0.1
331	Primary Metals	0.9	2.3	0.0	0.8	0.5	7.2	0.0	0.3	0.1
331111	Iron and Steel Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
331112	Electrometallurgical Ferroalloy Products	0.0	0.0	X	0.0	0.0	X	X	X	0.0
3312	Steel Products from Purchased Steel	27.8	38.3	X	16.7	12.0	21.0	X	X	0.6
3313	Alumina and Aluminum	0.2	0.3	X	0.0	0.2	0.7	X	X	0.1
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331316	Aluminum Extruded Products	3.4	7.0	X	0.0	2.5	5.6	X	X	0.6
3314	Nonferrous Metals, except Aluminum	1.3	2.7	X	2.0	2.3	21.0	X	21.8	0.1
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3315	Foundries	2.1	2.8	X	2.3	2.8	22.8	X	3.1	2.1
331511	Iron Foundries	2.8	5.4	X	1.9	2.5	44.5	X	3.1	3.3
331521	Aluminum Die-Casting Foundries	1.4	1.5	X	0.0	1.5	2.9	X	X	0.0
331524	Aluminum Foundries, except Die-Casting	11.4	6.6	X	5.6	13.4	0.5	X	X	0.2
332	Fabricated Metal Products	19.8	17.3	X	39.3	27.9	28.3	X	X	72.5
333	Machinery	17.8	17.8	X	49.5	23.6	22.2	X	X	44.2

Released: March 2013

Next MECS will be fielded in 2015

RSE Table 4.2 Relative Standard Errors for Table 4.2;

Unit: Percents.

NAICS Code(a)	Subsector and Industry	Total	Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
334	Computer and Electronic Products	17.2	20.2	X	40.0	11.2	26.7	X	X	33.5
334413	Semiconductors and Related Devices	2.8	3.0	X	0.2	2.5	0.5	X	X	0.0
335	Electrical Equip., Appliances, and Components	13.8	14.4	X	27.8	15.8	24.7	X	X	46.8
336	Transportation Equipment	8.7	10.0	0.0	8.7	10.6	27.6	0.0	X	5.0
336111	Automobiles	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
336112	Light Trucks and Utility Vehicles	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3364	Aerospace Product and Parts	2.9	2.2	0.0	13.4	5.7	31.5	0.0	X	0.6
336411	Aircraft	1.6	1.8	0.0	0.0	1.8	2.0	X	X	2.5
337	Furniture and Related Products	14.1	14.2	X	36.4	15.5	23.8	87.5	X	46.0
339	Miscellaneous	17.7	17.5	99.0	66.5	26.9	66.0	X	X	88.6
	Total	1.0	1.5	4.5	5.6	1.2	6.0	1.5	0.3	3.1
	West Census Region									
311	Food	10.4	7.3	0.0	36.4	14.3	30.0	0.0	0.0	47.7
3112	Grain and Oilseed Milling	19.3	4.0	X	8.7	11.2	9.2	X	X	68.7
311221	Wet Corn Milling	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
31131	Sugar Manufacturing	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
3114	Fruit and Vegetable Preserving and Specialty Foods	25.3	15.2	0.0	83.0	29.2	32.8	X	X	6.9
3115	Dairy Products	13.9	8.6	X	48.6	16.6	0.3	X	X	88.7
3116	Animal Slaughtering and Processing	8.6	8.4	X	24.1	9.1	31.3	X	X	18.5
312	Beverage and Tobacco Products	9.3	9.4	X	33.7	14.8	22.7	X	X	2.0
3121	Beverages	9.3	9.4	X	33.7	14.8	22.7	X	X	2.0
3122	Tobacco	0.0	0.0	X	X	X	0.0	X	X	X
313	Textile Mills	21.6	13.0	0.0	35.8	28.9	26.0	X	X	52.5
314	Textile Product Mills	69.2	62.3	X	99.4	74.6	98.5	X	X	99.4
315	Apparel	30.2	35.9	X	X	13.7	X	X	X	X
316	Leather and Allied Products	10.8	11.1	X	X	24.7	45.8	X	X	X
321	Wood Products	17.1	2.9	X	67.8	3.2	14.0	X	X	2.3
321113	Sawmills	31.6	4.4	X	78.4	1.7	11.0	X	X	2.3
3212	Veneer, Plywood, and Engineered Woods	1.7	2.0	X	7.2	4.7	3.2	X	X	0.1
321219	Reconstituted Wood Products	0.5	0.7	X	1.8	0.9	3.0	X	X	0.1
3219	Other Wood Products	20.7	11.4	X	79.9	17.7	22.9	X	X	21.4
322	Paper	1.9	1.9	0.0	20.2	3.8	23.5	0.0	X	0.1
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
322122	Newsprint Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
323	Printing and Related Support	51.2	64.5	X	X	41.8	42.3	X	X	X
324	Petroleum and Coal Products	0.3	0.2	0.6	8.4	0.5	2.0	0.0	X	0.3
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0
324121	Asphalt Paving Mixture and Block	7.6	6.4	13.5	20.8	10.3	7.1	X	X	13.8
324199	Other Petroleum and Coal Products	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
325	Chemicals	1.2	2.7	X	14.8	2.1	9.4	0.0	X	0.1
325110	Petrochemicals	X	X	X	X	X	X	X	X	X
325120	Industrial Gases	2.2	1.9	X	X	29.1	X	X	X	X
325181	Alkalies and Chlorine	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
325182	Carbon Black	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325188	Other Basic Inorganic Chemicals	0.6	0.9	X	0.9	2.2	6.0	0.0	X	0.0
325192	Cyclic Crudes and Intermediates	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325193	Ethyl Alcohol	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325199	Other Basic Organic Chemicals	1.4	2.6	X	0.0	1.8	19.2	X	X	0.0
325211	Plastics Materials and Resins	8.8	1.4	X	31.2	14.1	11.6	X	X	0.0
325212	Synthetic Rubber	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325222	Noncellulosic Organic Fibers	0.0	0.0	X	X	0.0	0.0	X	X	X
325311	Nitrogenous Fertilizers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
325312	Phosphatic Fertilizers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3254	Pharmaceuticals and Medicines	4.5	4.5	X	14.4	4.8	9.3	X	X	0.1
325412	Pharmaceutical Preparation	2.9	3.3	X	0.0	2.9	12.5	X	X	0.0
325992	Photographic Film, Paper, Plate, and Chemicals	1.1	2.4	X	0.0	0.5	0.0	X	X	0.0
326	Plastics and Rubber Products	21.2	21.0	X	63.7	44.0	30.4	X	X	91.7
327	Nonmetallic Mineral Products	3.9	5.3	96.6	31.0	8.3	57.3	0.9	0.0	4.0
327121	Brick and Structural Clay Tile	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327211	Flat Glass	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327212	Other Pressed and Blown Glass and Glassware	1.4	5.0	X	13.2	1.5	27.3	X	X	17.3
327213	Glass Containers	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
327215	Glass Products from Purchased Glass	3.7	1.6	X	0.0	10.9	4.1	X	X	0.1

Released: March 2013

Next MECS will be fielded in 2015

RSE Table 4.2 Relative Standard Errors for Table 4.2;

Unit: Percents.

NAICS Code(a)	Subsector and Industry	Total	Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
327310	Cements	1.0	0.9	X	1.7	0.4	22.3	1.2	0.0	0.0
327410	Lime	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
327420	Gypsum	0.2	2.1	X	0.0	0.1	2.9	X	X	0.0
327993	Mineral Wool	4.9	8.1	X	0.9	2.9	5.1	X	X	0.0
331	Primary Metals	1.2	0.3	X	1.5	2.4	1.5	0.0	0.0	0.1
331111	Iron and Steel Mills	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0
331112	Electrometallurgical Ferroalloy Products	0.0	0.0	X	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	15.1	14.5	X	0.0	18.1	8.0	X	X	0.1
3313	Alumina and Aluminum	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	X	0.0	0.0	0.0	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
331316	Aluminum Extruded Products	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3314	Nonferrous Metals, except Aluminum	3.3	0.9	X	3.9	5.8	3.6	X	0.0	0.1
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	0.0	0.0	X	0.0	0.0	0.0	X	X	0.0
3315	Foundries	1.3	1.3	X	3.6	1.9	2.2	X	0.0	19.7
331511	Iron Foundries	1.2	2.1	X	0.0	1.8	6.3	X	0.0	1.0
331521	Aluminum Die-Casting Foundries	0.0	0.0	X	X	0.0	0.0	X	X	0.0
331524	Aluminum Foundries, except Die-Casting	1.3	0.9	X	38.7	1.7	2.1	X	X	0.0
332	Fabricated Metal Products	22.2	20.1	X	67.1	30.7	43.5	99.5	X	63.6
333	Machinery	31.1	30.4	X	95.5	58.8	42.9	X	X	83.8
334	Computer and Electronic Products	9.5	9.1	X	13.1	16.3	92.7	X	X	59.6
334413	Semiconductors and Related Devices	9.4	2.6	X	3.6	21.3	33.1	X	X	37.7
335	Electrical Equip., Appliances, and Components	41.6	37.5	X	98.9	51.6	60.6	X	X	69.8
336	Transportation Equipment	10.3	13.5	X	42.0	7.9	28.2	X	X	7.9
336111	Automobiles	0.0	0.0	X	X	0.0	0.0	X	X	X
336112	Light Trucks and Utility Vehicles	0.0	0.0	X	X	0.0	X	X	X	X
3364	Aerospace Product and Parts	2.8	2.7	X	4.6	4.3	38.9	X	X	7.5
336411	Aircraft	2.0	2.0	X	0.0	2.2	0.6	X	X	0.0
337	Furniture and Related Products	33.5	27.4	X	X	46.4	70.6	X	X	57.4
339	Miscellaneous	20.1	20.7	X	53.4	29.0	39.2	X	X	63.2
	Total	2.1	2.8	5.0	27.0	3.3	10.7	0.5	0.0	1.8

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

(b) 'Electricity' consists of quantities of electricity that were purchased or transferred in, and is equivalent to 'purchased electricity' as defined in the 'Annual Survey of Manufactures.'

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

(d) '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.

(e) Examples of Liquefied Petroleum Gases '(LPG)' are 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).'

(f) 'Other' includes all other energy that was purchased or transferred in and not shown elsewhere.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

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

Notes: Totals may not equal sum of components because of independent rounding. The derived estimates presented in this table represent the consumption of energy originally produced offsite, acquired as a result of a purchase or transfer and consumed onsite for the production of heat and power. This definition is consistent with the definition of 'purchased' fuels and electric energy used by the Bureau of the Census in the preparation of 'Fuels and Electric Energy Consumed,' of the 'Annual Survey of Manufactures,' for 1974 through 1981.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2010.

Released: March 2013
Next MECS will be fielded in 2015

Table 4.3 Offsite-Produced Fuel Consumption, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Energy Sources;
Unit: Trillion Btu.

Economic Characteristic(a)	Total	Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
Total United States									
Value of Shipments and Receipts (million dollars)									
Under 20	1,038	314	6	53	445	14	25	Q	181
20-49	918	296	11	19	381	10	97	5	97
50-99	1,018	308	7	13	440	5	130	6	110
100-249	1,534	427	16	10	792	7	131	7	143
250-499	1,401	406	16	11	583	3	185	5	193
500 and Over	4,700	791	18	17	2,560	7	300	277	731
Total	10,608	2,543	73	122	5,200	46	868	301	1,455
Employment Size									
Under 50	1,096	306	10	42	564	13	31	1	129
50-99	1,048	258	5	18	485	8	66	3	204
100-249	2,034	548	14	25	968	10	234	8	227
250-499	2,112	531	17	16	1,016	7	256	7	263
500-999	2,273	514	19	10	1,122	4	147	19	437
1000 and Over	2,046	386	8	10	1,045	4	134	263	194
Total	10,608	2,543	73	122	5,200	46	868	301	1,455
Northeast Census Region									
Value of Shipments and Receipts (million dollars)									
Under 20	135	49	3	11	67	2	2	*	3
20-49	122	33	7	6	42	2	9	0	23
50-99	135	40	6	2	63	1	11	1	12
100-249	171	45	6	2	75	1	15	*	26
250-499	157	42	1	1	74	*	24	*	15
500 and Over	211	52	4	2	117	*	11	*	25
Total	932	261	27	22	439	6	71	2	104
Employment Size									
Under 50	133	38	5	12	54	3	1	*	20
50-99	106	30	2	3	54	1	5	0	12
100-249	211	68	7	3	97	1	21	1	12
250-499	154	43	5	1	64	*	13	1	26
500-999	215	49	7	2	101	1	24	*	32
1000 and Over	114	32	1	1	69	*	9	*	1
Total	932	261	27	22	439	6	71	2	104
Midwest Census Region									
Value of Shipments and Receipts (million dollars)									
Under 20	346	100	*	8	166	4	7	Q	60
20-49	293	95	*	1	132	3	33	3	25
50-99	329	91	*	1	163	2	35	2	35
100-249	581	139	1	2	341	3	60	4	30

Released: March 2013
Next MECS will be fielded in 2015

Table 4.3 Offsite-Produced Fuel Consumption, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Energy Sources;
Unit: Trillion Btu.

Economic Characteristic(a)	Total	Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
250-499	313	99	*	1	132	1	42	4	33
500 and Over	1,218	256	2	7	499	3	174	162	115
Total	3,079	780	5	20	1,434	16	352	177	298
Employment Size									
Under 50	458	108	*	7	259	3	18	1	62
50-99	369	84	Q	2	218	3	25	Q	36
100-249	551	149	1	2	255	3	79	3	59
250-499	615	162	1	1	237	3	162	4	45
500-999	411	153	*	2	166	1	21	18	49
1000 and Over	675	124	1	5	299	2	47	149	47
Total	3,079	780	5	20	1,434	16	352	177	298
South Census Region									
Value of Shipments and Receipts (million dollars)									
Under 20	416	114	2	13	160	4	11	*	111
20-49	338	119	3	8	130	3	28	2	44
50-99	389	133	*	8	151	2	45	2	48
100-249	610	182	7	5	302	3	36	2	73
250-499	719	195	14	6	298	2	76	*	128
500 and Over	2,846	412	8	7	1,673	3	115	114	514
Total	5,317	1,156	36	46	2,714	16	311	120	918
Employment Size									
Under 50	360	112	4	12	184	4	5	*	40
50-99	447	111	2	4	157	3	17	1	152
100-249	996	258	4	13	507	4	78	2	131
250-499	1,027	240	8	9	564	3	53	1	148
500-999	1,363	238	12	5	703	2	80	1	323
1000 and Over	1,124	197	6	4	599	1	78	114	124
Total	5,317	1,156	36	46	2,714	16	311	120	918
West Census Region									
Value of Shipments and Receipts (million dollars)									
Under 20	141	51	*	21	52	4	6	*	7
20-49	165	50	*	Q	76	2	26	0	6
50-99	164	44	*	2	63	1	39	1	14
100-249	172	61	2	2	74	1	20	*	13
250-499	213	70	*	3	79	*	42	*	18
500 and Over	425	70	3	2	270	1	0	0	78
Total	1,280	347	6	34	614	9	134	2	136
Employment Size									
Under 50	145	49	1	11	67	3	8	*	7
50-99	125	33	0	Q	56	1	20	0	5
100-249	275	72	2	6	110	2	56	1	25
250-499	317	85	3	5	150	1	27	*	44

Released: March 2013
Next MECS will be fielded in 2015

Table 4.3 Offsite-Produced Fuel Consumption, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Energy Sources;
Unit: Trillion Btu.

Economic Characteristic(a)	Total	Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)
500-999	284	74	*	1	152	*	22	0	34
1000 and Over	133	33	0	*	79	*	0	0	21
Total	1,280	347	6	34	614	9	134	2	136

(a) Value of Shipments and Receipts and Employment Size categories were supplied by the Bureau of the Census.
(b) 'Electricity' consists of quantities of electricity that were purchased or transferred in, and is equivalent to 'purchased electricity' as defined in the 'Annual Survey of Manufactures.'
(c) 'Distillate Fuel Oil' includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.
(d) '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.
(e) Examples of Liquefied Petroleum Gases '(LPG)' are 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).'
(f) 'Other' includes all other energy that was purchased or transferred in and not shown elsewhere.
NF=No applicable RSE row/column factor.
* Estimate less than 0.5.
W=Withheld to avoid disclosing data for individual establishments.
Q=Withheld because Relative Standard Error is greater than 50 percent.
NA=Not available.
Notes: Totals may not equal sum of components because of independent rounding. The derived estimates presented in this table represent the consumption of energy originally produced offsite, acquired as a result of a purchase or transfer and consumed onsite for the production of heat and power. This definition is consistent with the definition of 'purchased' fuels and electric energy used by the Bureau of the Census in the preparation of 'Fuels and Electric Energy Consumed,' of the 'Annual Survey of Manufactures,' for 1974 through 1981.
Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2010, and the Bureau of the Census, data files for the '2010 Annual Survey of Manufacturers.'

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Next MECS will be fielded in 2015

Table 4.4 Number of Establishments by Offsite-Produced Fuel Consumption, 2006;

Level: National Data;
Row: NAICS Codes (3-Digit Only); Column: Energy Sources;
Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	Any Energy Source(b)	Electricity (c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)
		Total United States								
311	Food	14,128	14,109	326	1,462	11,395	2,920	67	13	1,149
3112	Grain and Oilseed Milling	580	580	15	174	445	269	35	0	144
311221	Wet Corn Milling	47	47	W	17	44	19	18	0	17
31131	Sugar Manufacturing	78	78	11	43	61	35	26	13	35
3114	Fruit and Vegetable Preserving and Specialty Food	1,125	1,125	13	112	961	325	W	0	127
3115	Dairy Product	1,044	1,044	25	88	941	147	W	0	95
3116	Animal Slaughtering and Processing	1,715	1,715	45	393	1,542	352	0	0	199
312	Beverage and Tobacco Products	1,830	1,830	15	348	957	790	17	0	184
3121	Beverages	1,758	1,758	8	319	900	758	10	0	175
3122	Tobacco	72	72	7	30	57	33	7	0	10
313	Textile Mills	1,966	1,966	116	179	1,532	630	51	0	193
314	Textile Product Mills	3,332	3,332	23	106	1,925	687	W	0	178
315	Apparel	5,567	5,499	W	Q	2,977	360	0	0	W
316	Leather and Allied Products	687	687	3	Q	392	57	0	0	W
321	Wood Products	10,785	10,777	103	3,302	4,304	4,448	Q	W	1,740
321113	Sawmills	2,282	2,274	9	1,241	409	534	0	0	571
3212	Veneer, Plywood, and Engineered Woods	1,462	1,462	3	385	804	683	Q	0	184
3219	Other Wood Products	6,688	6,688	86	1,474	2,908	3,138	W	W	881
322	Paper	3,957	3,928	206	411	3,215	2,032	107	0	435
322110	Pulp Mills	32	32	12	21	27	14	W	0	22
322121	Paper Mills, except Newsprint	288	288	87	113	241	176	59	0	130
322122	Newsprint Mills	20	20	3	11	14	12	3	0	8
322130	Paperboard Mills	200	200	60	110	176	123	38	0	78
323	Printing and Related Support	18,917	18,830	Q	249	12,825	2,177	0	0	378
324	Petroleum and Coal Products	1,813	1,813	98	764	996	467	7	W	474
324110	Petroleum Refineries	209	209	31	95	200	96	W	0	180
324199	Other Petroleum and Coal Products	48	48	0	21	41	13	4	W	20
325	Chemicals	8,623	8,619	89	1,603	6,398	2,256	61	W	1,006
325110	Petrochemicals	45	45	W	14	37	9	0	0	16
325120	Industrial Gases	560	560	0	9	251	36	0	0	62
325181	Alkalies and Chlorine	32	31	0	19	26	12	4	0	22
325182	Carbon Black	24	24	W	7	23	7	0	0	7
325188	Other Basic Inorganic Chemicals	473	473	10	151	326	194	6	0	113
325192	Cyclic Crudes and Intermediates	25	25	0	9	23	7	0	0	11

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Table 4.4 Number of Establishments by Offsite-Produced Fuel Consumption, 2006;

Level: National Data;
Row: NAICS Codes (3-Digit Only); Column: Energy Sources;
Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	Any Energy Source(b)	Electricity (c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)
325193	Ethyl Alcohol	65	65	0	26	64	14	7	0	13
325199	Other Basic Organic Chemicals	488	488	16	163	426	176	9	0	130
325211	Plastics Materials and Resins	558	555	4	181	510	232	5	W	132
325212	Synthetic Rubber	92	92	W	21	70	36	W	0	14
325222	Noncellulosic Organic Fibers	77	77	13	27	63	32	8	0	25
325311	Nitrogenous Fertilizers	65	65	0	21	47	23	0	0	21
325312	Phosphatic Fertilizers	32	32	W	20	25	11	W	0	23
3254	Pharmaceuticals and Medicines	1,123	1,123	24	271	878	155	10	0	78
325412	Pharmaceutical Preparation	580	580	16	156	452	90	8	0	56
325992	Photographic Film, Paper, Plate, and Chemicals	143	143	W	16	107	31	W	0	Q
326	Plastics and Rubber Products	9,823	9,823	92	647	7,669	3,474	W	0	800
327	Nonmetallic Mineral Products	11,914	11,914	104	3,606	6,449	3,229	194	18	1,845
327211	Flat Glass	42	42	W	29	41	28	0	0	23
327212	Other Pressed and Blown Glass and Glassware	157	157	0	37	113	98	0	0	36
327213	Glass Containers	55	55	0	26	55	29	0	0	22
327215	Glass Products from Purchased Glass	768	768	0	94	495	300	Q	0	100
327310	Cements	188	188	6	85	93	36	81	3	76
327410	Lime	62	62	W	51	40	27	46	5	45
327420	Gypsum	145	145	W	61	112	95	0	0	35
327993	Mineral Wool	188	188	0	35	156	93	0	10	21
331	Primary Metals	3,290	3,271	30	921	2,913	1,597	24	84	851
331111	Iron and Steel Mills	348	347	9	145	300	134	14	20	146
331112	Electrometallurgical Ferroalloy Products	18	18	0	14	18	9	W	W	14
3312	Steel Products from Purchased Steel	446	446	0	113	390	210	W	0	113
3313	Alumina and Aluminum	384	384	4	109	362	194	W	0	86
331314	Secondary Smelting and Alloying of Aluminum	97	97	W	40	90	43	W	0	19
331315	Aluminum Sheet, Plate and Foils	56	56	0	23	54	30	0	0	14
331316	Aluminum Extruded Products	150	150	W	22	142	80	0	0	38
3314	Nonferrous Metals, except Aluminum	574	574	W	168	453	263	5	W 1	89
3315	Foundries	1,520	1,503	W	372	1,390	786	0	52	305
331511	Iron Foundries	379	379	W	185	333	219	0	52	101
331521	Aluminum Die-Casting Foundries	185	185	0	5	172	62	0	0	32
331524	Aluminum Foundries, except Die-Casting	309	309	W	47	279	156	0	0	59
332	Fabricated Metal Products	35,520	35,520	Q	3,298	25,150	13,059	0	W	4,934
333	Machinery	16,296	16,296	W	1,707	12,891	4,894	W	0	1,898
334	Computer and Electronic Products	8,188	8,188	7	541	5,323	992	0	0	426

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Table 4.4 Number of Establishments by Offsite-Produced Fuel Consumption, 2006;

Level: National Data;
Row: NAICS Codes (3-Digit Only); Column: Energy Sources;
Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	Any Energy Source(b)	Electricity (c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)
334413	Semiconductors and Related Devices	522	522	W	104	462	45	0	0	24
335	Electrical Equip., Appliances, and Components	3,596	3,596	0	299	2,818	965	0	0	349
336	Transportation Equipment	7,024	7,024	111	1,096	5,434	2,753	13	W	1,338
336111	Automobiles	77	77	W	23	68	42	4	0	28
336112	Light Trucks and Utility Vehicles	47	47	W	25	42	17	W	0	28
3364	Aerospace Product and Parts	910	910	Q	70	671	425	W	0	191
336411	Aircraft	105	105	W	24	78	38	0	0	18
337	Furniture and Related Products	11,545	11,368	Q	879	6,753	3,139	29	0	998
339	Miscellaneous	15,702	15,702	Q	704	9,609	3,097	0	0	1,041
	Total	194,504	194,093	1,997	22,239	131,924	54,020	694	132	20,310

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

(b) 'Any Energy Source' represents the non-duplicative total of establishments identified with any of the listed energy sources. This count includes only those establishments that reported this activity in 2006.

(c)) 'Electricity' consists of quantities of electricity that were purchased or transferred in, and is equivalent to 'purchased electricity' as defined in the 'Annual Survey of Manufactures.'

(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) Examples of Liquefied Petroleum Gases '(LPG)' are 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 all other energy that was purchased or transferred in and not shown elsewhere.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

Notes: To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. Totals may not equal sum of components because of independent rounding. The derived estimates presented in this table represent the consumption of energy originally produced offsite, acquired as a result of a purchase or transfer and consumed onsite for the production of heat and power. This definition is consistent with the definition of 'purchased' fuels and electric energy used by the Bureau of the Census in the preparation of 'Fuels and Electric Energy Consumed,' of the 'Annual Survey of Manufactures,' for 1974 through 1981.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2006 Manufacturing Energy Consumption Survey,' and Office of Oil and Gas, Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2006.

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Next MECS will be fielded in 2015

Table 5.1 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
		Total United States							
311 - 339	ALL MANUFACTURING INDUSTRIES								
	TOTAL FUEL CONSUMPTION	14,228	714,166	13	22	5,064	18	39	5,435
	Indirect Uses-Boiler Fuel	--	7,788	7	3	2,074	3	26	--
	Conventional Boiler Use	--	7,788	3	1	712	1	3	--
	CHP and/or Cogeneration Process	--	0	4	3	1,362	2	23	--
	Direct Uses-Total Process	--	560,347	4	9	2,549	7	13	--
	Process Heating	--	87,131	4	2	2,295	6	13	--
	Process Cooling and Refrigeration	--	53,400	*	*	24	*	0	--
	Machine Drive	--	347,224	*	5	116	1	*	--
	Electro-Chemical Processes	--	55,414	--	--	--	--	--	--
	Other Process Use	--	17,179	*	2	113	*	*	--
	Direct Uses-Total Nonprocess	--	131,437	1	9	358	7	*	--
	Facility HVAC (g)	--	64,945	*	1	297	1	*	--
	Facility Lighting	--	48,453	--	--	--	--	--	--
	Other Facility Support	--	13,896	*	*	35	1	*	--
	Onsite Transportation	--	1,389	--	7	1	5	--	--
	Conventional Electricity Generation	--	--	*	1	18	*	*	--
	Other Nonprocess Use	--	2,754	*	1	7	*	*	--
	End Use Not Reported	5,585	14,594	1	1	83	1	*	5,435
311	FOOD								
	TOTAL FUEL CONSUMPTION	1,158	75,407	2	4	563	1	8	101
	Indirect Uses-Boiler Fuel	--	2,151	2	*	325	*	7	--
	Conventional Boiler Use	--	2,151	1	*	160	*	1	--
	CHP and/or Cogeneration Process	--	0	1	*	165	*	6	--
	Direct Uses-Total Process	--	57,955	*	1	183	*	1	--
	Process Heating	--	3,465	*	Q	170	*	1	--
	Process Cooling and Refrigeration	--	21,173	0	*	2	*	0	--
	Machine Drive	--	32,764	*	*	4	*	*	--
	Electro-Chemical Processes	--	158	--	--	--	--	--	--
	Other Process Use	--	395	*	*	7	*	*	--
	Direct Uses-Total Nonprocess	--	13,932	*	2	49	1	*	--
	Facility HVAC (g)	--	5,949	*	*	32	*	*	--
	Facility Lighting	--	5,809	--	--	--	--	--	--
	Other Facility Support	--	1,699	*	*	15	*	*	--
	Onsite Transportation	--	214	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	*	*	*	*	*	--
	Other Nonprocess Use	--	261	0	*	1	*	0	--
	End Use Not Reported	116	1,369	*	*	6	*	*	101
3112	Grain and Oilseed Milling								
	TOTAL FUEL CONSUMPTION	350	16,479	*	*	118	*	6	45
	Indirect Uses-Boiler Fuel	--	615	*	*	68	*	5	--
	Conventional Boiler Use	--	615	*	*	37	*	1	--
	CHP and/or Cogeneration Process	--	0	*	*	31	0	4	--
	Direct Uses-Total Process	--	13,769	*	*	45	*	*	--
	Process Heating	--	226	*	0	43	*	*	--

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Table 5.1 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	Process Cooling and Refrigeration	--	1,652	0	0	*	0	0	--
	Machine Drive	--	11,849	*	*	1	*	*	--
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--
	Other Process Use	--	34	0	*	1	0	*	--
	Direct Uses-Total Nonprocess	--	1,823	*	*	3	*	*	--
	Facility HVAC (g)	--	722	*	*	2	*	*	--
	Facility Lighting	--	872	--	--	--	--	--	--
	Other Facility Support	--	181	0	*	1	*	*	--
	Onsite Transportation	--	29	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	*	--
	Other Nonprocess Use	--	20	0	*	*	*	0	--
	End Use Not Reported	48	Q	0	*	1	*	*	45
311221	**Wet Corn Milling**								
	TOTAL FUEL CONSUMPTION	214	7,467	*	*	51	*	5	25
	Indirect Uses-Boiler Fuel	--	422	0	*	22	0	5	--
	Conventional Boiler Use	--	422	0	0	14	0	1	--
	CHP and/or Cogeneration Process	--	0	0	*	8	0	4	--
	Direct Uses-Total Process	--	6,443	*	*	29	*	*	--
	Process Heating	--	3	*	0	28	*	*	--
	Process Cooling and Refrigeration	--	1,128	0	0	0	0	0	--
	Machine Drive	--	5,308	*	*	*	*	0	--
	Electro-Chemical Processes	--	0	--	--	--	--	--	--
	Other Process Use	--	4	0	*	0	0	0	--
	Direct Uses-Total Nonprocess	--	602	*	*	1	*	0	--
	Facility HVAC (g)	--	219	*	*	*	*	0	--
	Facility Lighting	--	335	--	--	--	--	--	--
	Other Facility Support	--	41	0	*	*	*	0	--
	Onsite Transportation	--	8	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	0	0	*	0	0	0	--
	End Use Not Reported	25	0	0	0	0	*	0	25
31131	**Sugar**								
	TOTAL FUEL CONSUMPTION	107	1,218	*	*	15	*	2	37
	Indirect Uses-Boiler Fuel	--	80	*	*	12	*	2	--
	Conventional Boiler Use	--	80	*	0	3	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	9	*	2	--
	Direct Uses-Total Process	--	988	0	*	3	*	*	--
	Process Heating	--	15	0	0	3	0	*	--
	Process Cooling and Refrigeration	--	28	0	0	0	0	0	--
	Machine Drive	--	940	0	*	*	*	0	--
	Electro-Chemical Processes	--	2	--	--	--	--	--	--
	Other Process Use	--	2	0	*	0	0	0	--
	Direct Uses-Total Nonprocess	--	151	*	*	*	*	*	--
	Facility HVAC (g)	--	67	0	0	*	*	*	--
	Facility Lighting	--	88	--	--	--	--	--	--
	Other Facility Support	--	17	*	*	*	*	*	--
	Onsite Transportation	--	1	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	-23	0	*	0	*	0	--

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Table 5.1 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	End Use Not Reported	37	0	0	*	0	*	0	37
3114	Fruit and Vegetable Preserving and Specialty Foods								
	TOTAL FUEL CONSUMPTION	143	9,203	*	Q	97	*	*	4
	Indirect Uses-Boiler Fuel	--	196	*	*	65	*	*	--
	Conventional Boiler Use	--	196	*	*	33	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	31	*	*	--
	Direct Uses-Total Process	--	6,999	*	Q	22	*	0	--
	Process Heating	--	320	*	*	21	*	0	--
	Process Cooling and Refrigeration	--	3,525	0	*	*	*	0	--
	Machine Drive	--	3,109	0	*	*	*	0	--
	Electro-Chemical Processes	--	10	--	--	--	--	--	--
	Other Process Use	--	36	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	1,862	*	*	9	*	0	--
	Facility HVAC (g)	--	730	*	*	7	*	0	--
	Facility Lighting	--	858	--	--	--	--	--	--
	Other Facility Support	--	191	0	*	1	*	0	--
	Onsite Transportation	--	56	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	27	0	*	*	*	0	--
	End Use Not Reported	6	146	0	*	1	*	0	4
3115	Dairy Products								
	TOTAL FUEL CONSUMPTION	105	9,565	*	*	65	*	*	2
	Indirect Uses-Boiler Fuel	--	199	*	*	40	*	*	--
	Conventional Boiler Use	--	199	*	*	17	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	23	*	0	--
	Direct Uses-Total Process	--	7,417	*	*	19	*	0	--
	Process Heating	--	401	*	*	16	*	0	--
	Process Cooling and Refrigeration	--	3,422	0	*	*	0	0	--
	Machine Drive	--	3,494	0	*	1	*	0	--
	Electro-Chemical Processes	--	26	--	--	--	--	--	--
	Other Process Use	--	75	*	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	1,696	*	*	5	*	0	--
	Facility HVAC (g)	--	717	*	*	3	*	0	--
	Facility Lighting	--	713	--	--	--	--	--	--
	Other Facility Support	--	210	0	*	1	*	0	--
	Onsite Transportation	--	27	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	29	0	*	*	*	0	--
	End Use Not Reported	5	253	*	*	2	*	0	2
3116	Animal Slaughtering and Processing								
	TOTAL FUEL CONSUMPTION	212	20,138	1	1	122	*	*	8
	Indirect Uses-Boiler Fuel	--	633	1	*	78	*	0	--
	Conventional Boiler Use	--	633	*	*	43	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	34	*	0	--
	Direct Uses-Total Process	--	15,513	*	*	28	*	*	--
	Process Heating	--	989	*	*	24	*	*	--

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Next MECS will be fielded in 2015

Table 5.1 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	Process Cooling and Refrigeration	--	8,519	0	*	1	*	0	--
	Machine Drive	--	5,729	0	*	1	*	0	--
	Electro-Chemical Processes	--	83	--	--	--	--	--	--
	Other Process Use	--	192	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	3,679	*	*	15	*	0	--
	Facility HVAC (g)	--	1,504	*	*	9	*	0	--
	Facility Lighting	--	1,653	--	--	--	--	--	--
	Other Facility Support	--	453	*	*	6	*	0	--
	Onsite Transportation	--	36	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	*	*	*	0	0	--
	Other Nonprocess Use	--	33	0	*	*	*	0	--
	End Use Not Reported	11	313	*	*	1	*	0	8
312	BEVERAGE AND TOBACCO PRODUCTS								
	TOTAL FUEL CONSUMPTION	86	8,449	*	*	37	*	*	7
	Indirect Uses-Boiler Fuel	--	157	*	*	24	*	*	--
	Conventional Boiler Use	--	157	*	*	9	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	15	*	*	--
	Direct Uses-Total Process	--	5,740	*	*	9	*	*	--
	Process Heating	--	478	*	*	8	*	*	--
	Process Cooling and Refrigeration	--	2,222	0	0	*	*	0	--
	Machine Drive	--	2,882	0	*	*	*	*	--
	Electro-Chemical Processes	--	24	--	--	--	--	--	--
	Other Process Use	--	134	0	*	*	0	*	--
	Direct Uses-Total Nonprocess	--	1,813	*	*	4	*	*	--
	Facility HVAC (g)	--	851	*	*	3	*	*	--
	Facility Lighting	--	702	--	--	--	--	--	--
	Other Facility Support	--	185	0	*	*	*	*	--
	Onsite Transportation	--	34	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	*	--
	Other Nonprocess Use	--	41	0	*	*	*	*	--
	End Use Not Reported	10	739	0	*	*	*	0	7
3121	**Beverages**								
	TOTAL FUEL CONSUMPTION	77	7,472	*	*	33	*	*	7
	Indirect Uses-Boiler Fuel	--	143	*	*	21	*	*	--
	Conventional Boiler Use	--	143	*	*	8	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	13	*	*	--
	Direct Uses-Total Process	--	5,111	*	*	9	*	*	--
	Process Heating	--	348	*	*	8	*	*	--
	Process Cooling and Refrigeration	--	2,094	0	0	*	*	0	--
	Machine Drive	--	2,516	0	*	*	*	*	--
	Electro-Chemical Processes	--	24	--	--	--	--	--	--
	Other Process Use	--	128	0	*	*	0	*	--
	Direct Uses-Total Nonprocess	--	1,478	*	*	4	*	*	--
	Facility HVAC (g)	--	657	*	*	3	*	*	--
	Facility Lighting	--	616	--	--	--	--	--	--
	Other Facility Support	--	132	0	*	*	*	*	--
	Onsite Transportation	--	32	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	*	--
	Other Nonprocess Use	--	41	0	*	*	*	*	--

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Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	End Use Not Reported	10	739	0	*	*	*	0	7
3122	Tobacco								
	TOTAL FUEL CONSUMPTION	9	977	*	*	4	*	*	*
	Indirect Uses-Boiler Fuel	--	14	*	*	3	*	*	--
	Conventional Boiler Use	--	14	*	*	1	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	2	*	*	--
	Direct Uses-Total Process	--	629	*	*	*	*	0	--
	Process Heating	--	129	*	*	*	*	0	--
	Process Cooling and Refrigeration	--	128	0	0	*	0	0	--
	Machine Drive	--	366	0	0	*	*	0	--
	Electro-Chemical Processes	--	0	--	--	--	--	--	--
	Other Process Use	--	6	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	334	*	*	*	*	0	--
	Facility HVAC (g)	--	194	*	*	*	*	0	--
	Facility Lighting	--	86	--	--	--	--	--	--
	Other Facility Support	--	53	0	0	*	0	0	--
	Onsite Transportation	--	2	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	*	0	0	0	0	0	0	*
313	TEXTILE MILLS								
	TOTAL FUEL CONSUMPTION	95	13,240	*	*	31	*	*	6
	Indirect Uses-Boiler Fuel	--	177	*	*	17	*	*	--
	Conventional Boiler Use	--	177	*	*	8	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	9	*	*	--
	Direct Uses-Total Process	--	9,819	*	*	11	*	*	--
	Process Heating	--	991	*	*	10	*	*	--
	Process Cooling and Refrigeration	--	1,129	0	*	0	0	0	--
	Machine Drive	--	7,153	*	*	*	*	*	--
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--
	Other Process Use	--	Q	*	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	2,897	*	*	2	*	*	--
	Facility HVAC (g)	--	1,617	*	*	2	*	*	--
	Facility Lighting	--	1,039	--	--	--	--	--	--
	Other Facility Support	--	203	0	*	*	*	0	--
	Onsite Transportation	--	Q	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	*	0	--
	Other Nonprocess Use	--	0	0	*	*	*	0	--
	End Use Not Reported	8	347	0	0	1	*	0	6
314	TEXTILE PRODUCT MILLS								
	TOTAL FUEL CONSUMPTION	20	2,458	*	*	9	*	*	*
	Indirect Uses-Boiler Fuel	--	27	*	*	4	*	0	--
	Conventional Boiler Use	--	27	*	*	2	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	2	*	0	--
	Direct Uses-Total Process	--	1,567	0	*	3	*	*	--
	Process Heating	--	231	0	*	3	*	*	--

Table 5.1 End Uses of Fuel Consumption, 2010;

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NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	Process Cooling and Refrigeration	--	144	0	0	0	0	0	--
	Machine Drive	--	1,147	0	0	*	0	0	--
	Electro-Chemical Processes	--	23	--	--	--	--	--	--
	Other Process Use	--	22	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	841	0	*	1	*	*	--
	Facility HVAC (g)	--	402	0	*	1	*	*	--
	Facility Lighting	--	361	--	--	--	--	--	--
	Other Facility Support	--	72	0	0	*	0	0	--
	Onsite Transportation	--	Q	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	Q	0	0	0	*	0	--
	End Use Not Reported	*	Q	0	0	*	*	0	*
315	APPAREL								
	TOTAL FUEL CONSUMPTION	6	1,069	0	*	2	*	0	*
	Indirect Uses-Boiler Fuel	--	Q	0	*	1	*	0	--
	Conventional Boiler Use	--	Q	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	*	*	0	--
	Direct Uses-Total Process	--	473	0	0	1	*	0	--
	Process Heating	--	Q	0	0	1	*	0	--
	Process Cooling and Refrigeration	--	Q	0	0	0	0	0	--
	Machine Drive	--	352	0	0	*	*	0	--
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--
	Other Process Use	--	15	0	0	0	0	0	--
	Direct Uses-Total Nonprocess	--	513	0	*	1	*	0	--
	Facility HVAC (g)	--	282	0	*	1	*	0	--
	Facility Lighting	--	179	--	--	--	--	--	--
	Other Facility Support	--	52	0	*	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	*	0	0	--
	Other Nonprocess Use	--	*	0	0	0	0	0	--
	End Use Not Reported	*	Q	0	0	*	*	0	*
316	LEATHER AND ALLIED PRODUCTS								
	TOTAL FUEL CONSUMPTION	2	243	*	*	1	*	0	*
	Indirect Uses-Boiler Fuel	--	1	0	*	*	*	0	--
	Conventional Boiler Use	--	1	0	*	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	*	*	0	--
	Direct Uses-Total Process	--	148	0	0	*	*	0	--
	Process Heating	--	13	0	0	*	*	0	--
	Process Cooling and Refrigeration	--	5	0	0	*	0	0	--
	Machine Drive	--	125	0	0	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	5	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	91	0	*	*	*	0	--
	Facility HVAC (g)	--	53	0	*	*	*	0	--
	Facility Lighting	--	32	--	--	--	--	--	--
	Other Facility Support	--	5	0	*	*	0	0	--
	Onsite Transportation	--	1	--	0	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	0	0	0	0	0	0	--

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NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	End Use Not Reported	*	3	*	0	*	*	0	*
321	WOOD PRODUCTS								
	TOTAL FUEL CONSUMPTION	470	15,323	*	4	33	1	*	357
	Indirect Uses-Boiler Fuel	--	167	*	*	8	*	*	--
	Conventional Boiler Use	--	167	*	*	2	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	6	*	*	--
	Direct Uses-Total Process	--	12,304	*	Q	22	*	*	--
	Process Heating	--	903	*	*	21	*	*	--
	Process Cooling and Refrigeration	--	205	0	0	*	*	0	--
	Machine Drive	--	11,024	0	Q	1	*	0	--
	Electro-Chemical Processes	--	77	--	--	--	--	--	--
	Other Process Use	--	94	*	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	2,558	*	1	4	*	*	--
	Facility HVAC (g)	--	956	*	*	4	*	*	--
	Facility Lighting	--	1,183	--	--	--	--	--	--
	Other Facility Support	--	266	*	*	*	*	0	--
	Onsite Transportation	--	16	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	*	0	--
	Other Nonprocess Use	--	136	0	*	*	*	0	--
	End Use Not Reported	360	295	*	*	*	*	0	357
321113	Sawmills								
	TOTAL FUEL CONSUMPTION	232	4,463	*	Q	5	*	0	195
	Indirect Uses-Boiler Fuel	--	-57	*	*	1	*	0	--
	Conventional Boiler Use	--	-57	0	*	*	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	1	*	0	--
	Direct Uses-Total Process	--	3,835	*	Q	4	*	0	--
	Process Heating	--	316	*	*	4	*	0	--
	Process Cooling and Refrigeration	--	66	0	0	*	*	0	--
	Machine Drive	--	3,449	0	Q	*	*	0	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	2	*	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	636	*	*	*	*	0	--
	Facility HVAC (g)	--	218	*	*	*	*	0	--
	Facility Lighting	--	326	--	--	--	--	--	--
	Other Facility Support	--	62	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	29	0	*	0	*	0	--
	End Use Not Reported	196	49	*	*	*	*	0	195
3212	Veneer, Plywood, and Engineered Woods								
	TOTAL FUEL CONSUMPTION	183	6,374	*	*	18	*	*	138
	Indirect Uses-Boiler Fuel	--	142	*	*	3	*	*	--
	Conventional Boiler Use	--	142	*	*	1	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	3	*	*	--
	Direct Uses-Total Process	--	5,185	*	*	14	*	*	--
	Process Heating	--	334	*	*	13	*	*	--

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	Process Cooling and Refrigeration	--	102	0	0	*	0	0	--
	Machine Drive	--	4,655	0	*	1	*	0	--
	Electro-Chemical Processes	--	64	--	--	--	--	--	--
	Other Process Use	--	29	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	874	0	*	1	*	*	--
	Facility HVAC (g)	--	356	0	*	1	*	*	--
	Facility Lighting	--	390	--	--	--	--	--	--
	Other Facility Support	--	95	0	*	*	*	0	--
	Onsite Transportation	--	7	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	26	0	*	*	*	0	--
	End Use Not Reported	139	174	0	*	*	*	0	138
321219	**Reconstituted Wood Products**								
	TOTAL FUEL CONSUMPTION	82	4,052	*	*	14	*	*	52
	Indirect Uses-Boiler Fuel	--	82	*	*	3	*	*	--
	Conventional Boiler Use	--	82	*	*	*	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	2	0	*	--
	Direct Uses-Total Process	--	3,329	*	*	11	*	*	--
	Process Heating	--	228	*	*	10	*	*	--
	Process Cooling and Refrigeration	--	78	0	0	*	0	0	--
	Machine Drive	--	2,951	0	*	*	*	0	--
	Electro-Chemical Processes	--	61	--	--	--	--	--	--
	Other Process Use	--	10	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	514	0	*	1	*	0	--
	Facility HVAC (g)	--	215	0	*	1	*	0	--
	Facility Lighting	--	219	--	--	--	--	--	--
	Other Facility Support	--	52	0	0	*	*	0	--
	Onsite Transportation	--	5	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	22	0	*	0	*	0	--
	End Use Not Reported	52	127	0	0	*	*	0	52
3219	**Other Wood Products**								
	TOTAL FUEL CONSUMPTION	48	4,162	*	1	7	*	*	20
	Indirect Uses-Boiler Fuel	--	92	0	*	2	*	0	--
	Conventional Boiler Use	--	92	0	*	1	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	*	0	--
	Direct Uses-Total Process	--	3,000	0	*	3	*	*	--
	Process Heating	--	206	0	*	3	*	*	--
	Process Cooling and Refrigeration	--	34	0	0	0	0	0	--
	Machine Drive	--	2,686	0	*	*	*	0	--
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--
	Other Process Use	--	62	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	999	*	1	2	*	0	--
	Facility HVAC (g)	--	356	*	*	2	*	0	--
	Facility Lighting	--	447	--	--	--	--	--	--
	Other Facility Support	--	106	0	*	*	*	0	--
	Onsite Transportation	--	9	--	1	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	*	0	--
	Other Nonprocess Use	--	81	0	*	*	*	0	--

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	End Use Not Reported	20	71	*	*	*	*	0	20
322	PAPER								
	TOTAL FUEL CONSUMPTION	2,110	60,497	6	1	387	1	9	1,253
	Indirect Uses-Boiler Fuel	--	1,091	4	*	234	*	9	--
	Conventional Boiler Use	--	1,091	1	*	49	*	*	--
	CHP and/or Cogeneration Process	--	0	3	*	184	*	9	--
	Direct Uses-Total Process	--	50,943	2	*	129	*	*	--
	Process Heating	--	1,638	2	*	117	*	*	--
	Process Cooling and Refrigeration	--	905	0	0	*	0	0	--
	Machine Drive	--	45,374	*	*	10	*	*	--
	Electro-Chemical Processes	--	414	--	--	--	--	--	--
	Other Process Use	--	2,612	0	*	2	*	*	--
	Direct Uses-Total Nonprocess	--	5,884	*	*	17	1	*	--
	Facility HVAC (g)	--	2,657	*	*	14	*	*	--
	Facility Lighting	--	2,566	--	--	--	--	--	--
	Other Facility Support	--	489	0	*	1	*	0	--
	Onsite Transportation	--	114	--	*	*	1	--	--
	Conventional Electricity Generation	--	--	*	*	2	0	*	--
	Other Nonprocess Use	--	58	*	*	*	*	0	--
	End Use Not Reported	1,271	2,578	*	*	8	*	0	1,253
322110	Pulp Mills								
	TOTAL FUEL CONSUMPTION	249	2,032	1	*	19	*	*	214
	Indirect Uses-Boiler Fuel	--	122	1	*	10	*	*	--
	Conventional Boiler Use	--	122	0	0	1	0	0	--
	CHP and/or Cogeneration Process	--	0	1	*	9	*	*	--
	Direct Uses-Total Process	--	1,782	*	*	8	*	0	--
	Process Heating	--	233	*	*	8	*	0	--
	Process Cooling and Refrigeration	--	27	0	0	0	0	0	--
	Machine Drive	--	1,528	0	*	*	0	0	--
	Electro-Chemical Processes	--	-7	--	--	--	--	--	--
	Other Process Use	--	0	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	129	0	*	*	*	0	--
	Facility HVAC (g)	--	62	0	0	*	*	0	--
	Facility Lighting	--	57	--	--	--	--	--	--
	Other Facility Support	--	10	0	*	*	*	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	0	0	*	0	*	0	--
	End Use Not Reported	214	0	0	0	0	*	0	214
322121	Paper Mills, except Newsprint								
	TOTAL FUEL CONSUMPTION	822	18,146	2	*	167	*	5	458
	Indirect Uses-Boiler Fuel	--	231	1	*	101	*	5	--
	Conventional Boiler Use	--	231	1	*	24	*	*	--
	CHP and/or Cogeneration Process	--	0	1	*	77	*	5	--
	Direct Uses-Total Process	--	15,058	1	*	58	*	*	--
	Process Heating	--	562	1	*	53	*	*	--

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NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	Process Cooling and Refrigeration	--	258	0	0	0	0	0	--
	Machine Drive	--	14,119	*	*	5	*	*	--
	Electro-Chemical Processes	--	45	--	--	--	--	--	--
	Other Process Use	--	73	0	*	1	0	*	--
	Direct Uses-Total Nonprocess	--	1,373	*	*	3	*	*	--
	Facility HVAC (g)	--	660	*	*	3	*	*	--
	Facility Lighting	--	526	--	--	--	--	--	--
	Other Facility Support	--	143	0	*	*	*	0	--
	Onsite Transportation	--	38	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	*	*	*	0	0	--
	Other Nonprocess Use	--	7	0	*	*	*	0	--
	End Use Not Reported	469	1,484	*	*	5	*	0	458
322122	**Newsprint Mills**								
	TOTAL FUEL CONSUMPTION	101	11,180	*	*	3	*	1	35
	Indirect Uses-Boiler Fuel	--	44	*	*	1	0	1	--
	Conventional Boiler Use	--	44	*	*	1	0	*	--
	CHP and/or Cogeneration Process	--	0	*	*	*	0	1	--
	Direct Uses-Total Process	--	10,622	0	*	2	*	0	--
	Process Heating	--	20	0	0	2	*	0	--
	Process Cooling and Refrigeration	--	31	0	0	0	0	0	--
	Machine Drive	--	8,212	0	*	0	0	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	2,358	0	0	0	0	0	--
	Direct Uses-Total Nonprocess	--	514	0	*	*	*	0	--
	Facility HVAC (g)	--	294	0	0	*	*	0	--
	Facility Lighting	--	161	--	--	--	--	--	--
	Other Facility Support	--	30	0	0	0	0	0	--
	Onsite Transportation	--	8	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	20	0	*	0	*	0	--
	End Use Not Reported	35	*	0	0	0	*	0	35
322130	**Paperboard Mills**								
	TOTAL FUEL CONSUMPTION	824	17,219	2	*	138	*	3	542
	Indirect Uses-Boiler Fuel	--	482	1	*	94	*	3	--
	Conventional Boiler Use	--	482	*	*	15	*	*	--
	CHP and/or Cogeneration Process	--	0	1	*	79	*	3	--
	Direct Uses-Total Process	--	15,291	1	*	38	*	0	--
	Process Heating	--	159	1	*	33	*	0	--
	Process Cooling and Refrigeration	--	153	0	0	0	0	0	--
	Machine Drive	--	14,474	0	*	4	*	0	--
	Electro-Chemical Processes	--	343	--	--	--	--	--	--
	Other Process Use	--	163	0	0	1	0	0	--
	Direct Uses-Total Nonprocess	--	1,060	*	*	4	*	*	--
	Facility HVAC (g)	--	393	*	*	2	*	*	--
	Facility Lighting	--	572	--	--	--	--	--	--
	Other Facility Support	--	61	0	*	*	*	0	--
	Onsite Transportation	--	4	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	2	0	*	--
	Other Nonprocess Use	--	30	*	*	0	*	0	--

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NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	End Use Not Reported	546	384	*	*	2	*	0	542
323	**PRINTING AND RELATED SUPPORT**								
	TOTAL FUEL CONSUMPTION	83	13,704	*	*	33	*	0	*
	Indirect Uses-Boiler Fuel	--	191	0	*	7	*	0	--
	Conventional Boiler Use	--	191	0	0	3	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	4	*	0	--
	Direct Uses-Total Process	--	7,837	0	*	15	*	0	--
	Process Heating	--	557	0	*	12	*	0	--
	Process Cooling and Refrigeration	--	682	0	0	Q	0	0	--
	Machine Drive	--	6,344	0	0	1	*	0	--
	Electro-Chemical Processes	--	75	--	--	--	--	--	--
	Other Process Use	--	179	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	5,170	*	*	9	*	0	--
	Facility HVAC (g)	--	3,312	*	*	9	*	0	--
	Facility Lighting	--	1,271	--	--	--	--	--	--
	Other Facility Support	--	473	0	*	*	*	0	--
	Onsite Transportation	--	34	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	Q	0	*	0	*	0	--
	End Use Not Reported	3	506	0	*	Q	*	0	*
324	**PETROLEUM AND COAL PRODUCTS**								
	TOTAL FUEL CONSUMPTION	3,319	47,014	3	4	892	7	1	2,162
	Indirect Uses-Boiler Fuel	--	422	1	1	289	2	*	--
	Conventional Boiler Use	--	422	1	*	99	*	*	--
	CHP and/or Cogeneration Process	--	0	*	1	190	1	*	--
	Direct Uses-Total Process	--	42,058	2	2	551	5	*	--
	Process Heating	--	-1,098	2	1	501	4	*	--
	Process Cooling and Refrigeration	--	2,237	0	*	6	*	0	--
	Machine Drive	--	39,755	0	*	16	*	0	--
	Electro-Chemical Processes	--	77	--	--	--	--	--	--
	Other Process Use	--	1,086	0	*	28	*	*	--
	Direct Uses-Total Nonprocess	--	3,725	*	1	19	*	*	--
	Facility HVAC (g)	--	1,763	*	*	3	*	*	--
	Facility Lighting	--	1,300	--	--	--	--	--	--
	Other Facility Support	--	475	0	*	1	*	0	--
	Onsite Transportation	--	8	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	14	*	0	--
	Other Nonprocess Use	--	179	*	*	*	*	0	--
	End Use Not Reported	2,202	810	*	*	33	*	0	2,162
324110	**Petroleum Refineries**								
	TOTAL FUEL CONSUMPTION	3,176	44,882	2	2	835	7	*	2,113
	Indirect Uses-Boiler Fuel	--	363	1	1	278	2	*	--
	Conventional Boiler Use	--	363	1	*	95	*	*	--
	CHP and/or Cogeneration Process	--	0	*	1	182	1	0	--
	Direct Uses-Total Process	--	40,450	1	*	509	4	0	--
	Process Heating	--	-1,381	1	*	462	4	0	--

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	Process Cooling and Refrigeration	--	2,145	0	*	6	*	0	--
	Machine Drive	--	38,613	0	*	14	*	0	--
	Electro-Chemical Processes	--	77	--	--	--	--	--	--
	Other Process Use	--	997	0	*	27	*	0	--
	Direct Uses-Total Nonprocess	--	3,389	0	*	17	*	0	--
	Facility HVAC (g)	--	1,596	0	*	2	*	0	--
	Facility Lighting	--	1,180	--	--	--	--	--	--
	Other Facility Support	--	432	0	*	*	*	0	--
	Onsite Transportation	--	5	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	14	*	0	--
	Other Nonprocess Use	--	177	0	*	*	0	0	--
	End Use Not Reported	2,152	681	*	*	32	*	0	2,113
324121	**Asphalt Paving Mixture and Block**								
	TOTAL FUEL CONSUMPTION	65	1,068	*	2	38	*	*	6
	Indirect Uses-Boiler Fuel	--	19	*	*	5	*	0	--
	Conventional Boiler Use	--	19	*	*	2	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	3	*	0	--
	Direct Uses-Total Process	--	772	*	1	32	*	*	--
	Process Heating	--	141	*	1	29	*	*	--
	Process Cooling and Refrigeration	--	4	0	*	*	0	0	--
	Machine Drive	--	598	0	*	2	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	29	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	148	*	1	1	*	0	--
	Facility HVAC (g)	--	68	*	*	1	*	0	--
	Facility Lighting	--	59	--	--	--	--	--	--
	Other Facility Support	--	16	0	*	*	*	0	--
	Onsite Transportation	--	2	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	2	*	*	*	*	0	--
	End Use Not Reported	8	130	*	*	Q	*	0	6
324199	**Other Petroleum and Coal Products**								
	TOTAL FUEL CONSUMPTION	55	-82	*	*	5	*	*	41
	Indirect Uses-Boiler Fuel	--	8	*	0	1	0	*	--
	Conventional Boiler Use	--	8	*	0	*	0	*	--
	CHP and/or Cogeneration Process	--	0	*	0	1	0	*	--
	Direct Uses-Total Process	--	-60	0	*	4	*	*	--
	Process Heating	--	94	0	*	4	*	*	--
	Process Cooling and Refrigeration	--	28	0	0	0	0	0	--
	Machine Drive	--	-182	0	*	*	0	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	0	*	*	--
	Direct Uses-Total Nonprocess	--	-31	0	*	*	*	*	--
	Facility HVAC (g)	--	9	0	*	*	*	*	--
	Facility Lighting	--	-40	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	*	*	*	0	--

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	End Use Not Reported	41	0	0	0	0	*	0	41
325	CHEMICALS								
	TOTAL FUEL CONSUMPTION	3,222	131,932	1	1	1,734	2	9	765
	Indirect Uses-Boiler Fuel	--	1,491	1	*	971	*	8	--
	Conventional Boiler Use	--	1,491	*	*	294	*	1	--
	CHP and/or Cogeneration Process	--	0	*	*	678	*	7	--
	Direct Uses-Total Process	--	114,185	*	*	729	*	1	--
	Process Heating	--	5,414	*	*	607	*	1	--
	Process Cooling and Refrigeration	--	10,059	0	*	8	*	0	--
	Machine Drive	--	77,843	*	*	66	*	0	--
	Electro-Chemical Processes	--	19,654	--	--	--	--	--	--
	Other Process Use	--	1,216	0	*	48	*	0	--
	Direct Uses-Total Nonprocess	--	15,394	*	1	31	1	*	--
	Facility HVAC (g)	--	8,114	0	*	23	*	*	--
	Facility Lighting	--	5,147	--	--	--	--	--	--
	Other Facility Support	--	1,778	0	*	4	Q	0	--
	Onsite Transportation	--	83	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	1	*	0	--
	Other Nonprocess Use	--	272	*	*	2	*	0	--
	End Use Not Reported	773	862	*	*	3	*	0	765
325110	Petrochemicals								
	TOTAL FUEL CONSUMPTION	568	6,543	*	*	241	*	0	295
	Indirect Uses-Boiler Fuel	--	20	*	*	65	0	0	--
	Conventional Boiler Use	--	20	*	*	21	0	0	--
	CHP and/or Cogeneration Process	--	0	*	*	44	0	0	--
	Direct Uses-Total Process	--	6,201	0	*	175	*	0	--
	Process Heating	--	36	0	*	W	0	0	--
	Process Cooling and Refrigeration	--	1,248	0	0	3	*	0	--
	Machine Drive	--	4,370	0	*	W	0	0	--
	Electro-Chemical Processes	--	536	--	--	--	--	--	--
	Other Process Use	--	12	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	314	0	*	1	*	0	--
	Facility HVAC (g)	--	149	0	0	*	0	0	--
	Facility Lighting	--	130	--	--	--	--	--	--
	Other Facility Support	--	34	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	0	0	*	1	0	0	--
	End Use Not Reported	296	9	0	*	*	*	0	295
325120	Industrial Gases								
	TOTAL FUEL CONSUMPTION	96	19,401	0	*	26	*	0	3
	Indirect Uses-Boiler Fuel	--	11	0	*	Q	0	0	--
	Conventional Boiler Use	--	11	0	*	2	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	Q	0	0	--
	Direct Uses-Total Process	--	18,711	0	*	11	*	0	--
	Process Heating	--	306	0	*	3	0	0	--

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	Process Cooling and Refrigeration	--	307	0	*	*	0	0	--
	Machine Drive	--	12,166	0	*	0	*	0	--
	Electro-Chemical Processes	--	5,813	--	--	--	--	--	--
	Other Process Use	--	119	0	0	8	*	0	--
	Direct Uses-Total Nonprocess	--	513	0	*	*	*	0	--
	Facility HVAC (g)	--	352	0	*	*	0	0	--
	Facility Lighting	--	112	--	--	--	--	--	--
	Other Facility Support	--	49	0	*	0	0	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	0	0	0	0	--
	End Use Not Reported	3	166	0	*	0	*	0	3
325181	**Alkalies and Chlorine**								
	TOTAL FUEL CONSUMPTION	W	9,405	0	*	W	*	2	17
	Indirect Uses-Boiler Fuel	--	28	0	*	73	*	2	--
	Conventional Boiler Use	--	28	0	*	6	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	67	*	2	--
	Direct Uses-Total Process	--	9,154	0	*	W	*	*	--
	Process Heating	--	77	0	0	W	*	*	--
	Process Cooling and Refrigeration	--	103	0	0	0	0	0	--
	Machine Drive	--	2,099	0	*	W	0	0	--
	Electro-Chemical Processes	--	6,875	--	--	--	--	--	--
	Other Process Use	--	0	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	223	0	*	*	*	0	--
	Facility HVAC (g)	--	68	0	*	*	*	0	--
	Facility Lighting	--	161	--	--	--	--	--	--
	Other Facility Support	--	-6	0	0	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	*	0	0	0	--
	End Use Not Reported	17	*	0	0	0	*	0	17
325182	**Carbon Black**								
	TOTAL FUEL CONSUMPTION	W	234	*	*	11	*	0	W
	Indirect Uses-Boiler Fuel	--	-1	0	0	*	0	0	--
	Conventional Boiler Use	--	-1	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	177	*	*	10	0	0	--
	Process Heating	--	19	0	0	8	0	0	--
	Process Cooling and Refrigeration	--	3	0	0	0	0	0	--
	Machine Drive	--	150	*	*	2	0	0	--
	Electro-Chemical Processes	--	0	--	--	--	--	--	--
	Other Process Use	--	5	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	58	0	*	*	*	0	--
	Facility HVAC (g)	--	29	0	0	*	0	0	--
	Facility Lighting	--	22	--	--	--	--	--	--
	Other Facility Support	--	7	0	0	*	0	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	0	*	0	0	--

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	End Use Not Reported	W	0	0	0	0	0	0	W
325188	**Other Basic Inorganic Chemicals**								
	TOTAL FUEL CONSUMPTION	214	24,730	*	*	48	*	1	62
	Indirect Uses-Boiler Fuel	--	30	*	*	17	*	1	--
	Conventional Boiler Use	--	30	*	*	8	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	9	0	1	--
	Direct Uses-Total Process	--	23,896	*	*	29	*	*	--
	Process Heating	--	1,484	*	*	28	*	*	--
	Process Cooling and Refrigeration	--	390	0	*	*	0	0	--
	Machine Drive	--	17,074	0	*	*	0	0	--
	Electro-Chemical Processes	--	4,890	--	--	--	--	--	--
	Other Process Use	--	58	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	768	0	*	2	*	0	--
	Facility HVAC (g)	--	393	0	*	1	*	0	--
	Facility Lighting	--	275	--	--	--	--	--	--
	Other Facility Support	--	80	0	*	*	*	0	--
	Onsite Transportation	--	4	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	16	0	*	*	*	0	--
	End Use Not Reported	63	Q	0	*	*	*	0	62
325192	**Cyclic Crudes and Intermediates**								
	TOTAL FUEL CONSUMPTION	52	2,673	*	*	22	*	0	18
	Indirect Uses-Boiler Fuel	--	31	*	*	13	*	0	--
	Conventional Boiler Use	--	31	*	*	9	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	4	0	0	--
	Direct Uses-Total Process	--	2,222	0	*	9	*	0	--
	Process Heating	--	154	0	*	9	*	0	--
	Process Cooling and Refrigeration	--	475	0	*	0	0	0	--
	Machine Drive	--	1,526	0	*	0	0	0	--
	Electro-Chemical Processes	--	67	--	--	--	--	--	--
	Other Process Use	--	0	0	0	0	0	0	--
	Direct Uses-Total Nonprocess	--	419	0	*	*	*	0	--
	Facility HVAC (g)	--	185	0	*	*	*	0	--
	Facility Lighting	--	132	--	--	--	--	--	--
	Other Facility Support	--	99	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	3	0	0	0	0	0	--
	End Use Not Reported	19	0	*	0	0	0	0	18
325193	**Ethyl Alcohol**								
	TOTAL FUEL CONSUMPTION	307	7,392	0	*	245	*	1	4
	Indirect Uses-Boiler Fuel	--	423	0	*	142	*	1	--
	Conventional Boiler Use	--	423	0	*	72	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	70	*	1	--
	Direct Uses-Total Process	--	6,325	0	*	98	*	*	--
	Process Heating	--	394	0	*	88	*	*	--

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NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	Process Cooling and Refrigeration	--	616	0	0	*	0	0	--
	Machine Drive	--	5,239	0	*	*	*	0	--
	Electro-Chemical Processes	--	63	--	--	--	--	--	--
	Other Process Use	--	12	0	*	9	*	0	--
	Direct Uses-Total Nonprocess	--	532	0	*	3	*	0	--
	Facility HVAC (g)	--	195	0	*	2	*	0	--
	Facility Lighting	--	245	--	--	--	--	--	--
	Other Facility Support	--	90	0	0	1	*	0	--
	Onsite Transportation	--	3	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	*	*	*	0	--
	End Use Not Reported	7	113	0	*	3	*	0	4
325199	**Other Basic Organic Chemicals**								
	TOTAL FUEL CONSUMPTION	634	9,608	*	*	367	*	3	164
	Indirect Uses-Boiler Fuel	--	280	*	*	250	*	3	--
	Conventional Boiler Use	--	280	*	*	61	0	*	--
	CHP and/or Cogeneration Process	--	0	0	*	189	*	3	--
	Direct Uses-Total Process	--	7,726	0	*	112	*	0	--
	Process Heating	--	405	0	*	85	*	0	--
	Process Cooling and Refrigeration	--	1,002	0	*	4	*	0	--
	Machine Drive	--	7,290	0	*	5	*	0	--
	Electro-Chemical Processes	--	-1,397	--	--	--	--	--	--
	Other Process Use	--	426	0	*	19	*	0	--
	Direct Uses-Total Nonprocess	--	1,584	0	*	5	*	0	--
	Facility HVAC (g)	--	670	0	*	3	*	0	--
	Facility Lighting	--	617	--	--	--	--	--	--
	Other Facility Support	--	210	0	*	1	*	0	--
	Onsite Transportation	--	14	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	1	0	0	--
	Other Nonprocess Use	--	74	0	*	*	*	0	--
	End Use Not Reported	163	Q	0	*	*	*	0	164
325211	**Plastics Materials and Resins**								
	TOTAL FUEL CONSUMPTION	462	19,606	*	*	298	*	1	73
	Indirect Uses-Boiler Fuel	--	299	*	*	226	*	1	--
	Conventional Boiler Use	--	299	*	*	39	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	187	*	*	--
	Direct Uses-Total Process	--	17,367	*	*	68	*	0	--
	Process Heating	--	704	*	*	59	*	0	--
	Process Cooling and Refrigeration	--	1,565	0	*	1	*	0	--
	Machine Drive	--	12,387	0	*	3	*	0	--
	Electro-Chemical Processes	--	2,669	--	--	--	--	--	--
	Other Process Use	--	40	0	*	5	*	0	--
	Direct Uses-Total Nonprocess	--	1,911	0	*	3	*	0	--
	Facility HVAC (g)	--	875	0	*	2	*	0	--
	Facility Lighting	--	706	--	--	--	--	--	--
	Other Facility Support	--	283	0	*	1	*	0	--
	Onsite Transportation	--	6	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	42	0	*	*	*	0	--

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NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	End Use Not Reported	73	30	0	*	*	*	0	73
325212	**Synthetic Rubber**								
	TOTAL FUEL CONSUMPTION	39	1,645	0	*	21	*	*	8
	Indirect Uses-Boiler Fuel	--	16	0	*	19	0	*	--
	Conventional Boiler Use	--	16	0	*	5	0	*	--
	CHP and/or Cogeneration Process	--	0	0	*	13	0	*	--
	Direct Uses-Total Process	--	1,117	0	*	2	*	0	--
	Process Heating	--	98	0	0	W	0	0	--
	Process Cooling and Refrigeration	--	166	0	0	*	0	0	--
	Machine Drive	--	847	0	*	W	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	5	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	224	0	*	*	*	0	--
	Facility HVAC (g)	--	120	0	0	*	*	0	--
	Facility Lighting	--	75	--	--	--	--	--	--
	Other Facility Support	--	23	0	0	*	*	0	--
	Onsite Transportation	--	2	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	4	0	*	*	*	0	--
	End Use Not Reported	9	287	0	*	0	*	0	8
325222	**Noncellulosic Organic Fibers**								
	TOTAL FUEL CONSUMPTION	36	2,791	*	*	9	*	*	13
	Indirect Uses-Boiler Fuel	--	74	*	*	6	*	*	--
	Conventional Boiler Use	--	74	*	*	4	0	*	--
	CHP and/or Cogeneration Process	--	0	*	*	2	*	*	--
	Direct Uses-Total Process	--	2,241	*	*	3	*	0	--
	Process Heating	--	395	*	0	W	*	0	--
	Process Cooling and Refrigeration	--	348	0	0	*	0	0	--
	Machine Drive	--	1,345	0	*	W	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	154	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	476	0	*	*	*	0	--
	Facility HVAC (g)	--	248	0	0	*	*	0	--
	Facility Lighting	--	149	--	--	--	--	--	--
	Other Facility Support	--	71	0	0	*	*	0	--
	Onsite Transportation	--	3	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	3	0	*	*	*	0	--
	End Use Not Reported	13	0	0	0	0	*	0	13
325311	**Nitrogenous Fertilizers**								
	TOTAL FUEL CONSUMPTION	166	3,388	*	*	147	*	0	2
	Indirect Uses-Boiler Fuel	--	16	*	*	48	*	0	--
	Conventional Boiler Use	--	16	0	*	29	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	19	*	0	--
	Direct Uses-Total Process	--	3,152	0	*	99	*	0	--
	Process Heating	--	41	0	*	94	*	0	--

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NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	Process Cooling and Refrigeration	--	583	0	0	0	0	0	--
	Machine Drive	--	2,521	0	*	3	*	0	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	6	0	0	3	*	0	--
	Direct Uses-Total Nonprocess	--	220	0	*	1	*	0	--
	Facility HVAC (g)	--	98	0	*	1	*	0	--
	Facility Lighting	--	94	--	--	--	--	--	--
	Other Facility Support	--	25	0	*	*	*	0	--
	Onsite Transportation	--	1	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	2	0	*	*	*	0	--
	End Use Not Reported	2	0	0	*	*	*	0	2
325312	**Phosphatic Fertilizers**								
	TOTAL FUEL CONSUMPTION	35	1,251	*	*	26	*	*	*
	Indirect Uses-Boiler Fuel	--	1	*	*	3	0	0	--
	Conventional Boiler Use	--	1	0	0	2	0	0	--
	CHP and/or Cogeneration Process	--	0	*	*	1	0	0	--
	Direct Uses-Total Process	--	1,175	*	*	23	*	*	--
	Process Heating	--	3	*	*	23	0	*	--
	Process Cooling and Refrigeration	--	14	0	0	0	0	0	--
	Machine Drive	--	1,154	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	3	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	72	0	*	*	*	0	--
	Facility HVAC (g)	--	19	0	*	*	*	0	--
	Facility Lighting	--	53	--	--	--	--	--	--
	Other Facility Support	--	-2	0	0	*	0	0	--
	Onsite Transportation	--	2	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	0	0	--
	End Use Not Reported	*	4	0	0	*	0	0	*
3254	**Pharmaceuticals and Medicines**								
	TOTAL FUEL CONSUMPTION	91	9,170	*	*	48	*	*	7
	Indirect Uses-Boiler Fuel	--	100	*	*	37	*	*	--
	Conventional Boiler Use	--	100	*	*	17	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	21	*	0	--
	Direct Uses-Total Process	--	4,603	*	*	5	*	0	--
	Process Heating	--	460	*	0	4	*	0	--
	Process Cooling and Refrigeration	--	1,441	0	*	*	0	0	--
	Machine Drive	--	2,430	0	*	*	*	0	--
	Electro-Chemical Processes	--	41	--	--	--	--	--	--
	Other Process Use	--	231	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	4,430	*	*	5	*	*	--
	Facility HVAC (g)	--	2,814	0	*	5	*	*	--
	Facility Lighting	--	1,019	--	--	--	--	--	--
	Other Facility Support	--	498	0	*	1	*	0	--
	Onsite Transportation	--	14	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	85	*	*	*	*	0	--

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	End Use Not Reported	7	37	0	*	*	*	0	7
325412	Pharmaceutical Preparation								
	TOTAL FUEL CONSUMPTION	51	5,619	*	*	23	*	*	4
	Indirect Uses-Boiler Fuel	--	76	*	*	16	*	*	--
	Conventional Boiler Use	--	76	*	*	8	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	8	*	0	--
	Direct Uses-Total Process	--	2,950	*	*	3	*	0	--
	Process Heating	--	339	*	0	2	*	0	--
	Process Cooling and Refrigeration	--	835	0	0	*	0	0	--
	Machine Drive	--	1,597	0	*	*	*	0	--
	Electro-Chemical Processes	--	13	--	--	--	--	--	--
	Other Process Use	--	166	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	2,557	0	*	4	*	*	--
	Facility HVAC (g)	--	1,590	0	*	3	*	*	--
	Facility Lighting	--	618	--	--	--	--	--	--
	Other Facility Support	--	260	0	*	*	*	0	--
	Onsite Transportation	--	11	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	79	0	*	*	*	0	--
	End Use Not Reported	4	35	0	*	*	*	0	4
325992	Photographic Film, Paper, Plate, and Chemicals								
	TOTAL FUEL CONSUMPTION	20	1,377	*	*	6	*	*	*
	Indirect Uses-Boiler Fuel	--	19	*	*	5	0	*	--
	Conventional Boiler Use	--	19	0	*	3	0	0	--
	CHP and/or Cogeneration Process	--	0	*	*	2	0	*	--
	Direct Uses-Total Process	--	784	0	*	1	*	0	--
	Process Heating	--	42	0	0	1	0	0	--
	Process Cooling and Refrigeration	--	225	0	0	0	0	0	--
	Machine Drive	--	413	0	*	*	*	0	--
	Electro-Chemical Processes	--	79	--	--	--	--	--	--
	Other Process Use	--	24	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	517	0	*	*	*	0	--
	Facility HVAC (g)	--	324	0	*	*	*	0	--
	Facility Lighting	--	141	--	--	--	--	--	--
	Other Facility Support	--	31	0	*	*	0	0	--
	Onsite Transportation	--	1	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	21	0	*	*	*	0	--
	End Use Not Reported	1	56	0	0	*	0	0	*
326	PLASTICS AND RUBBER PRODUCTS								
	TOTAL FUEL CONSUMPTION	272	45,797	*	*	101	1	*	Q
	Indirect Uses-Boiler Fuel	--	431	*	*	43	*	*	--
	Conventional Boiler Use	--	431	*	*	19	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	23	*	*	--
	Direct Uses-Total Process	--	34,983	0	*	36	*	0	--
	Process Heating	--	8,430	0	0	33	*	0	--

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	Process Cooling and Refrigeration	--	5,139	0	0	*	*	0	--
	Machine Drive	--	19,822	0	*	Q	*	0	--
	Electro-Chemical Processes	--	178	--	--	--	--	--	--
	Other Process Use	--	1,415	0	0	Q	*	0	--
	Direct Uses-Total Nonprocess	--	9,535	0	*	23	*	0	--
	Facility HVAC (g)	--	4,543	0	*	21	*	0	--
	Facility Lighting	--	3,853	--	--	--	--	--	--
	Other Facility Support	--	898	0	*	1	*	0	--
	Onsite Transportation	--	135	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	106	0	*	Q	*	0	--
	End Use Not Reported	Q	Q	0	*	*	*	0	Q
327	NONMETALLIC MINERAL PRODUCTS								
	TOTAL FUEL CONSUMPTION	711	32,576	*	4	265	1	10	83
	Indirect Uses-Boiler Fuel	--	113	*	*	10	*	*	--
	Conventional Boiler Use	--	113	0	*	3	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	7	*	*	--
	Direct Uses-Total Process	--	27,942	*	2	232	*	10	--
	Process Heating	--	8,617	*	*	229	*	10	--
	Process Cooling and Refrigeration	--	950	0	*	Q	0	0	--
	Machine Drive	--	17,510	*	2	2	*	0	--
	Electro-Chemical Processes	--	274	--	--	--	--	--	--
	Other Process Use	--	591	0	*	*	*	*	--
	Direct Uses-Total Nonprocess	--	4,168	*	2	17	*	*	--
	Facility HVAC (g)	--	1,913	*	*	15	*	*	--
	Facility Lighting	--	1,766	--	--	--	--	--	--
	Other Facility Support	--	413	*	*	1	*	0	--
	Onsite Transportation	--	32	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	*	*	*	*	0	--
	Other Nonprocess Use	--	44	0	*	*	*	*	--
	End Use Not Reported	91	354	0	*	6	*	0	83
327121	**Brick and Structural Clay Tile**								
	TOTAL FUEL CONSUMPTION	20	576	*	*	15	*	*	1
	Indirect Uses-Boiler Fuel	--	1	0	0	*	0	0	--
	Conventional Boiler Use	--	1	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	442	*	*	14	*	*	--
	Process Heating	--	75	*	*	14	*	*	--
	Process Cooling and Refrigeration	--	3	0	0	0	0	0	--
	Machine Drive	--	362	0	*	*	*	0	--
	Electro-Chemical Processes	--	3	--	--	--	--	--	--
	Other Process Use	--	0	0	*	0	0	0	--
	Direct Uses-Total Nonprocess	--	86	0	*	*	*	0	--
	Facility HVAC (g)	--	31	0	*	*	*	0	--
	Facility Lighting	--	40	--	--	--	--	--	--
	Other Facility Support	--	14	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	0	0	--

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	End Use Not Reported	2	Q	0	0	*	*	0	1
327211	Flat Glass								
	TOTAL FUEL CONSUMPTION	49	1,660	0	*	42	*	0	*
	Indirect Uses-Boiler Fuel	--	5	0	0	*	0	0	--
	Conventional Boiler Use	--	5	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--
	Direct Uses-Total Process	--	1,407	0	*	40	*	0	--
	Process Heating	--	520	0	*	40	*	0	--
	Process Cooling and Refrigeration	--	99	0	0	0	0	0	--
	Machine Drive	--	718	0	*	*	*	0	--
	Electro-Chemical Processes	--	20	--	--	--	--	--	--
	Other Process Use	--	49	0	*	0	0	0	--
	Direct Uses-Total Nonprocess	--	249	0	*	1	*	0	--
	Facility HVAC (g)	--	113	0	0	1	*	0	--
	Facility Lighting	--	108	--	--	--	--	--	--
	Other Facility Support	--	20	0	*	*	*	0	--
	Onsite Transportation	--	4	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	4	0	*	0	0	0	--
	End Use Not Reported	*	*	0	0	0	*	0	*
327212	Other Pressed and Blown Glass and Glassware								
	TOTAL FUEL CONSUMPTION	37	2,563	0	*	27	*	0	Q
	Indirect Uses-Boiler Fuel	--	3	0	*	1	*	0	--
	Conventional Boiler Use	--	3	0	*	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	1	*	0	--
	Direct Uses-Total Process	--	2,196	0	*	24	*	0	--
	Process Heating	--	1,189	0	*	23	*	0	--
	Process Cooling and Refrigeration	--	274	0	0	*	0	0	--
	Machine Drive	--	641	0	*	*	*	0	--
	Electro-Chemical Processes	--	29	--	--	--	--	--	--
	Other Process Use	--	64	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	362	0	*	1	*	0	--
	Facility HVAC (g)	--	168	0	0	1	*	0	--
	Facility Lighting	--	151	--	--	--	--	--	--
	Other Facility Support	--	39	0	*	*	*	0	--
	Onsite Transportation	--	2	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	1	0	*	0	*	0	--
	End Use Not Reported	2	1	0	0	1	*	0	Q
327213	Glass Containers								
	TOTAL FUEL CONSUMPTION	59	3,604	0	*	45	*	0	*
	Indirect Uses-Boiler Fuel	--	3	0	0	*	0	0	--
	Conventional Boiler Use	--	3	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	3,268	0	*	42	*	0	--
	Process Heating	--	1,417	0	*	42	*	0	--

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NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	Process Cooling and Refrigeration	--	61	0	0	*	0	0	--
	Machine Drive	--	1,734	0	*	*	*	0	--
	Electro-Chemical Processes	--	17	--	--	--	--	--	--
	Other Process Use	--	39	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	333	0	*	2	*	0	--
	Facility HVAC (g)	--	154	0	*	2	*	0	--
	Facility Lighting	--	141	--	--	--	--	--	--
	Other Facility Support	--	28	0	0	*	*	0	--
	Onsite Transportation	--	9	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	*	0	*	0	--
	End Use Not Reported	*	*	0	*	0	*	0	*
327215	**Glass Products from Purchased Glass**								
	TOTAL FUEL CONSUMPTION	14	2,642	0	*	4	*	*	*
	Indirect Uses-Boiler Fuel	--	6	0	0	*	0	0	--
	Conventional Boiler Use	--	6	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	2,012	0	*	3	*	0	--
	Process Heating	--	1,016	0	*	3	*	0	--
	Process Cooling and Refrigeration	--	137	0	0	*	0	0	--
	Machine Drive	--	707	0	*	*	*	0	--
	Electro-Chemical Processes	--	24	--	--	--	--	--	--
	Other Process Use	--	128	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	576	0	*	1	*	*	--
	Facility HVAC (g)	--	306	0	*	1	*	*	--
	Facility Lighting	--	181	--	--	--	--	--	--
	Other Facility Support	--	57	0	*	*	*	0	--
	Onsite Transportation	--	10	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	22	0	*	*	*	0	--
	End Use Not Reported	*	47	0	*	*	*	0	*
327310	**Cements**								
	TOTAL FUEL CONSUMPTION	246	9,205	*	*	12	*	6	63
	Indirect Uses-Boiler Fuel	--	16	0	0	*	*	0	--
	Conventional Boiler Use	--	16	0	0	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--
	Direct Uses-Total Process	--	8,576	*	*	12	*	6	--
	Process Heating	--	1,832	*	*	12	*	6	--
	Process Cooling and Refrigeration	--	132	0	0	0	0	0	--
	Machine Drive	--	6,427	0	*	*	*	0	--
	Electro-Chemical Processes	--	39	--	--	--	--	--	--
	Other Process Use	--	146	0	*	0	*	*	--
	Direct Uses-Total Nonprocess	--	607	0	*	*	*	0	--
	Facility HVAC (g)	--	315	0	*	*	*	0	--
	Facility Lighting	--	219	--	--	--	--	--	--
	Other Facility Support	--	65	0	*	*	*	0	--
	Onsite Transportation	--	1	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	6	0	*	*	*	0	--

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NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	End Use Not Reported	63	6	0	0	0	*	0	63
327410	Lime								
	TOTAL FUEL CONSUMPTION	101	1,502	*	1	3	*	3	11
	Indirect Uses-Boiler Fuel	--	5	0	0	*	0	0	--
	Conventional Boiler Use	--	5	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--
	Direct Uses-Total Process	--	1,397	0	1	3	*	3	--
	Process Heating	--	341	0	*	3	*	3	--
	Process Cooling and Refrigeration	--	14	0	*	0	0	0	--
	Machine Drive	--	998	0	1	0	*	0	--
	Electro-Chemical Processes	--	0	--	--	--	--	--	--
	Other Process Use	--	43	0	*	0	0	0	--
	Direct Uses-Total Nonprocess	--	99	*	*	*	*	0	--
	Facility HVAC (g)	--	38	*	*	*	*	0	--
	Facility Lighting	--	40	--	--	--	--	--	--
	Other Facility Support	--	16	0	*	*	*	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	4	0	*	0	*	0	--
	End Use Not Reported	11	1	0	0	0	*	0	11
327420	Gypsum								
	TOTAL FUEL CONSUMPTION	44	1,384	*	*	38	*	0	*
	Indirect Uses-Boiler Fuel	--	1	0	0	1	0	0	--
	Conventional Boiler Use	--	1	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	1,181	0	*	35	*	0	--
	Process Heating	--	54	0	*	34	*	0	--
	Process Cooling and Refrigeration	--	14	0	0	0	0	0	--
	Machine Drive	--	1,111	0	*	1	*	0	--
	Electro-Chemical Processes	--	0	--	--	--	--	--	--
	Other Process Use	--	4	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	189	*	*	2	*	0	--
	Facility HVAC (g)	--	63	*	*	2	*	0	--
	Facility Lighting	--	96	--	--	--	--	--	--
	Other Facility Support	--	30	0	0	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	0	0	0	0	--
	End Use Not Reported	*	13	0	0	0	0	0	*
327993	Mineral Wool								
	TOTAL FUEL CONSUMPTION	39	3,419	0	*	24	*	0	3
	Indirect Uses-Boiler Fuel	--	2	0	*	1	0	0	--
	Conventional Boiler Use	--	2	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	0	0	--
	Direct Uses-Total Process	--	2,947	0	*	20	*	0	--
	Process Heating	--	1,439	0	*	20	*	0	--

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NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	Process Cooling and Refrigeration	--	69	0	0	*	0	0	--
	Machine Drive	--	1,322	0	*	*	*	0	--
	Electro-Chemical Processes	--	16	--	--	--	--	--	--
	Other Process Use	--	101	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	470	0	*	2	*	0	--
	Facility HVAC (g)	--	215	0	*	2	*	0	--
	Facility Lighting	--	205	--	--	--	--	--	--
	Other Facility Support	--	47	0	*	*	*	0	--
	Onsite Transportation	--	3	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	0	0	*	*	*	0	--
	End Use Not Reported	3	0	0	0	0	0	0	3
331	PRIMARY METALS								
	TOTAL FUEL CONSUMPTION	1,655	117,284	*	2	522	1	1	682
	Indirect Uses-Boiler Fuel	--	290	*	*	62	*	0	--
	Conventional Boiler Use	--	290	*	*	21	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	40	*	0	--
	Direct Uses-Total Process	--	106,334	*	*	422	*	1	--
	Process Heating	--	37,624	*	*	392	*	1	--
	Process Cooling and Refrigeration	--	1,390	0	*	3	*	0	--
	Machine Drive	--	32,532	*	*	12	*	0	--
	Electro-Chemical Processes	--	31,070	--	--	--	--	--	--
	Other Process Use	--	3,718	0	*	16	*	*	--
	Direct Uses-Total Nonprocess	--	10,119	*	1	37	*	*	--
	Facility HVAC (g)	--	4,380	*	*	32	*	0	--
	Facility Lighting	--	4,027	--	--	--	--	--	--
	Other Facility Support	--	1,105	0	*	3	*	0	--
	Onsite Transportation	--	75	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	532	0	*	1	*	*	--
	End Use Not Reported	686	540	0	*	Q	*	0	682
331111	Iron and Steel Mills								
	TOTAL FUEL CONSUMPTION	1,158	50,360	*	1	316	*	1	633
	Indirect Uses-Boiler Fuel	--	51	*	*	37	*	0	--
	Conventional Boiler Use	--	51	*	*	W	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	W	*	0	--
	Direct Uses-Total Process	--	45,213	0	*	264	*	1	--
	Process Heating	--	23,547	0	*	245	*	1	--
	Process Cooling and Refrigeration	--	598	0	*	2	*	0	--
	Machine Drive	--	18,479	0	*	6	*	0	--
	Electro-Chemical Processes	--	1,274	--	--	--	--	--	--
	Other Process Use	--	1,315	0	*	11	*	*	--
	Direct Uses-Total Nonprocess	--	4,648	0	1	15	*	*	--
	Facility HVAC (g)	--	1,930	0	*	12	*	0	--
	Facility Lighting	--	1,868	--	--	--	--	--	--
	Other Facility Support	--	495	0	*	2	*	0	--
	Onsite Transportation	--	10	--	1	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	346	0	*	1	*	*	--

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	End Use Not Reported	634	448	0	*	*	*	0	633
331112	**Electrometallurgical Ferroalloy Products**								
	TOTAL FUEL CONSUMPTION	13	3,158	0	*	1	*	0	1
	Indirect Uses-Boiler Fuel	--	*	0	0	*	0	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	3,070	0	*	*	*	0	--
	Process Heating	--	1,481	0	*	*	*	0	--
	Process Cooling and Refrigeration	--	23	0	0	0	0	0	--
	Machine Drive	--	208	0	*	0	*	0	--
	Electro-Chemical Processes	--	1,337	--	--	--	--	--	--
	Other Process Use	--	20	0	0	0	0	0	--
	Direct Uses-Total Nonprocess	--	87	0	*	*	*	0	--
	Facility HVAC (g)	--	32	0	*	*	*	0	--
	Facility Lighting	--	47	--	--	--	--	--	--
	Other Facility Support	--	9	0	0	*	*	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	0	0	*	0	*	0	--
	End Use Not Reported	1	*	0	0	0	*	0	1
3312	**Steel Products from Purchased Steel**								
	TOTAL FUEL CONSUMPTION	44	5,270	*	*	18	*	0	7
	Indirect Uses-Boiler Fuel	--	13	0	*	2	*	0	--
	Conventional Boiler Use	--	13	0	0	1	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	0	0	--
	Direct Uses-Total Process	--	4,335	*	*	12	*	0	--
	Process Heating	--	1,190	0	*	12	*	0	--
	Process Cooling and Refrigeration	--	81	0	0	0	0	0	--
	Machine Drive	--	2,679	*	*	*	*	0	--
	Electro-Chemical Processes	--	342	--	--	--	--	--	--
	Other Process Use	--	42	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	913	0	*	4	*	0	--
	Facility HVAC (g)	--	317	0	*	3	*	0	--
	Facility Lighting	--	434	--	--	--	--	--	--
	Other Facility Support	--	127	0	0	*	*	0	--
	Onsite Transportation	--	4	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	Q	0	*	*	*	0	--
	End Use Not Reported	8	Q	0	0	*	*	0	7
3313	**Alumina and Aluminum**								
	TOTAL FUEL CONSUMPTION	219	34,041	*	*	93	*	0	5
	Indirect Uses-Boiler Fuel	--	45	*	*	12	*	0	--
	Conventional Boiler Use	--	45	*	*	W	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	W	0	0	--
	Direct Uses-Total Process	--	32,736	*	*	76	*	0	--
	Process Heating	--	1,244	*	*	71	*	0	--

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	Process Cooling and Refrigeration	--	163	0	*	*	0	0	--
	Machine Drive	--	4,961	0	*	5	*	0	--
	Electro-Chemical Processes	--	26,268	--	--	--	--	--	--
	Other Process Use	--	101	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	1,259	0	*	4	*	0	--
	Facility HVAC (g)	--	449	0	*	4	*	0	--
	Facility Lighting	--	570	--	--	--	--	--	--
	Other Facility Support	--	189	0	0	*	*	0	--
	Onsite Transportation	--	49	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	2	0	*	*	*	0	--
	End Use Not Reported	5	1	0	*	*	*	0	5
331314	**Secondary Smelting and Alloying of Aluminum**								
	TOTAL FUEL CONSUMPTION	24	2,638	*	*	14	*	0	*
	Indirect Uses-Boiler Fuel	--	1	0	0	1	0	0	--
	Conventional Boiler Use	--	1	0	0	0	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	1	0	0	--
	Direct Uses-Total Process	--	2,543	*	*	13	*	0	--
	Process Heating	--	201	*	*	13	*	0	--
	Process Cooling and Refrigeration	--	5	0	0	*	0	0	--
	Machine Drive	--	359	0	*	0	*	0	--
	Electro-Chemical Processes	--	1,968	--	--	--	--	--	--
	Other Process Use	--	9	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	94	0	*	*	*	0	--
	Facility HVAC (g)	--	55	0	*	*	*	0	--
	Facility Lighting	--	32	--	--	--	--	--	--
	Other Facility Support	--	8	0	0	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	*	*	0	*	*	*	0	*
331315	**Aluminum Sheet, Plate and Foils**								
	TOTAL FUEL CONSUMPTION	57	4,134	*	*	39	*	0	2
	Indirect Uses-Boiler Fuel	--	2	*	0	W	0	0	--
	Conventional Boiler Use	--	2	*	0	1	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	W	0	0	--
	Direct Uses-Total Process	--	3,738	*	*	36	*	0	--
	Process Heating	--	556	*	0	36	*	0	--
	Process Cooling and Refrigeration	--	121	0	*	*	0	0	--
	Machine Drive	--	3,034	0	*	0	*	0	--
	Electro-Chemical Processes	--	4	--	--	--	--	--	--
	Other Process Use	--	23	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	394	0	*	W	*	0	--
	Facility HVAC (g)	--	161	0	*	W	*	0	--
	Facility Lighting	--	163	--	--	--	--	--	--
	Other Facility Support	--	64	0	0	*	*	0	--
	Onsite Transportation	--	6	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	1	0	*	0	0	0	--

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	End Use Not Reported	2	*	0	0	*	*	0	2
331316	Aluminum Extruded Products								
	TOTAL FUEL CONSUMPTION	16	1,411	0	*	11	*	0	*
	Indirect Uses-Boiler Fuel	--	3	0	0	W	*	0	--
	Conventional Boiler Use	--	3	0	0	W	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	W	0	0	--
	Direct Uses-Total Process	--	1,156	0	*	W	*	0	--
	Process Heating	--	197	0	0	W	*	0	--
	Process Cooling and Refrigeration	--	25	0	0	*	0	0	--
	Machine Drive	--	894	0	*	*	*	0	--
	Electro-Chemical Processes	--	32	--	--	--	--	--	--
	Other Process Use	--	8	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	252	0	*	1	*	0	--
	Facility HVAC (g)	--	81	0	*	1	*	0	--
	Facility Lighting	--	149	--	--	--	--	--	--
	Other Facility Support	--	19	0	0	*	*	0	--
	Onsite Transportation	--	2	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	1	0	*	0	*	0	--
	End Use Not Reported	*	0	0	0	0	*	0	*
3314	Nonferrous Metals, except Aluminum								
	TOTAL FUEL CONSUMPTION	123	13,301	*	*	50	*	0	25
	Indirect Uses-Boiler Fuel	--	121	0	*	9	*	0	--
	Conventional Boiler Use	--	121	0	*	4	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	5	*	0	--
	Direct Uses-Total Process	--	12,001	0	*	36	*	0	--
	Process Heating	--	5,122	0	*	33	*	0	--
	Process Cooling and Refrigeration	--	314	0	*	*	*	0	--
	Machine Drive	--	3,103	0	*	*	*	0	--
	Electro-Chemical Processes	--	1,768	--	--	--	--	--	--
	Other Process Use	--	1,693	0	*	3	*	0	--
	Direct Uses-Total Nonprocess	--	1,157	*	*	4	*	0	--
	Facility HVAC (g)	--	558	*	*	4	*	0	--
	Facility Lighting	--	406	--	--	--	--	--	--
	Other Facility Support	--	96	0	0	*	*	0	--
	Onsite Transportation	--	5	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	91	0	*	0	*	0	--
	End Use Not Reported	26	21	0	0	Q	*	0	25
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum								
	TOTAL FUEL CONSUMPTION	59	7,341	0	*	12	*	0	22
	Indirect Uses-Boiler Fuel	--	29	0	*	1	0	0	--
	Conventional Boiler Use	--	29	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	0	0	--
	Direct Uses-Total Process	--	6,971	0	*	10	*	0	--
	Process Heating	--	3,506	0	*	8	*	0	--

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NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	Process Cooling and Refrigeration	--	185	0	0	*	*	0	--
	Machine Drive	--	453	0	*	0	*	0	--
	Electro-Chemical Processes	--	1,293	--	--	--	--	--	--
	Other Process Use	--	1,534	0	*	3	*	0	--
	Direct Uses-Total Nonprocess	--	339	0	*	*	*	0	--
	Facility HVAC (g)	--	144	0	*	*	*	0	--
	Facility Lighting	--	91	--	--	--	--	--	--
	Other Facility Support	--	13	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	91	0	*	0	*	0	--
	End Use Not Reported	22	1	0	0	*	*	0	22
3315	**Foundries**								
	TOTAL FUEL CONSUMPTION	97	11,154	0	*	45	*	0	11
	Indirect Uses-Boiler Fuel	--	60	0	*	1	*	0	--
	Conventional Boiler Use	--	60	0	*	1	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	*	0	--
	Direct Uses-Total Process	--	8,979	0	*	33	*	0	--
	Process Heating	--	5,039	0	*	31	*	0	--
	Process Cooling and Refrigeration	--	210	0	*	*	0	0	--
	Machine Drive	--	3,102	0	*	*	*	0	--
	Electro-Chemical Processes	--	81	--	--	--	--	--	--
	Other Process Use	--	546	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	2,054	0	*	10	*	0	--
	Facility HVAC (g)	--	1,094	0	*	9	*	0	--
	Facility Lighting	--	702	--	--	--	--	--	--
	Other Facility Support	--	189	0	*	1	*	0	--
	Onsite Transportation	--	7	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	61	0	*	*	*	0	--
	End Use Not Reported	12	61	0	0	*	*	0	11
331511	**Iron Foundries**								
	TOTAL FUEL CONSUMPTION	45	5,675	0	*	14	*	0	11
	Indirect Uses-Boiler Fuel	--	36	0	*	*	*	0	--
	Conventional Boiler Use	--	36	0	*	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	*	0	0	--
	Direct Uses-Total Process	--	4,478	0	*	9	*	0	--
	Process Heating	--	2,972	0	*	8	*	0	--
	Process Cooling and Refrigeration	--	53	0	0	0	0	0	--
	Machine Drive	--	1,376	0	*	*	*	0	--
	Electro-Chemical Processes	--	17	--	--	--	--	--	--
	Other Process Use	--	60	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	1,133	0	*	5	*	0	--
	Facility HVAC (g)	--	661	0	*	4	*	0	--
	Facility Lighting	--	337	--	--	--	--	--	--
	Other Facility Support	--	88	0	*	*	*	0	--
	Onsite Transportation	--	3	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	*	0	--
	Other Nonprocess Use	--	45	0	*	*	*	0	--

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NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	End Use Not Reported	11	28	0	0	0	*	0	11
331521	**Aluminum Die-Casting Foundries**								
	TOTAL FUEL CONSUMPTION	16	1,285	0	*	11	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	0	*	*	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	*	0	--
	Direct Uses-Total Process	--	995	0	*	8	*	0	--
	Process Heating	--	310	0	0	8	*	0	--
	Process Cooling and Refrigeration	--	31	0	0	0	0	0	--
	Machine Drive	--	612	0	*	*	*	0	--
	Electro-Chemical Processes	--	4	--	--	--	--	--	--
	Other Process Use	--	39	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	270	0	*	2	*	0	--
	Facility HVAC (g)	--	117	0	*	2	*	0	--
	Facility Lighting	--	99	--	--	--	--	--	--
	Other Facility Support	--	35	0	0	*	*	0	--
	Onsite Transportation	--	3	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	16	0	*	*	*	0	--
	End Use Not Reported	*	20	0	0	*	*	0	*
331524	**Aluminum Foundries, except Die-Casting**								
	TOTAL FUEL CONSUMPTION	11	857	0	*	8	*	0	*
	Indirect Uses-Boiler Fuel	--	10	0	0	*	*	0	--
	Conventional Boiler Use	--	10	0	0	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	649	0	*	6	*	0	--
	Process Heating	--	299	0	*	6	*	0	--
	Process Cooling and Refrigeration	--	30	0	0	*	0	0	--
	Machine Drive	--	303	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	16	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	193	0	*	1	*	0	--
	Facility HVAC (g)	--	100	0	*	1	*	0	--
	Facility Lighting	--	75	--	--	--	--	--	--
	Other Facility Support	--	19	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	0	0	*	0	*	0	--
	End Use Not Reported	*	5	0	0	*	*	0	*
332	**FABRICATED METAL PRODUCTS**								
	TOTAL FUEL CONSUMPTION	301	37,206	*	*	158	1	*	Q
	Indirect Uses-Boiler Fuel	--	108	0	*	20	*	0	--
	Conventional Boiler Use	--	108	0	0	11	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	10	*	0	--
	Direct Uses-Total Process	--	26,179	0	*	91	*	0	--
	Process Heating	--	7,788	0	*	89	*	0	--

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NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	Process Cooling and Refrigeration	--	1,243	0	0	*	*	0	--
	Machine Drive	--	15,142	0	*	1	*	0	--
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--
	Other Process Use	--	989	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	8,625	0	*	29	1	*	--
	Facility HVAC (g)	--	3,531	0	*	28	*	*	--
	Facility Lighting	--	4,012	--	--	--	--	--	--
	Other Facility Support	--	889	0	*	2	*	0	--
	Onsite Transportation	--	140	--	*	*	1	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	Q	0	*	0	*	0	--
	End Use Not Reported	Q	2,292	*	*	Q	*	0	Q
333	MACHINERY								
	TOTAL FUEL CONSUMPTION	148	20,386	*	1	69	1	0	1
	Indirect Uses-Boiler Fuel	--	Q	*	*	6	*	0	--
	Conventional Boiler Use	--	Q	0	0	3	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	3	0	0	--
	Direct Uses-Total Process	--	11,660	0	*	29	*	0	--
	Process Heating	--	2,318	0	*	28	*	0	--
	Process Cooling and Refrigeration	--	545	0	0	*	0	0	--
	Machine Drive	--	8,176	0	*	1	*	0	--
	Electro-Chemical Processes	--	76	--	--	--	--	--	--
	Other Process Use	--	545	0	*	Q	*	0	--
	Direct Uses-Total Nonprocess	--	8,241	0	*	34	*	0	--
	Facility HVAC (g)	--	4,121	0	*	32	*	0	--
	Facility Lighting	--	3,013	--	--	--	--	--	--
	Other Facility Support	--	809	0	*	1	*	0	--
	Onsite Transportation	--	90	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	Q	0	*	*	*	0	--
	End Use Not Reported	3	289	0	0	Q	*	0	1
334	COMPUTER AND ELECTRONIC PRODUCTS								
	TOTAL FUEL CONSUMPTION	144	29,503	*	*	41	*	0	*
	Indirect Uses-Boiler Fuel	--	211	*	*	14	0	0	--
	Conventional Boiler Use	--	211	0	*	11	0	0	--
	CHP and/or Cogeneration Process	--	0	*	*	3	0	0	--
	Direct Uses-Total Process	--	14,132	0	*	6	*	0	--
	Process Heating	--	2,861	0	*	5	*	0	--
	Process Cooling and Refrigeration	--	2,575	0	0	0	0	0	--
	Machine Drive	--	6,771	0	*	*	*	0	--
	Electro-Chemical Processes	--	456	--	--	--	--	--	--
	Other Process Use	--	1,469	0	*	1	0	0	--
	Direct Uses-Total Nonprocess	--	14,096	*	*	19	*	0	--
	Facility HVAC (g)	--	8,770	*	*	17	*	0	--
	Facility Lighting	--	3,539	--	--	--	--	--	--
	Other Facility Support	--	1,486	0	*	1	*	0	--
	Onsite Transportation	--	20	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	281	0	*	*	*	0	--

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	End Use Not Reported	6	1,063	0	0	2	*	0	*
334413	Semiconductors and Related Devices								
	TOTAL FUEL CONSUMPTION	57	10,808	*	*	19	*	0	*
	Indirect Uses-Boiler Fuel	--	64	0	*	8	0	0	--
	Conventional Boiler Use	--	64	0	*	8	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	1	0	0	--
	Direct Uses-Total Process	--	6,341	0	*	3	*	0	--
	Process Heating	--	1,163	0	0	2	*	0	--
	Process Cooling and Refrigeration	--	1,167	0	0	0	0	0	--
	Machine Drive	--	2,522	0	*	*	*	0	--
	Electro-Chemical Processes	--	378	--	--	--	--	--	--
	Other Process Use	--	1,111	0	*	1	0	0	--
	Direct Uses-Total Nonprocess	--	3,589	*	*	6	*	0	--
	Facility HVAC (g)	--	2,535	*	*	5	*	0	--
	Facility Lighting	--	616	--	--	--	--	--	--
	Other Facility Support	--	276	0	*	*	*	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	163	0	*	*	*	0	--
	End Use Not Reported	5	813	0	0	2	*	0	*
335	ELEC. EQUIP., APPLIANCES, COMPONENTS								
	TOTAL FUEL CONSUMPTION	74	10,689	*	*	35	*	0	*
	Indirect Uses-Boiler Fuel	--	119	*	*	6	*	0	--
	Conventional Boiler Use	--	119	*	*	4	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	3	*	0	--
	Direct Uses-Total Process	--	7,055	*	*	20	*	0	--
	Process Heating	--	1,611	0	*	19	*	0	--
	Process Cooling and Refrigeration	--	468	0	0	*	0	0	--
	Machine Drive	--	4,005	*	*	*	*	0	--
	Electro-Chemical Processes	--	571	--	--	--	--	--	--
	Other Process Use	--	400	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	3,506	0	*	8	*	0	--
	Facility HVAC (g)	--	1,653	0	*	7	*	0	--
	Facility Lighting	--	1,076	--	--	--	--	--	--
	Other Facility Support	--	707	0	*	1	*	0	--
	Onsite Transportation	--	46	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	Q	0	*	*	*	0	--
	End Use Not Reported	1	Q	0	0	1	*	0	*
336	TRANSPORTATION EQUIPMENT								
	TOTAL FUEL CONSUMPTION	275	38,832	*	*	123	1	*	5
	Indirect Uses-Boiler Fuel	--	277	*	*	29	*	*	--
	Conventional Boiler Use	--	277	*	*	13	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	16	*	0	--
	Direct Uses-Total Process	--	22,236	*	*	50	*	0	--
	Process Heating	--	4,127	*	*	42	*	0	--

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	Process Cooling and Refrigeration	--	1,899	*	*	*	0	0	--
	Machine Drive	--	13,937	0	*	*	*	0	--
	Electro-Chemical Processes	--	799	--	--	--	--	--	--
	Other Process Use	--	1,475	0	*	7	*	0	--
	Direct Uses-Total Nonprocess	--	14,959	*	*	43	*	0	--
	Facility HVAC (g)	--	7,262	*	*	39	*	0	--
	Facility Lighting	--	5,674	--	--	--	--	--	--
	Other Facility Support	--	1,352	*	*	2	*	0	--
	Onsite Transportation	--	233	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	1	0	0	--
	Other Nonprocess Use	--	438	0	*	*	*	0	--
	End Use Not Reported	12	1,360	*	*	1	*	0	5
336111	**Automobiles**								
	TOTAL FUEL CONSUMPTION	28	3,027	0	*	15	*	*	1
	Indirect Uses-Boiler Fuel	--	24	0	*	3	*	*	--
	Conventional Boiler Use	--	24	0	*	2	*	*	--
	CHP and/or Cogeneration Process	--	0	0	0	1	0	0	--
	Direct Uses-Total Process	--	1,828	0	*	8	*	0	--
	Process Heating	--	243	0	0	8	0	0	--
	Process Cooling and Refrigeration	--	171	0	0	0	0	0	--
	Machine Drive	--	1,215	0	*	0	*	0	--
	Electro-Chemical Processes	--	53	--	--	--	--	--	--
	Other Process Use	--	146	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	1,175	0	*	4	*	0	--
	Facility HVAC (g)	--	591	0	0	3	*	0	--
	Facility Lighting	--	455	--	--	--	--	--	--
	Other Facility Support	--	98	0	*	1	*	0	--
	Onsite Transportation	--	13	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	17	0	*	0	*	0	--
	End Use Not Reported	1	0	0	0	0	0	0	1
336112	**Light Trucks and Utility Vehicles**								
	TOTAL FUEL CONSUMPTION	38	3,620	0	*	22	*	*	1
	Indirect Uses-Boiler Fuel	--	48	0	*	5	0	*	--
	Conventional Boiler Use	--	48	0	0	2	0	*	--
	CHP and/or Cogeneration Process	--	0	0	*	3	0	0	--
	Direct Uses-Total Process	--	2,324	0	*	12	*	0	--
	Process Heating	--	219	0	0	10	0	0	--
	Process Cooling and Refrigeration	--	337	0	0	*	0	0	--
	Machine Drive	--	1,581	0	*	*	*	0	--
	Electro-Chemical Processes	--	32	--	--	--	--	--	--
	Other Process Use	--	155	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	1,248	0	*	6	*	0	--
	Facility HVAC (g)	--	695	0	0	5	*	0	--
	Facility Lighting	--	405	--	--	--	--	--	--
	Other Facility Support	--	94	0	*	*	*	0	--
	Onsite Transportation	--	28	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	26	0	*	0	*	0	--

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	End Use Not Reported	1	0	0	0	0	0	0	1
3364	Aerospace Products								
	TOTAL FUEL CONSUMPTION	67	9,501	*	*	29	*	*	2
	Indirect Uses-Boiler Fuel	--	78	*	*	14	*	*	--
	Conventional Boiler Use	--	78	*	*	7	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	7	*	0	--
	Direct Uses-Total Process	--	4,265	*	*	5	*	0	--
	Process Heating	--	1,197	*	*	5	*	0	--
	Process Cooling and Refrigeration	--	600	*	*	*	0	0	--
	Machine Drive	--	2,090	0	*	*	*	0	--
	Electro-Chemical Processes	--	178	--	--	--	--	--	--
	Other Process Use	--	199	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	4,958	*	*	10	*	0	--
	Facility HVAC (g)	--	2,492	*	*	9	*	0	--
	Facility Lighting	--	1,823	--	--	--	--	--	--
	Other Facility Support	--	555	*	*	1	*	0	--
	Onsite Transportation	--	36	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	Q	0	0	--
	Other Nonprocess Use	--	52	0	*	*	*	0	--
	End Use Not Reported	4	199	*	0	*	*	0	2
336411	Aircraft								
	TOTAL FUEL CONSUMPTION	19	2,630	*	*	9	*	0	*
	Indirect Uses-Boiler Fuel	--	26	*	*	5	*	0	--
	Conventional Boiler Use	--	26	*	*	3	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	2	0	0	--
	Direct Uses-Total Process	--	751	*	*	1	*	0	--
	Process Heating	--	142	*	*	1	*	0	--
	Process Cooling and Refrigeration	--	153	*	0	*	0	0	--
	Machine Drive	--	419	0	*	*	*	0	--
	Electro-Chemical Processes	--	8	--	--	--	--	--	--
	Other Process Use	--	29	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	1,679	*	*	3	*	0	--
	Facility HVAC (g)	--	862	*	*	3	*	0	--
	Facility Lighting	--	632	--	--	--	--	--	--
	Other Facility Support	--	146	*	0	*	*	0	--
	Onsite Transportation	--	24	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	16	0	*	0	*	0	--
	End Use Not Reported	1	174	0	0	0	*	0	*
337	FURNITURE AND RELATED PRODUCTS								
	TOTAL FUEL CONSUMPTION	36	4,960	0	*	13	*	*	4
	Indirect Uses-Boiler Fuel	--	51	0	0	1	0	*	--
	Conventional Boiler Use	--	51	0	0	*	0	*	--
	CHP and/or Cogeneration Process	--	0	0	0	1	0	0	--
	Direct Uses-Total Process	--	2,738	0	*	5	*	0	--

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NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)
	Process Heating	--	246	0	*	5	*	0	--
	Process Cooling and Refrigeration	--	62	0	0	0	0	0	--
	Machine Drive	--	2,310	0	*	*	*	0	--
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--
	Other Process Use	--	91	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	1,988	0	*	6	*	*	--
	Facility HVAC (g)	--	883	0	*	6	*	*	--
	Facility Lighting	--	829	--	--	--	--	--	--
	Other Facility Support	--	213	0	0	*	*	0	--
	Onsite Transportation	--	35	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	27	0	*	0	*	0	--
	End Use Not Reported	5	183	0	*	*	*	0	4
339	MISCELLANEOUS								
	TOTAL FUEL CONSUMPTION	43	7,598	*	*	15	*	*	*
	Indirect Uses-Boiler Fuel	--	55	0	*	5	*	0	--
	Conventional Boiler Use	--	55	0	*	2	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	3	*	0	--
	Direct Uses-Total Process	--	4,056	0	*	4	*	0	--
	Process Heating	--	829	0	*	4	*	0	--
	Process Cooling and Refrigeration	--	353	0	0	*	0	0	--
	Machine Drive	--	2,254	0	*	*	*	0	--
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--
	Other Process Use	--	215	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	3,380	*	*	6	*	*	--
	Facility HVAC (g)	--	1,932	*	*	6	*	*	--
	Facility Lighting	--	1,074	--	--	--	--	--	--
	Other Facility Support	--	328	0	*	*	*	0	--
	Onsite Transportation	--	Q	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	Q	0	*	*	*	0	--
	End Use Not Reported	*	Q	0	0	*	*	0	*

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

(b) '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).

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

(d) '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.

(e) Examples of Liquefied Petroleum Gases '(LPG)' are 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

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Table 5.1 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Total (trillion Btu)	Net Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(f) (trillion Btu)

Natural Gas Liquids '(NGL).'

(f) '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.

(g) Facility Heating, Ventilation, and Air Conditioning '(Facility HVAC)' excludes steam and hot water.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

-- Estimation is not applicable.

S=Negative value.

Notes: Totals may not equal sum of components because of independent rounding. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells.
Allocations to specific end uses are made on the basis of reasonable approximations by respondents.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey.'

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Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;
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Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
		Total United States							
311 - 339	**ALL MANUFACTURING INDUSTRIES**								
	TOTAL FUEL CONSUMPTION	14,228	2,437	79	130	5,211	69	868	5,435
	Indirect Uses-Boiler Fuel	--	27	46	19	2,134	10	572	--
	Conventional Boiler Use	--	27	20	4	733	3	72	--
	CHP and/or Cogeneration Process	--	0	26	15	1,401	7	500	--
	Direct Uses-Total Process	--	1,912	26	54	2,623	29	289	--
	Process Heating	--	297	25	14	2,362	24	280	--
	Process Cooling and Refrigeration	--	182	*	Q	25	*	0	--
	Machine Drive	--	1,185	*	28	120	3	1	--
	Electro-Chemical Processes	--	189	--	--	--	--	--	--
	Other Process Use	--	59	*	10	117	1	8	--
	Direct Uses-Total Nonprocess	--	448	3	52	368	26	6	--
	Facility HVAC (g)	--	222	Q	4	306	4	3	--
	Facility Lighting	--	165	--	--	--	--	--	--
	Other Facility Support	--	47	*	1	36	3	*	--
	Onsite Transportation	--	5	--	39	1	17	--	--
	Conventional Electricity Generation	--	--	1	3	19	*	1	--
	Other Nonprocess Use	--	9	*	4	7	1	1	--
	End Use Not Reported	5,585	50	5	5	86	4	1	5,435
311	**FOOD**								
	TOTAL FUEL CONSUMPTION	1,158	257	12	22	579	6	182	101
	Indirect Uses-Boiler Fuel	--	7	10	3	334	2	162	--
	Conventional Boiler Use	--	7	5	1	164	*	25	--
	CHP and/or Cogeneration Process	--	0	4	2	170	1	137	--
	Direct Uses-Total Process	--	198	1	7	189	2	18	--
	Process Heating	--	12	1	Q	175	1	17	--
	Process Cooling and Refrigeration	--	72	0	Q	2	*	0	--
	Machine Drive	--	112	*	*	4	*	*	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	1	*	Q	7	*	1	--
	Direct Uses-Total Nonprocess	--	48	*	10	50	2	1	--
	Facility HVAC (g)	--	20	*	Q	33	*	*	--
	Facility Lighting	--	20	--	--	--	--	--	--
	Other Facility Support	--	6	*	*	16	*	*	--
	Onsite Transportation	--	1	--	5	*	1	--	--
	Conventional Electricity Generation	--	--	*	2	*	*	1	--
	Other Nonprocess Use	--	1	0	3	1	*	0	--
	End Use Not Reported	116	5	1	2	7	*	1	101
3112	**Grain and Oilseed Milling**								
	TOTAL FUEL CONSUMPTION	350	56	*	1	121	*	126	45
	Indirect Uses-Boiler Fuel	--	2	*	*	70	*	115	--
	Conventional Boiler Use	--	2	*	*	38	*	17	--
	CHP and/or Cogeneration Process	--	0	*	*	32	0	99	--
	Direct Uses-Total Process	--	47	*	*	47	*	9	--
	Process Heating	--	1	*	0	44	*	8	--
	Process Cooling and Refrigeration	--	6	0	0	*	0	0	--
	Machine Drive	--	40	*	*	1	*	*	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	1	0	1	--
	Direct Uses-Total Nonprocess	--	6	*	*	3	*	1	--
	Facility HVAC (g)	--	2	*	*	3	*	*	--
	Facility Lighting	--	3	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	1	*	*	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	1	--

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Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	48	Q	0	*	1	*	1	45
311221	**Wet Corn Milling**								
	TOTAL FUEL CONSUMPTION	214	25	*	*	53	*	110	25
	Indirect Uses-Boiler Fuel	--	1	0	*	23	0	102	--
	Conventional Boiler Use	--	1	0	0	15	0	13	--
	CHP and/or Cogeneration Process	--	0	0	*	8	0	90	--
	Direct Uses-Total Process	--	22	*	*	29	*	8	--
	Process Heating	--	*	*	0	29	*	8	--
	Process Cooling and Refrigeration	--	4	0	0	0	0	0	--
	Machine Drive	--	18	*	*	*	*	0	--
	Electro-Chemical Processes	--	0	--	--	--	--	--	--
	Other Process Use	--	*	0	*	0	0	0	--
	Direct Uses-Total Nonprocess	--	2	*	*	1	*	0	--
	Facility HVAC (g)	--	1	*	*	*	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	0	0	*	0	0	0	--
	End Use Not Reported	25	0	0	0	0	*	0	25
31131	**Sugar**								
	TOTAL FUEL CONSUMPTION	107	4	1	1	15	*	49	37
	Indirect Uses-Boiler Fuel	--	*	1	*	12	*	40	--
	Conventional Boiler Use	--	*	*	0	3	*	3	--
	CHP and/or Cogeneration Process	--	0	1	*	9	*	37	--
	Direct Uses-Total Process	--	3	0	*	3	*	8	--
	Process Heating	--	*	0	0	3	0	8	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	3	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	0	0	0	--
	Direct Uses-Total Nonprocess	--	1	*	1	*	*	*	--
	Facility HVAC (g)	--	*	0	0	*	*	*	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	*	*	*	*	*	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	37	0	0	*	0	*	0	37
3114	**Fruit and Vegetable Preserving and Specialty Foods**								
	TOTAL FUEL CONSUMPTION	143	31	1	Q	100	1	2	4
	Indirect Uses-Boiler Fuel	--	1	1	*	66	*	2	--
	Conventional Boiler Use	--	1	1	*	34	*	1	--
	CHP and/or Cogeneration Process	--	0	*	*	32	*	1	--
	Direct Uses-Total Process	--	24	*	Q	23	*	0	--
	Process Heating	--	1	*	Q	22	*	0	--
	Process Cooling and Refrigeration	--	12	0	*	*	*	0	--
	Machine Drive	--	11	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	6	*	1	9	1	0	--
	Facility HVAC (g)	--	2	*	*	8	*	0	--
	Facility Lighting	--	3	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	1	*	0	--
	Onsite Transportation	--	*	--	1	*	1	--	--

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Table 5.2 End Uses of Fuel Consumption, 2010;

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	6	*	0	*	1	*	0	4
3115	**Dairy Products**								
	TOTAL FUEL CONSUMPTION	105	33	2	2	66	1	*	2
	Indirect Uses-Boiler Fuel	--	1	1	1	41	*	*	--
	Conventional Boiler Use	--	1	1	*	17	*	*	--
	CHP and/or Cogeneration Process	--	0	*	1	24	*	0	--
	Direct Uses-Total Process	--	25	*	*	19	*	0	--
	Process Heating	--	1	*	*	16	*	0	--
	Process Cooling and Refrigeration	--	12	0	*	*	0	0	--
	Machine Drive	--	12	0	*	1	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	*	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	6	*	1	5	*	0	--
	Facility HVAC (g)	--	2	*	*	3	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	1	*	0	--
	Onsite Transportation	--	*	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	5	1	Q	*	2	*	0	2
3116	**Animal Slaughtering and Processing**								
	TOTAL FUEL CONSUMPTION	212	69	5	3	125	2	Q	8
	Indirect Uses-Boiler Fuel	--	2	4	1	80	Q	0	--
	Conventional Boiler Use	--	2	2	*	45	*	0	--
	CHP and/or Cogeneration Process	--	0	2	1	35	Q	0	--
	Direct Uses-Total Process	--	53	*	*	29	1	Q	--
	Process Heating	--	3	*	*	25	1	Q	--
	Process Cooling and Refrigeration	--	29	0	*	1	*	0	--
	Machine Drive	--	20	0	*	1	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	1	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	13	*	2	15	*	0	--
	Facility HVAC (g)	--	5	*	*	9	*	0	--
	Facility Lighting	--	6	--	--	--	--	--	--
	Other Facility Support	--	2	*	*	6	*	0	--
	Onsite Transportation	--	*	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	*	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	11	1	*	*	1	*	0	8
312	**BEVERAGE AND TOBACCO PRODUCTS**								
	TOTAL FUEL CONSUMPTION	86	29	1	1	38	1	10	7
	Indirect Uses-Boiler Fuel	--	1	*	*	24	*	5	--
	Conventional Boiler Use	--	1	*	*	9	*	1	--
	CHP and/or Cogeneration Process	--	0	*	*	15	*	4	--
	Direct Uses-Total Process	--	20	*	1	9	*	4	--
	Process Heating	--	2	*	*	9	*	4	--
	Process Cooling and Refrigeration	--	8	0	0	*	*	0	--
	Machine Drive	--	10	0	*	*	*	*	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	0	*	--
	Direct Uses-Total Nonprocess	--	6	*	*	4	1	1	--
	Facility HVAC (g)	--	3	*	*	3	*	*	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	*	*	*	--

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Onsite Transportation	--	*	--	*	*	1	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	*	--
	Other Nonprocess Use	--	*	0	*	*	*	*	--
	End Use Not Reported	10	3	0	*	*	*	0	7
3121	**Beverages**								
	TOTAL FUEL CONSUMPTION	77	25	*	1	34	1	8	7
	Indirect Uses-Boiler Fuel	--	*	*	*	21	*	3	--
	Conventional Boiler Use	--	*	*	*	8	*	*	--
	CHP and/or Cogeneration Process	--	0	*	*	13	*	3	--
	Direct Uses-Total Process	--	17	*	1	9	*	4	--
	Process Heating	--	1	*	*	8	*	4	--
	Process Cooling and Refrigeration	--	7	0	0	*	*	0	--
	Machine Drive	--	9	0	*	*	*	*	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	0	*	--
	Direct Uses-Total Nonprocess	--	5	*	*	4	1	1	--
	Facility HVAC (g)	--	2	*	*	3	*	*	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	*	--
	Onsite Transportation	--	*	--	*	*	1	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	*	--
	Other Nonprocess Use	--	*	0	*	*	*	*	--
	End Use Not Reported	10	3	0	*	*	*	0	7
3122	**Tobacco**								
	TOTAL FUEL CONSUMPTION	9	3	*	*	4	*	2	*
	Indirect Uses-Boiler Fuel	--	*	*	*	3	*	2	--
	Conventional Boiler Use	--	*	*	*	1	*	1	--
	CHP and/or Cogeneration Process	--	0	0	*	2	*	1	--
	Direct Uses-Total Process	--	2	*	*	*	*	0	--
	Process Heating	--	*	*	*	*	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
	Machine Drive	--	1	0	0	*	*	0	--
	Electro-Chemical Processes	--	0	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	1	*	*	*	*	0	--
	Facility HVAC (g)	--	1	*	*	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	*	0	0	0	0	0	0	*
313	**TEXTILE MILLS**								
	TOTAL FUEL CONSUMPTION	95	45	2	Q	31	1	8	6
	Indirect Uses-Boiler Fuel	--	1	1	*	17	*	7	--
	Conventional Boiler Use	--	1	*	*	8	*	Q	--
	CHP and/or Cogeneration Process	--	0	1	*	9	*	2	--
	Direct Uses-Total Process	--	34	Q	Q	11	*	Q	--
	Process Heating	--	3	Q	*	10	*	Q	--
	Process Cooling and Refrigeration	--	4	0	*	0	0	0	--
	Machine Drive	--	24	*	Q	*	*	*	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	Q	*	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	10	*	*	3	*	*	--
	Facility HVAC (g)	--	6	*	*	2	*	*	--
	Facility Lighting	--	4	--	--	--	--	--	--

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NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Other Facility Support	--	1	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	*	0	--
	Other Nonprocess Use	--	0	0	*	*	*	0	--
	End Use Not Reported	8	1	0	0	1	*	0	6
314	**TEXTILE PRODUCT MILLS**								
	TOTAL FUEL CONSUMPTION	20	8	*	*	9	Q	Q	*
	Indirect Uses-Boiler Fuel	--	*	*	*	4	*	0	--
	Conventional Boiler Use	--	*	*	*	2	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	2	*	0	--
	Direct Uses-Total Process	--	5	0	*	3	*	Q	--
	Process Heating	--	1	0	*	3	*	Q	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	4	0	0	*	0	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	3	0	*	1	Q	*	--
	Facility HVAC (g)	--	1	0	*	1	*	*	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	*	0	0	0	*	0	--
	End Use Not Reported	*	*	0	0	*	*	0	*
315	**APPAREL**								
	TOTAL FUEL CONSUMPTION	6	4	0	*	2	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	*	1	*	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	*	*	0	--
	Direct Uses-Total Process	--	2	0	0	1	*	0	--
	Process Heating	--	*	0	0	1	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	1	0	0	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	0	0	0	--
	Direct Uses-Total Nonprocess	--	2	0	*	1	*	0	--
	Facility HVAC (g)	--	1	0	*	1	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	*	0	0	--
	Other Nonprocess Use	--	*	0	0	0	0	0	--
	End Use Not Reported	*	*	0	0	*	*	0	*
316	**LEATHER AND ALLIED PRODUCTS**								
	TOTAL FUEL CONSUMPTION	2	1	*	*	1	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	*	*	*	0	--
	Conventional Boiler Use	--	*	0	*	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	*	*	0	--
	Direct Uses-Total Process	--	1	0	0	*	*	0	--
	Process Heating	--	*	0	0	*	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
	Machine Drive	--	*	0	0	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	0	--
	Facility HVAC (g)	--	*	0	*	*	*	0	--

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Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	0	0	--
	Onsite Transportation	--	*	--	0	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	0	0	0	0	0	0	--
	End Use Not Reported	*	*	*	0	*	*	0	*
321	**WOOD PRODUCTS**								
	TOTAL FUEL CONSUMPTION	470	52	*	22	34	3	1	357
	Indirect Uses-Boiler Fuel	--	1	*	Q	8	*	1	--
	Conventional Boiler Use	--	1	*	*	2	*	*	--
	CHP and/or Cogeneration Process	--	0	*	Q	6	*	*	--
	Direct Uses-Total Process	--	42	*	Q	22	1	*	--
	Process Heating	--	3	*	*	21	*	*	--
	Process Cooling and Refrigeration	--	1	0	0	*	*	0	--
	Machine Drive	--	38	0	Q	1	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	*	Q	*	*	0	--
	Direct Uses-Total Nonprocess	--	9	*	7	4	2	*	--
	Facility HVAC (g)	--	3	*	*	4	*	*	--
	Facility Lighting	--	4	--	--	--	--	--	--
	Other Facility Support	--	1	*	*	*	*	0	--
	Onsite Transportation	--	*	--	7	*	1	--	--
	Conventional Electricity Generation	--	--	0	*	0	*	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	360	1	*	Q	*	*	0	357
321113	**Sawmills**								
	TOTAL FUEL CONSUMPTION	232	15	*	Q	5	*	0	195
	Indirect Uses-Boiler Fuel	--	*	*	*	1	*	0	--
	Conventional Boiler Use	--	*	0	*	*	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	1	*	0	--
	Direct Uses-Total Process	--	13	*	Q	4	*	0	--
	Process Heating	--	1	*	*	4	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	*	*	0	--
	Machine Drive	--	12	0	Q	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	*	Q	*	*	0	--
	Direct Uses-Total Nonprocess	--	2	*	2	*	*	0	--
	Facility HVAC (g)	--	1	*	*	*	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	2	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	196	*	*	Q	*	*	0	195
3212	**Veneer, Plywood, and Engineered Woods**								
	TOTAL FUEL CONSUMPTION	183	22	*	2	19	1	1	138
	Indirect Uses-Boiler Fuel	--	*	*	Q	4	*	1	--
	Conventional Boiler Use	--	*	*	*	1	*	*	--
	CHP and/or Cogeneration Process	--	0	0	Q	3	*	*	--
	Direct Uses-Total Process	--	18	*	*	14	*	*	--
	Process Heating	--	1	*	*	13	*	*	--
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
	Machine Drive	--	16	0	*	1	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	3	0	1	1	1	*	--

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Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Facility HVAC (g)	--	1	0	*	1	*	*	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	139	1	0	*	*	*	0	138
321219	**Reconstituted Wood Products**								
	TOTAL FUEL CONSUMPTION	82	14	*	Q	14	*	1	52
	Indirect Uses-Boiler Fuel	--	*	*	Q	3	*	1	--
	Conventional Boiler Use	--	*	*	*	1	*	*	--
	CHP and/or Cogeneration Process	--	0	0	Q	2	0	*	--
	Direct Uses-Total Process	--	11	*	*	11	*	*	--
	Process Heating	--	1	*	*	11	*	*	--
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
	Machine Drive	--	10	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	2	0	*	1	*	0	--
	Facility HVAC (g)	--	1	0	*	1	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	52	*	0	0	*	*	0	52
3219	**Other Wood Products**								
	TOTAL FUEL CONSUMPTION	48	14	*	5	7	2	*	20
	Indirect Uses-Boiler Fuel	--	*	0	*	2	*	0	--
	Conventional Boiler Use	--	*	0	*	1	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	*	0	--
	Direct Uses-Total Process	--	10	0	1	3	*	*	--
	Process Heating	--	1	0	*	3	*	*	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	9	0	1	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	3	*	4	2	1	0	--
	Facility HVAC (g)	--	1	*	*	2	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	3	0	1	--	--
	Conventional Electricity Generation	--	--	0	*	0	*	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	20	*	*	*	*	*	0	20
322	**PAPER**								
	TOTAL FUEL CONSUMPTION	2,110	206	35	6	399	4	207	1,253
	Indirect Uses-Boiler Fuel	--	4	23	3	240	*	201	--
	Conventional Boiler Use	--	4	7	*	50	*	7	--
	CHP and/or Cogeneration Process	--	0	17	2	190	*	194	--
	Direct Uses-Total Process	--	174	11	1	132	1	6	--
	Process Heating	--	6	10	1	120	*	4	--
	Process Cooling and Refrigeration	--	3	0	0	*	0	0	--
	Machine Drive	--	155	*	*	10	*	*	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	9	0	*	2	*	1	--

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Level: National Data;
Row: End Uses within NAICS Codes;
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Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Direct Uses-Total Nonprocess	--	20	1	2	17	3	*	--
	Facility HVAC (g)	--	9	*	*	14	*	*	--
	Facility Lighting	--	9	--	--	--	--	--	--
	Other Facility Support	--	2	0	*	1	*	0	--
	Onsite Transportation	--	*	--	2	*	2	--	--
	Conventional Electricity Generation	--	--	1	*	2	0	*	--
	Other Nonprocess Use	--	*	*	*	*	*	0	--
	End Use Not Reported	1,271	9	*	*	9	*	0	1,253
322110	**Pulp Mills**								
	TOTAL FUEL CONSUMPTION	249	7	8	1	19	*	*	214
	Indirect Uses-Boiler Fuel	--	*	6	1	11	*	*	--
	Conventional Boiler Use	--	*	0	0	1	0	0	--
	CHP and/or Cogeneration Process	--	0	6	1	9	*	*	--
	Direct Uses-Total Process	--	6	2	*	9	*	0	--
	Process Heating	--	1	2	*	8	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	5	0	*	*	0	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	0	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	0	--
	Facility HVAC (g)	--	*	0	0	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	0	0	*	0	*	0	--
	End Use Not Reported	214	0	0	0	0	*	0	214
322121	**Paper Mills, except Newsprint**								
	TOTAL FUEL CONSUMPTION	822	62	13	2	172	1	113	458
	Indirect Uses-Boiler Fuel	--	1	8	1	104	*	107	--
	Conventional Boiler Use	--	1	3	*	25	*	2	--
	CHP and/or Cogeneration Process	--	0	5	1	79	*	105	--
	Direct Uses-Total Process	--	51	5	*	60	*	6	--
	Process Heating	--	2	5	*	54	*	4	--
	Process Cooling and Refrigeration	--	1	0	0	0	0	0	--
	Machine Drive	--	48	*	*	5	*	*	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	1	0	1	--
	Direct Uses-Total Nonprocess	--	5	1	1	3	1	*	--
	Facility HVAC (g)	--	2	*	*	3	*	*	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	1	0	1	--	--
	Conventional Electricity Generation	--	--	1	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	469	5	*	*	5	*	0	458
322122	**Newsprint Mills**								
	TOTAL FUEL CONSUMPTION	101	38	1	1	3	*	23	35
	Indirect Uses-Boiler Fuel	--	*	1	*	1	0	23	--
	Conventional Boiler Use	--	*	1	*	1	0	2	--
	CHP and/or Cogeneration Process	--	0	1	*	*	0	20	--
	Direct Uses-Total Process	--	36	0	*	2	*	0	--
	Process Heating	--	*	0	0	2	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	28	0	*	0	0	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--

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Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Other Process Use	--	8	0	0	0	0	0	--
	Direct Uses-Total Nonprocess	--	2	0	*	*	*	0	--
	Facility HVAC (g)	--	1	0	0	*	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	0	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	35	*	0	0	0	*	0	35
322130	**Paperboard Mills**								
	TOTAL FUEL CONSUMPTION	824	59	11	2	142	*	67	542
	Indirect Uses-Boiler Fuel	--	2	8	1	96	*	67	--
	Conventional Boiler Use	--	2	2	*	15	*	1	--
	CHP and/or Cogeneration Process	--	0	5	1	81	*	65	--
	Direct Uses-Total Process	--	52	3	*	39	*	0	--
	Process Heating	--	1	3	*	34	*	0	--
	Process Cooling and Refrigeration	--	1	0	0	0	0	0	--
	Machine Drive	--	49	0	*	4	*	0	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	1	0	0	1	0	0	--
	Direct Uses-Total Nonprocess	--	4	*	1	5	*	*	--
	Facility HVAC (g)	--	1	*	*	2	*	*	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	1	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	2	0	*	--
	Other Nonprocess Use	--	*	*	*	0	*	0	--
	End Use Not Reported	546	1	*	*	2	*	0	542
323	**PRINTING AND RELATED SUPPORT**								
	TOTAL FUEL CONSUMPTION	83	47	Q	*	34	1	0	*
	Indirect Uses-Boiler Fuel	--	1	0	*	7	*	0	--
	Conventional Boiler Use	--	1	0	0	3	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	5	*	0	--
	Direct Uses-Total Process	--	27	0	*	16	*	0	--
	Process Heating	--	2	0	*	12	*	0	--
	Process Cooling and Refrigeration	--	2	0	0	Q	0	0	--
	Machine Drive	--	22	0	0	1	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	1	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	18	Q	*	9	*	0	--
	Facility HVAC (g)	--	11	Q	*	9	*	0	--
	Facility Lighting	--	4	--	--	--	--	--	--
	Other Facility Support	--	2	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	3	2	0	*	Q	*	0	*
324	**PETROLEUM AND COAL PRODUCTS**								
	TOTAL FUEL CONSUMPTION	3,319	160	17	24	918	26	11	2,162
	Indirect Uses-Boiler Fuel	--	1	4	7	298	7	3	--
	Conventional Boiler Use	--	1	4	*	102	2	1	--
	CHP and/or Cogeneration Process	--	0	1	7	196	5	2	--
	Direct Uses-Total Process	--	144	10	11	567	18	9	--
	Process Heating	--	-4	10	7	516	18	4	--
	Process Cooling and Refrigeration	--	8	0	*	6	*	0	--
	Machine Drive	--	136	0	2	16	*	0	--

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	4	0	2	28	*	5	--
	Direct Uses-Total Nonprocess	--	13	*	6	19	1	*	--
	Facility HVAC (g)	--	6	*	1	3	*	*	--
	Facility Lighting	--	4	--	--	--	--	--	--
	Other Facility Support	--	2	0	*	1	*	0	--
	Onsite Transportation	--	*	--	5	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	15	*	0	--
	Other Nonprocess Use	--	1	*	*	*	*	0	--
	End Use Not Reported	2,202	3	2	1	34	1	0	2,162
324110	**Petroleum Refineries**								
	TOTAL FUEL CONSUMPTION	3,176	153	14	11	859	25	1	2,113
	Indirect Uses-Boiler Fuel	--	1	4	6	286	7	1	--
	Conventional Boiler Use	--	1	4	*	98	2	1	--
	CHP and/or Cogeneration Process	--	0	*	6	188	5	0	--
	Direct Uses-Total Process	--	138	7	2	524	17	0	--
	Process Heating	--	-5	7	1	475	17	0	--
	Process Cooling and Refrigeration	--	7	0	*	6	*	0	--
	Machine Drive	--	132	0	1	14	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	3	0	*	28	*	0	--
	Direct Uses-Total Nonprocess	--	12	0	2	17	*	0	--
	Facility HVAC (g)	--	5	0	*	2	*	0	--
	Facility Lighting	--	4	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	*	*	0	--
	Onsite Transportation	--	*	--	2	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	15	*	0	--
	Other Nonprocess Use	--	1	0	*	*	0	0	--
	End Use Not Reported	2,152	2	2	*	33	1	0	2,113
324121	**Asphalt Paving Mixture and Block**								
	TOTAL FUEL CONSUMPTION	65	4	3	12	39	1	Q	6
	Indirect Uses-Boiler Fuel	--	*	*	*	5	*	0	--
	Conventional Boiler Use	--	*	*	*	2	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	3	*	0	--
	Direct Uses-Total Process	--	3	3	8	33	1	Q	--
	Process Heating	--	*	3	6	30	1	Q	--
	Process Cooling and Refrigeration	--	*	0	*	*	0	0	--
	Machine Drive	--	2	0	1	2	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	2	*	*	0	--
	Direct Uses-Total Nonprocess	--	1	*	3	1	*	0	--
	Facility HVAC (g)	--	*	*	1	1	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	3	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	*	*	*	*	0	--
	End Use Not Reported	8	*	*	*	Q	*	0	6
324199	**Other Petroleum and Coal Products**								
	TOTAL FUEL CONSUMPTION	55	*	*	*	5	*	9	41
	Indirect Uses-Boiler Fuel	--	*	*	0	1	0	1	--
	Conventional Boiler Use	--	*	*	0	*	0	*	--
	CHP and/or Cogeneration Process	--	0	*	0	1	0	1	--
	Direct Uses-Total Process	--	*	0	*	4	*	8	--
	Process Heating	--	*	0	*	4	*	3	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--

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Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Machine Drive	--	-1	0	*	*	0	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	0	*	5	--
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	*	--
	Facility HVAC (g)	--	*	0	*	*	*	*	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	*	*	*	0	--
	End Use Not Reported	41	0	0	0	0	*	0	41
325	**CHEMICALS**								
	TOTAL FUEL CONSUMPTION	3,222	450	7	8	1,784	7	200	765
	Indirect Uses-Boiler Fuel	--	5	4	2	1,000	1	187	--
	Conventional Boiler Use	--	5	2	1	302	1	29	--
	CHP and/or Cogeneration Process	--	0	3	1	697	*	158	--
	Direct Uses-Total Process	--	390	2	2	750	1	13	--
	Process Heating	--	18	2	1	624	*	13	--
	Process Cooling and Refrigeration	--	34	0	*	9	*	0	--
	Machine Drive	--	266	*	1	68	*	0	--
	Electro-Chemical Processes	--	67	--	--	--	--	--	--
	Other Process Use	--	4	0	*	49	*	0	--
	Direct Uses-Total Nonprocess	--	53	*	4	32	4	1	--
	Facility HVAC (g)	--	28	0	*	24	*	1	--
	Facility Lighting	--	18	--	--	--	--	--	--
	Other Facility Support	--	6	0	*	4	Q	0	--
	Onsite Transportation	--	*	--	3	*	1	--	--
	Conventional Electricity Generation	--	--	0	*	1	*	0	--
	Other Nonprocess Use	--	1	*	*	2	*	0	--
	End Use Not Reported	773	3	*	*	3	1	0	765
325110	**Petrochemicals**								
	TOTAL FUEL CONSUMPTION	568	22	1	*	248	1	0	295
	Indirect Uses-Boiler Fuel	--	*	1	*	67	0	0	--
	Conventional Boiler Use	--	*	1	*	22	0	0	--
	CHP and/or Cogeneration Process	--	0	*	*	45	0	0	--
	Direct Uses-Total Process	--	21	0	*	180	*	0	--
	Process Heating	--	*	0	*	W	0	0	--
	Process Cooling and Refrigeration	--	4	0	0	3	*	0	--
	Machine Drive	--	15	0	*	W	0	0	--
	Electro-Chemical Processes	--	2	--	--	--	--	--	--
	Other Process Use	--	*	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	1	*	0	--
	Facility HVAC (g)	--	1	0	0	*	0	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	0	0	*	1	0	0	--
	End Use Not Reported	296	*	0	*	*	1	0	295
325120	**Industrial Gases**								
	TOTAL FUEL CONSUMPTION	96	66	0	*	27	*	0	3
	Indirect Uses-Boiler Fuel	--	*	0	*	Q	0	0	--
	Conventional Boiler Use	--	*	0	*	2	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	Q	0	0	--
	Direct Uses-Total Process	--	64	0	*	12	*	0	--
	Process Heating	--	1	0	*	3	0	0	--

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Process Cooling and Refrigeration	--	1	0	*	*	0	0	--
	Machine Drive	--	42	0	*	0	*	0	--
	Electro-Chemical Processes	--	20	--	--	--	--	--	--
	Other Process Use	--	*	0	0	8	*	0	--
	Direct Uses-Total Nonprocess	--	2	0	*	*	*	0	--
	Facility HVAC (g)	--	1	0	*	*	0	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	0	0	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	0	0	0	0	--
	End Use Not Reported	3	1	0	*	0	*	0	3
325181	**Alkalies and Chlorine**								
	TOTAL FUEL CONSUMPTION	W	32	0	*	W	*	39	17
	Indirect Uses-Boiler Fuel	--	*	0	*	76	*	35	--
	Conventional Boiler Use	--	*	0	*	6	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	69	*	35	--
	Direct Uses-Total Process	--	31	0	*	W	*	4	--
	Process Heating	--	*	0	0	W	*	4	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	7	0	*	W	0	0	--
	Electro-Chemical Processes	--	23	--	--	--	--	--	--
	Other Process Use	--	0	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	*	*	0	--
	Facility HVAC (g)	--	*	0	*	*	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	*	0	0	0	--
	End Use Not Reported	17	*	0	0	0	*	0	17
325182	**Carbon Black**								
	TOTAL FUEL CONSUMPTION	W	1	*	*	11	*	0	W
	Indirect Uses-Boiler Fuel	--	*	0	0	*	0	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	1	*	*	11	0	0	--
	Process Heating	--	*	0	0	8	0	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	1	*	*	2	0	0	--
	Electro-Chemical Processes	--	0	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	0	--
	Facility HVAC (g)	--	*	0	0	*	0	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	0	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	0	*	0	0	--
	End Use Not Reported	W	0	0	0	0	0	0	W
325188	**Other Basic Inorganic Chemicals**								
	TOTAL FUEL CONSUMPTION	214	84	1	1	49	*	17	62
	Indirect Uses-Boiler Fuel	--	*	*	*	18	*	17	--
	Conventional Boiler Use	--	*	*	*	8	*	1	--
	CHP and/or Cogeneration Process	--	0	0	*	10	0	16	--
	Direct Uses-Total Process	--	82	1	*	30	*	*	--

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Process Heating	--	5	1	*	29	*	*	--
	Process Cooling and Refrigeration	--	1	0	*	*	0	0	--
	Machine Drive	--	58	0	*	*	0	0	--
	Electro-Chemical Processes	--	17	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	3	0	*	2	*	0	--
	Facility HVAC (g)	--	1	0	*	1	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	63	*	0	*	*	*	0	62
325192	**Cyclic Crudes and Intermediates**								
	TOTAL FUEL CONSUMPTION	52	9	2	*	22	*	0	18
	Indirect Uses-Boiler Fuel	--	*	1	*	13	*	0	--
	Conventional Boiler Use	--	*	*	*	9	*	0	--
	CHP and/or Cogeneration Process	--	0	1	*	4	0	0	--
	Direct Uses-Total Process	--	8	0	*	9	*	0	--
	Process Heating	--	1	0	*	9	*	0	--
	Process Cooling and Refrigeration	--	2	0	*	0	0	0	--
	Machine Drive	--	5	0	*	0	0	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	0	0	0	0	0	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	*	*	0	--
	Facility HVAC (g)	--	1	0	*	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	0	0	0	0	--
	End Use Not Reported	19	0	*	0	0	0	0	18
325193	**Ethyl Alcohol**								
	TOTAL FUEL CONSUMPTION	307	25	0	*	252	*	25	4
	Indirect Uses-Boiler Fuel	--	1	0	*	146	*	18	--
	Conventional Boiler Use	--	1	0	*	74	*	3	--
	CHP and/or Cogeneration Process	--	0	0	*	72	*	15	--
	Direct Uses-Total Process	--	22	0	*	101	*	7	--
	Process Heating	--	1	0	*	91	*	7	--
	Process Cooling and Refrigeration	--	2	0	0	*	0	0	--
	Machine Drive	--	18	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	9	*	0	--
	Direct Uses-Total Nonprocess	--	2	0	*	3	*	0	--
	Facility HVAC (g)	--	1	0	*	2	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	1	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	*	*	*	0	--
	End Use Not Reported	7	*	0	*	3	*	0	4
325199	**Other Basic Organic Chemicals**								
	TOTAL FUEL CONSUMPTION	634	33	*	1	378	*	59	164
	Indirect Uses-Boiler Fuel	--	1	*	*	258	*	59	--
	Conventional Boiler Use	--	1	*	*	63	0	3	--
	CHP and/or Cogeneration Process	--	0	0	*	195	*	56	--

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Direct Uses-Total Process	--	26	0	*	116	*	0	--
	Process Heating	--	1	0	*	87	*	0	--
	Process Cooling and Refrigeration	--	3	0	*	4	*	0	--
	Machine Drive	--	25	0	*	5	*	0	--
	Electro-Chemical Processes	--	-5	--	--	--	--	--	--
	Other Process Use	--	1	0	*	19	*	0	--
	Direct Uses-Total Nonprocess	--	5	0	*	5	*	0	--
	Facility HVAC (g)	--	2	0	*	3	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	1	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	1	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	163	*	0	*	*	*	0	164
325211	**Plastics Materials and Resins**								
	TOTAL FUEL CONSUMPTION	462	67	Q	1	307	1	12	73
	Indirect Uses-Boiler Fuel	--	1	*	*	233	1	12	--
	Conventional Boiler Use	--	1	*	*	41	1	10	--
	CHP and/or Cogeneration Process	--	0	0	*	192	*	3	--
	Direct Uses-Total Process	--	59	Q	*	70	*	0	--
	Process Heating	--	2	Q	*	61	*	0	--
	Process Cooling and Refrigeration	--	5	0	*	1	*	0	--
	Machine Drive	--	42	0	*	3	*	0	--
	Electro-Chemical Processes	--	9	--	--	--	--	--	--
	Other Process Use	--	*	0	*	5	*	0	--
	Direct Uses-Total Nonprocess	--	7	0	*	4	*	0	--
	Facility HVAC (g)	--	3	0	*	2	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	1	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	73	*	0	*	*	*	0	73
325212	**Synthetic Rubber**								
	TOTAL FUEL CONSUMPTION	39	6	0	*	22	*	3	8
	Indirect Uses-Boiler Fuel	--	*	0	*	19	0	3	--
	Conventional Boiler Use	--	*	0	*	6	0	1	--
	CHP and/or Cogeneration Process	--	0	0	*	14	0	2	--
	Direct Uses-Total Process	--	4	0	*	2	*	0	--
	Process Heating	--	*	0	0	W	0	0	--
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--
	Machine Drive	--	3	0	*	W	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	*	*	0	--
	Facility HVAC (g)	--	*	0	0	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	9	1	0	*	0	*	0	8
325222	**Noncellulosic Organic Fibers**								
	TOTAL FUEL CONSUMPTION	36	10	*	*	10	*	3	13
	Indirect Uses-Boiler Fuel	--	*	*	*	6	*	3	--
	Conventional Boiler Use	--	*	*	*	4	0	2	--

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	CHP and/or Cogeneration Process	--	0	*	*	2	*	1	--
	Direct Uses-Total Process	--	8	*	*	3	*	0	--
	Process Heating	--	1	*	0	W	*	0	--
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--
	Machine Drive	--	5	0	*	W	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	1	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	2	0	*	*	*	0	--
	Facility HVAC (g)	--	1	0	0	*	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	13	0	0	0	0	*	0	13
325311	**Nitrogenous Fertilizers**								
	TOTAL FUEL CONSUMPTION	166	12	*	*	152	*	0	2
	Indirect Uses-Boiler Fuel	--	*	*	*	49	*	0	--
	Conventional Boiler Use	--	*	0	*	30	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	19	*	0	--
	Direct Uses-Total Process	--	11	0	*	102	*	0	--
	Process Heating	--	*	0	*	97	*	0	--
	Process Cooling and Refrigeration	--	2	0	0	0	0	0	--
	Machine Drive	--	9	0	*	3	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	3	*	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	1	*	0	--
	Facility HVAC (g)	--	*	0	*	1	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	2	0	0	*	-1	*	0	2
325312	**Phosphatic Fertilizers**								
	TOTAL FUEL CONSUMPTION	35	4	*	1	27	*	2	*
	Indirect Uses-Boiler Fuel	--	*	*	*	3	0	0	--
	Conventional Boiler Use	--	*	0	0	2	0	0	--
	CHP and/or Cogeneration Process	--	0	*	*	1	0	0	--
	Direct Uses-Total Process	--	4	*	*	24	*	2	--
	Process Heating	--	*	*	*	24	0	2	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	4	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	*	0	1	*	*	0	--
	Facility HVAC (g)	--	*	0	*	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	0	0	--
	Onsite Transportation	--	*	--	1	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	0	0	--
	End Use Not Reported	*	*	0	0	*	0	0	*
3254	**Pharmaceuticals and Medicines**								
	TOTAL FUEL CONSUMPTION	91	31	*	1	49	*	4	7
	Indirect Uses-Boiler Fuel	--	*	*	*	38	*	3	--

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Unit: Trillion Btu.

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	Conventional Boiler Use	--	*	*	*	17	*	3	--
	CHP and/or Cogeneration Process	--	0	*	*	21	*	0	--
	Direct Uses-Total Process	--	16	*	*	5	*	0	--
	Process Heating	--	2	*	0	4	*	0	--
	Process Cooling and Refrigeration	--	5	0	*	*	0	0	--
	Machine Drive	--	8	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	1	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	15	*	*	6	*	1	--
	Facility HVAC (g)	--	10	0	*	5	*	1	--
	Facility Lighting	--	3	--	--	--	--	--	--
	Other Facility Support	--	2	0	*	1	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	*	*	*	*	*	0	--
	End Use Not Reported	7	*	0	*	*	*	0	7
325412	**Pharmaceutical Preparation**								
	TOTAL FUEL CONSUMPTION	51	19	*	*	24	*	4	4
	Indirect Uses-Boiler Fuel	--	*	*	*	17	*	3	--
	Conventional Boiler Use	--	*	*	*	8	*	3	--
	CHP and/or Cogeneration Process	--	0	*	*	8	*	0	--
	Direct Uses-Total Process	--	10	*	*	3	*	0	--
	Process Heating	--	1	*	0	2	*	0	--
	Process Cooling and Refrigeration	--	3	0	0	*	0	0	--
	Machine Drive	--	5	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	1	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	9	0	*	4	*	1	--
	Facility HVAC (g)	--	5	0	*	3	*	1	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	4	*	0	*	*	*	0	4
325992	**Photographic Film, Paper, Plate, and Chemicals**								
	TOTAL FUEL CONSUMPTION	20	5	*	*	6	*	9	*
	Indirect Uses-Boiler Fuel	--	*	*	*	5	0	9	--
	Conventional Boiler Use	--	*	0	*	3	0	0	--
	CHP and/or Cogeneration Process	--	0	*	*	2	0	9	--
	Direct Uses-Total Process	--	3	0	*	1	*	0	--
	Process Heating	--	*	0	0	1	0	0	--
	Process Cooling and Refrigeration	--	1	0	0	0	0	0	--
	Machine Drive	--	1	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	2	0	*	*	*	0	--
	Facility HVAC (g)	--	1	0	*	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	1	*	0	0	*	0	0	*
326	**PLASTICS AND RUBBER PRODUCTS**								
	TOTAL FUEL CONSUMPTION	272	156	*	2	103	2	Q	Q

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Next MECS will be fielded in 2015

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Indirect Uses-Boiler Fuel	--	1	*	2	44	*	Q	--
	Conventional Boiler Use	--	1	*	Q	20	*	0	--
	CHP and/or Cogeneration Process	--	0	0	1	24	*	Q	--
	Direct Uses-Total Process	--	119	0	*	37	*	0	--
	Process Heating	--	29	0	0	34	*	0	--
	Process Cooling and Refrigeration	--	18	0	0	1	*	0	--
	Machine Drive	--	68	0	*	Q	*	0	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	5	0	0	Q	*	0	--
	Direct Uses-Total Nonprocess	--	33	0	*	23	1	0	--
	Facility HVAC (g)	--	16	0	*	21	*	0	--
	Facility Lighting	--	13	--	--	--	--	--	--
	Other Facility Support	--	3	0	*	1	*	0	--
	Onsite Transportation	--	*	--	*	*	1	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	Q	*	0	--
	End Use Not Reported	Q	Q	0	*	Q	*	0	Q
327	**NONMETALLIC MINERAL PRODUCTS**								
	TOTAL FUEL CONSUMPTION	711	111	1	23	273	2	217	83
	Indirect Uses-Boiler Fuel	--	*	*	*	11	*	*	--
	Conventional Boiler Use	--	*	0	*	3	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	7	*	*	--
	Direct Uses-Total Process	--	95	1	12	239	1	216	--
	Process Heating	--	29	*	2	235	1	216	--
	Process Cooling and Refrigeration	--	3	0	*	Q	0	0	--
	Machine Drive	--	60	*	10	2	Q	0	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	2	0	*	1	*	*	--
	Direct Uses-Total Nonprocess	--	14	*	10	17	1	*	--
	Facility HVAC (g)	--	7	*	*	16	*	*	--
	Facility Lighting	--	6	--	--	--	--	--	--
	Other Facility Support	--	1	*	*	1	*	0	--
	Onsite Transportation	--	*	--	9	*	1	--	--
	Conventional Electricity Generation	--	--	*	*	*	*	0	--
	Other Nonprocess Use	--	*	0	Q	*	*	*	--
	End Use Not Reported	91	1	0	*	6	*	0	83
327121	**Brick and Structural Clay Tile**								
	TOTAL FUEL CONSUMPTION	20	2	*	*	16	*	1	1
	Indirect Uses-Boiler Fuel	--	*	0	0	*	0	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	2	*	*	15	*	1	--
	Process Heating	--	*	*	*	15	*	1	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	1	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	0	0	*	0	0	0	--
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	0	--
	Facility HVAC (g)	--	*	0	*	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	0	0	--
	End Use Not Reported	2	*	0	0	1	*	0	1
327211	**Flat Glass**								

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Next MECS will be fielded in 2015

Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	TOTAL FUEL CONSUMPTION	49	6	0	*	43	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	0	*	0	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--
	Direct Uses-Total Process	--	5	0	*	41	*	0	--
	Process Heating	--	2	0	*	41	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	2	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	0	0	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	1	*	0	--
	Facility HVAC (g)	--	*	0	0	1	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	0	0	--
	End Use Not Reported	*	*	0	0	0	*	0	*
327212	**Other Pressed and Blown Glass and Glassware**								
	TOTAL FUEL CONSUMPTION	37	9	0	*	28	*	0	Q
	Indirect Uses-Boiler Fuel	--	*	0	*	1	*	0	--
	Conventional Boiler Use	--	*	0	*	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	1	*	0	--
	Direct Uses-Total Process	--	7	0	*	25	*	0	--
	Process Heating	--	4	0	*	24	*	0	--
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--
	Machine Drive	--	2	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	1	*	0	--
	Facility HVAC (g)	--	1	0	0	1	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	2	*	0	0	1	*	0	Q
327213	**Glass Containers**								
	TOTAL FUEL CONSUMPTION	59	12	0	*	46	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	0	*	0	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	11	0	*	44	*	0	--
	Process Heating	--	5	0	*	44	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
	Machine Drive	--	6	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	2	*	0	--
	Facility HVAC (g)	--	1	0	*	2	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	*	0	*	0	--
	End Use Not Reported	*	*	0	*	0	*	0	*
327215	**Glass Products from Purchased Glass**								

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Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	TOTAL FUEL CONSUMPTION	14	9	0	*	5	*	*	*
	Indirect Uses-Boiler Fuel	--	*	0	0	*	0	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	7	0	*	3	*	0	--
	Process Heating	--	3	0	*	3	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
	Machine Drive	--	2	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	2	0	*	1	*	*	--
	Facility HVAC (g)	--	1	0	*	1	*	*	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	*	*	0	*	*	*	0	*
327310	**Cements**								
	TOTAL FUEL CONSUMPTION	246	31	*	3	13	*	135	63
	Indirect Uses-Boiler Fuel	--	*	0	0	*	*	0	--
	Conventional Boiler Use	--	*	0	0	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--
	Direct Uses-Total Process	--	29	*	1	12	*	135	--
	Process Heating	--	6	*	*	12	*	135	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	22	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	0	*	*	--
	Direct Uses-Total Nonprocess	--	2	0	2	*	*	0	--
	Facility HVAC (g)	--	1	0	*	*	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	2	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	63	*	0	0	0	*	0	63
327410	**Lime**								
	TOTAL FUEL CONSUMPTION	101	5	*	5	3	*	77	11
	Indirect Uses-Boiler Fuel	--	*	0	0	*	0	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	0	0	0	--
	Direct Uses-Total Process	--	5	0	4	3	*	77	--
	Process Heating	--	1	0	*	3	*	77	--
	Process Cooling and Refrigeration	--	*	0	*	0	0	0	--
	Machine Drive	--	3	0	4	0	*	0	--
	Electro-Chemical Processes	--	0	--	--	--	--	--	--
	Other Process Use	--	*	0	*	0	0	0	--
	Direct Uses-Total Nonprocess	--	*	*	1	*	*	0	--
	Facility HVAC (g)	--	*	*	*	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	0	--	1	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	11	*	0	0	0	*	0	11
327420	**Gypsum**								

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Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	TOTAL FUEL CONSUMPTION	44	5	*	*	39	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	0	1	0	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	4	0	*	36	*	0	--
	Process Heating	--	*	0	*	35	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	4	0	*	1	*	0	--
	Electro-Chemical Processes	--	0	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	1	*	*	2	*	0	--
	Facility HVAC (g)	--	*	*	*	2	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	0	0	0	0	0	0	--
	End Use Not Reported	*	*	0	0	0	0	0	*
327993	**Mineral Wool**								
	TOTAL FUEL CONSUMPTION	39	12	0	*	24	*	0	3
	Indirect Uses-Boiler Fuel	--	*	0	*	1	0	0	--
	Conventional Boiler Use	--	*	0	*	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	0	0	--
	Direct Uses-Total Process	--	10	0	*	21	*	0	--
	Process Heating	--	5	0	*	21	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
	Machine Drive	--	5	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	2	0	*	2	*	0	--
	Facility HVAC (g)	--	1	0	*	2	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	0	0	*	*	*	0	--
	End Use Not Reported	3	0	0	0	0	0	0	3
331	**PRIMARY METALS**								
	TOTAL FUEL CONSUMPTION	1,655	400	1	9	537	3	23	682
	Indirect Uses-Boiler Fuel	--	1	1	*	63	*	0	--
	Conventional Boiler Use	--	1	*	*	22	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	42	*	0	--
	Direct Uses-Total Process	--	363	*	3	434	1	21	--
	Process Heating	--	128	*	*	403	1	21	--
	Process Cooling and Refrigeration	--	5	0	*	3	*	0	--
	Machine Drive	--	111	*	1	12	*	0	--
	Electro-Chemical Processes	--	106	--	--	--	--	--	--
	Other Process Use	--	13	0	1	16	*	1	--
	Direct Uses-Total Nonprocess	--	35	*	6	38	1	1	--
	Facility HVAC (g)	--	15	*	*	33	*	0	--
	Facility Lighting	--	14	--	--	--	--	--	--
	Other Facility Support	--	4	0	*	3	*	0	--
	Onsite Transportation	--	*	--	6	*	1	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	2	0	*	1	*	1	--
	End Use Not Reported	686	2	0	*	Q	*	0	682

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Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
331111	**Iron and Steel Mills**								
	TOTAL FUEL CONSUMPTION	1,158	172	*	5	325	*	23	633
	Indirect Uses-Boiler Fuel	--	*	*	*	38	*	0	--
	Conventional Boiler Use	--	*	*	*	W	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	W	*	0	--
	Direct Uses-Total Process	--	154	0	2	272	*	21	--
	Process Heating	--	80	0	*	252	*	21	--
	Process Cooling and Refrigeration	--	2	0	*	2	*	0	--
	Machine Drive	--	63	0	*	6	*	0	--
	Electro-Chemical Processes	--	4	--	--	--	--	--	--
	Other Process Use	--	4	0	1	11	*	1	--
	Direct Uses-Total Nonprocess	--	16	0	3	16	*	1	--
	Facility HVAC (g)	--	7	0	*	13	*	0	--
	Facility Lighting	--	6	--	--	--	--	--	--
	Other Facility Support	--	2	0	*	2	*	0	--
	Onsite Transportation	--	*	--	3	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	1	0	*	1	*	1	--
	End Use Not Reported	634	2	0	*	*	*	0	633
331112	**Electrometallurgical Ferroalloy Products**								
	TOTAL FUEL CONSUMPTION	13	11	0	*	1	*	0	1
	Indirect Uses-Boiler Fuel	--	*	0	0	*	0	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	10	0	*	1	*	0	--
	Process Heating	--	5	0	*	1	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	1	0	*	0	*	0	--
	Electro-Chemical Processes	--	5	--	--	--	--	--	--
	Other Process Use	--	*	0	0	0	0	0	--
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	0	--
	Facility HVAC (g)	--	*	0	*	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	0	0	*	0	*	0	--
	End Use Not Reported	1	*	0	0	0	*	0	1
3312	**Steel Products from Purchased Steel**								
	TOTAL FUEL CONSUMPTION	44	18	*	*	18	*	0	7
	Indirect Uses-Boiler Fuel	--	*	0	*	2	*	0	--
	Conventional Boiler Use	--	*	0	0	1	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	0	0	--
	Direct Uses-Total Process	--	15	*	*	13	*	0	--
	Process Heating	--	4	0	*	12	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	9	*	*	*	*	0	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	3	0	*	4	*	0	--
	Facility HVAC (g)	--	1	0	*	3	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	8	*	0	0	*	*	0	7

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
3313	**Alumina and Aluminum**								
	TOTAL FUEL CONSUMPTION	219	116	*	2	96	1	0	5
	Indirect Uses-Boiler Fuel	--	*	*	*	13	*	0	--
	Conventional Boiler Use	--	*	*	*	W	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	W	0	0	--
	Direct Uses-Total Process	--	112	*	1	78	*	0	--
	Process Heating	--	4	*	*	73	*	0	--
	Process Cooling and Refrigeration	--	1	0	*	*	0	0	--
	Machine Drive	--	17	0	*	5	*	0	--
	Electro-Chemical Processes	--	90	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	4	0	1	5	*	0	--
	Facility HVAC (g)	--	2	0	*	4	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	1	0	0	1	*	0	--
	Onsite Transportation	--	*	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	5	*	0	*	*	*	0	5
331314	**Secondary Smelting and Alloying of Aluminum**								
	TOTAL FUEL CONSUMPTION	24	9	*	*	14	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	0	1	0	0	--
	Conventional Boiler Use	--	*	0	0	0	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	1	0	0	--
	Direct Uses-Total Process	--	9	*	*	13	*	0	--
	Process Heating	--	1	*	*	13	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
	Machine Drive	--	1	0	*	0	*	0	--
	Electro-Chemical Processes	--	7	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	*	0	*	*	*	0	--
	Facility HVAC (g)	--	*	0	*	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	0	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	*	*	0	*	*	*	0	*
331315	**Aluminum Sheet, Plate and Foils**								
	TOTAL FUEL CONSUMPTION	57	14	*	*	40	*	0	2
	Indirect Uses-Boiler Fuel	--	*	*	0	W	0	0	--
	Conventional Boiler Use	--	*	*	0	1	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	W	0	0	--
	Direct Uses-Total Process	--	13	*	*	37	*	0	--
	Process Heating	--	2	*	0	37	*	0	--
	Process Cooling and Refrigeration	--	*	0	*	*	0	0	--
	Machine Drive	--	10	0	*	0	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	W	*	0	--
	Facility HVAC (g)	--	1	0	*	W	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	0	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	0	0	--

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	End Use Not Reported	2	*	0	0	*	*	0	2
331316	**Aluminum Extruded Products**								
	TOTAL FUEL CONSUMPTION	16	5	0	*	11	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	0	W	*	0	--
	Conventional Boiler Use	--	*	0	0	W	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	W	0	0	--
	Direct Uses-Total Process	--	4	0	*	W	*	0	--
	Process Heating	--	1	0	0	W	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
	Machine Drive	--	3	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	1	*	0	--
	Facility HVAC (g)	--	*	0	*	1	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	*	0	0	0	0	*	0	*
3314	**Nonferrous Metals, except Aluminum**								
	TOTAL FUEL CONSUMPTION	123	45	*	*	51	1	0	25
	Indirect Uses-Boiler Fuel	--	*	0	*	9	*	0	--
	Conventional Boiler Use	--	*	0	*	4	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	5	*	0	--
	Direct Uses-Total Process	--	41	0	*	37	1	0	--
	Process Heating	--	17	0	*	33	1	0	--
	Process Cooling and Refrigeration	--	1	0	*	*	*	0	--
	Machine Drive	--	11	0	*	*	*	0	--
	Electro-Chemical Processes	--	6	--	--	--	--	--	--
	Other Process Use	--	6	0	*	3	*	0	--
	Direct Uses-Total Nonprocess	--	4	*	*	4	*	0	--
	Facility HVAC (g)	--	2	*	*	4	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	26	*	0	0	Q	*	0	25
331419	**Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum**								
	TOTAL FUEL CONSUMPTION	59	25	0	*	12	*	0	22
	Indirect Uses-Boiler Fuel	--	*	0	*	1	0	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	0	0	--
	Direct Uses-Total Process	--	24	0	*	11	*	0	--
	Process Heating	--	12	0	*	8	*	0	--
	Process Cooling and Refrigeration	--	1	0	0	*	*	0	--
	Machine Drive	--	2	0	*	0	*	0	--
	Electro-Chemical Processes	--	4	--	--	--	--	--	--
	Other Process Use	--	5	0	*	3	*	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	*	*	0	--
	Facility HVAC (g)	--	*	0	*	*	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	22	*	0	0	*	*	0	22
3315	**Foundries**								
	TOTAL FUEL CONSUMPTION	97	38	0	1	46	1	0	11
	Indirect Uses-Boiler Fuel	--	*	0	*	1	*	0	--
	Conventional Boiler Use	--	*	0	*	1	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	1	*	0	--
	Direct Uses-Total Process	--	31	0	*	34	*	0	--
	Process Heating	--	17	0	*	32	*	0	--
	Process Cooling and Refrigeration	--	1	0	*	*	0	0	--
	Machine Drive	--	11	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	2	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	7	0	1	10	*	0	--
	Facility HVAC (g)	--	4	0	*	9	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	1	*	0	--
	Onsite Transportation	--	*	--	1	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	12	*	0	0	*	*	0	11
331511	**Iron Foundries**								
	TOTAL FUEL CONSUMPTION	45	19	0	*	14	*	0	11
	Indirect Uses-Boiler Fuel	--	*	0	*	*	*	0	--
	Conventional Boiler Use	--	*	0	*	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	*	*	0	0	--
	Direct Uses-Total Process	--	15	0	*	9	*	0	--
	Process Heating	--	10	0	*	8	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	5	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	4	0	*	5	*	0	--
	Facility HVAC (g)	--	2	0	*	4	*	0	--
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	*	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	11	*	0	0	0	*	0	11
331521	**Aluminum Die-Casting Foundries**								
	TOTAL FUEL CONSUMPTION	16	4	0	*	11	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	0	*	*	0	--
	Conventional Boiler Use	--	*	0	0	*	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	*	0	--
	Direct Uses-Total Process	--	3	0	*	9	*	0	--
	Process Heating	--	1	0	0	8	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	2	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	0	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	2	*	0	--
	Facility HVAC (g)	--	*	0	*	2	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--

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NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	*	*	0	0	*	*	0	*
331524	**Aluminum Foundries, except Die-Casting**								
	TOTAL FUEL CONSUMPTION	11	3	0	*	8	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	0	*	*	0	--
	Conventional Boiler Use	--	*	0	0	*	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	*	0	0	--
	Direct Uses-Total Process	--	2	0	*	7	*	0	--
	Process Heating	--	1	0	*	6	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	*	0	0	--
	Machine Drive	--	1	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	*	0	--
	Direct Uses-Total Nonprocess	--	1	0	*	1	*	0	--
	Facility HVAC (g)	--	*	0	*	1	*	0	--
	Facility Lighting	--	*	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	0	0	*	0	*	0	--
	End Use Not Reported	*	*	0	0	*	*	0	*
332	**FABRICATED METAL PRODUCTS**								
	TOTAL FUEL CONSUMPTION	301	127	*	3	163	5	Q	Q
	Indirect Uses-Boiler Fuel	--	*	0	*	21	*	0	--
	Conventional Boiler Use	--	*	0	0	11	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	10	*	0	--
	Direct Uses-Total Process	--	89	0	*	94	1	0	--
	Process Heating	--	27	0	*	92	1	0	--
	Process Cooling and Refrigeration	--	4	0	0	*	*	0	--
	Machine Drive	--	52	0	*	1	*	0	--
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--
	Other Process Use	--	3	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	29	0	2	30	4	Q	--
	Facility HVAC (g)	--	12	0	Q	29	1	Q	--
	Facility Lighting	--	14	--	--	--	--	--	--
	Other Facility Support	--	3	0	*	2	*	0	--
	Onsite Transportation	--	*	--	1	*	3	--	--
	Conventional Electricity Generation	--	--	0	*	*	*	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	Q	8	*	*	Q	*	0	Q
333	**MACHINERY**								
	TOTAL FUEL CONSUMPTION	148	70	*	3	71	2	0	1
	Indirect Uses-Boiler Fuel	--	Q	*	*	6	*	0	--
	Conventional Boiler Use	--	Q	0	0	3	*	0	--
	CHP and/or Cogeneration Process	--	0	*	*	3	0	0	--
	Direct Uses-Total Process	--	40	0	3	30	1	0	--
	Process Heating	--	8	0	*	28	*	0	--
	Process Cooling and Refrigeration	--	2	0	0	*	0	0	--
	Machine Drive	--	28	0	Q	1	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	2	0	2	Q	*	0	--
	Direct Uses-Total Nonprocess	--	28	0	1	35	1	0	--
	Facility HVAC (g)	--	14	0	*	33	*	0	--
	Facility Lighting	--	10	--	--	--	--	--	--
	Other Facility Support	--	3	0	*	1	*	0	--

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	Onsite Transportation	--	*	--	*	*	1	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	Q	0	*	*	*	0	--
	End Use Not Reported	3	1	0	0	Q	*	0	1
334	**COMPUTER AND ELECTRONIC PRODUCTS**								
	TOTAL FUEL CONSUMPTION	144	101	*	*	42	*	0	*
	Indirect Uses-Boiler Fuel	--	1	*	*	14	0	0	--
	Conventional Boiler Use	--	1	0	*	12	0	0	--
	CHP and/or Cogeneration Process	--	0	*	*	3	0	0	--
	Direct Uses-Total Process	--	48	0	*	6	*	0	--
	Process Heating	--	10	0	*	5	*	0	--
	Process Cooling and Refrigeration	--	9	0	0	0	0	0	--
	Machine Drive	--	23	0	*	*	*	0	--
	Electro-Chemical Processes	--	2	--	--	--	--	--	--
	Other Process Use	--	5	0	*	1	0	0	--
	Direct Uses-Total Nonprocess	--	48	*	*	19	*	0	--
	Facility HVAC (g)	--	30	*	*	18	*	0	--
	Facility Lighting	--	12	--	--	--	--	--	--
	Other Facility Support	--	5	0	*	1	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	1	0	*	*	*	0	--
	End Use Not Reported	6	4	0	0	3	*	0	*
334413	**Semiconductors and Related Devices**								
	TOTAL FUEL CONSUMPTION	57	37	*	*	20	*	0	*
	Indirect Uses-Boiler Fuel	--	*	0	*	9	0	0	--
	Conventional Boiler Use	--	*	0	*	8	0	0	--
	CHP and/or Cogeneration Process	--	0	0	0	1	0	0	--
	Direct Uses-Total Process	--	22	0	*	3	*	0	--
	Process Heating	--	4	0	0	2	*	0	--
	Process Cooling and Refrigeration	--	4	0	0	0	0	0	--
	Machine Drive	--	9	0	*	*	*	0	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	4	0	*	1	0	0	--
	Direct Uses-Total Nonprocess	--	12	*	*	6	*	0	--
	Facility HVAC (g)	--	9	*	*	5	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	*	*	0	--
	Onsite Transportation	--	0	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	1	0	*	*	*	0	--
	End Use Not Reported	5	3	0	0	3	*	0	*
335	**ELEC. EQUIP., APPLIANCES, COMPONENTS**								
	TOTAL FUEL CONSUMPTION	74	36	*	1	36	1	0	*
	Indirect Uses-Boiler Fuel	--	*	*	*	6	*	0	--
	Conventional Boiler Use	--	*	*	*	4	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	3	*	0	--
	Direct Uses-Total Process	--	24	*	*	20	*	0	--
	Process Heating	--	5	0	*	19	*	0	--
	Process Cooling and Refrigeration	--	2	0	0	*	0	0	--
	Machine Drive	--	14	*	*	*	*	0	--
	Electro-Chemical Processes	--	2	--	--	--	--	--	--
	Other Process Use	--	1	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	12	0	1	8	1	0	--
	Facility HVAC (g)	--	6	0	*	8	*	0	--
	Facility Lighting	--	4	--	--	--	--	--	--

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Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Other Facility Support	--	2	0	*	1	*	0	--
	Onsite Transportation	--	*	--	*	0	1	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	1	*	0	0	1	*	0	*
336	**TRANSPORTATION EQUIPMENT**								
	TOTAL FUEL CONSUMPTION	275	132	2	3	127	3	3	5
	Indirect Uses-Boiler Fuel	--	1	2	*	30	*	3	--
	Conventional Boiler Use	--	1	2	*	13	*	3	--
	CHP and/or Cogeneration Process	--	0	0	*	16	*	0	--
	Direct Uses-Total Process	--	76	*	1	52	1	0	--
	Process Heating	--	14	*	*	43	*	0	--
	Process Cooling and Refrigeration	--	6	*	*	*	0	0	--
	Machine Drive	--	48	0	Q	*	Q	0	--
	Electro-Chemical Processes	--	3	--	--	--	--	--	--
	Other Process Use	--	5	0	*	8	*	0	--
	Direct Uses-Total Nonprocess	--	51	*	1	44	2	0	--
	Facility HVAC (g)	--	25	*	*	41	*	0	--
	Facility Lighting	--	19	--	--	--	--	--	--
	Other Facility Support	--	5	*	*	3	*	0	--
	Onsite Transportation	--	1	--	1	*	1	--	--
	Conventional Electricity Generation	--	--	0	*	1	0	0	--
	Other Nonprocess Use	--	1	0	*	*	*	0	--
	End Use Not Reported	12	5	1	*	1	*	0	5
336111	**Automobiles**								
	TOTAL FUEL CONSUMPTION	28	10	0	*	15	*	1	1
	Indirect Uses-Boiler Fuel	--	*	0	*	3	*	1	--
	Conventional Boiler Use	--	*	0	*	2	*	1	--
	CHP and/or Cogeneration Process	--	0	0	0	1	0	0	--
	Direct Uses-Total Process	--	6	0	*	8	*	0	--
	Process Heating	--	1	0	0	8	0	0	--
	Process Cooling and Refrigeration	--	1	0	0	0	0	0	--
	Machine Drive	--	4	0	*	0	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	4	0	*	4	*	0	--
	Facility HVAC (g)	--	2	0	0	3	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	1	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	1	0	0	0	0	0	0	1
336112	**Light Trucks and Utility Vehicles**								
	TOTAL FUEL CONSUMPTION	38	12	0	*	23	*	1	1
	Indirect Uses-Boiler Fuel	--	*	0	*	5	0	1	--
	Conventional Boiler Use	--	*	0	0	2	0	1	--
	CHP and/or Cogeneration Process	--	0	0	*	3	0	0	--
	Direct Uses-Total Process	--	8	0	*	12	*	0	--
	Process Heating	--	1	0	0	11	0	0	--
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--
	Machine Drive	--	5	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	1	0	*	1	*	0	--
	Direct Uses-Total Nonprocess	--	4	0	*	6	*	0	--
	Facility HVAC (g)	--	2	0	0	5	*	0	--

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Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Facility Lighting	--	1	--	--	--	--	--	--
	Other Facility Support	--	*	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	*	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	1	0	0	0	0	0	0	1
3364	**Aerospace Products**								
	TOTAL FUEL CONSUMPTION	67	32	1	1	30	*	*	2
	Indirect Uses-Boiler Fuel	--	*	*	*	14	*	*	--
	Conventional Boiler Use	--	*	*	*	7	*	*	--
	CHP and/or Cogeneration Process	--	0	0	*	7	*	0	--
	Direct Uses-Total Process	--	15	*	*	5	*	0	--
	Process Heating	--	4	*	*	5	*	0	--
	Process Cooling and Refrigeration	--	2	*	*	*	0	0	--
	Machine Drive	--	7	0	*	*	*	0	--
	Electro-Chemical Processes	--	1	--	--	--	--	--	--
	Other Process Use	--	1	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	17	*	*	10	*	0	--
	Facility HVAC (g)	--	9	*	*	9	*	0	--
	Facility Lighting	--	6	--	--	--	--	--	--
	Other Facility Support	--	2	*	*	1	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	Q	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	4	1	1	0	*	*	0	2
336411	**Aircraft**								
	TOTAL FUEL CONSUMPTION	19	9	*	*	10	*	0	*
	Indirect Uses-Boiler Fuel	--	*	*	*	5	*	0	--
	Conventional Boiler Use	--	*	*	*	3	*	0	--
	CHP and/or Cogeneration Process	--	0	0	0	2	0	0	--
	Direct Uses-Total Process	--	3	*	*	1	*	0	--
	Process Heating	--	*	*	*	1	*	0	--
	Process Cooling and Refrigeration	--	1	*	0	*	0	0	--
	Machine Drive	--	1	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	6	*	*	4	*	0	--
	Facility HVAC (g)	--	3	*	*	3	*	0	--
	Facility Lighting	--	2	--	--	--	--	--	--
	Other Facility Support	--	*	*	0	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	1	1	0	0	0	*	0	*
337	**FURNITURE AND RELATED PRODUCTS**								
	TOTAL FUEL CONSUMPTION	36	17	0	*	13	1	Q	4
	Indirect Uses-Boiler Fuel	--	*	0	0	1	0	*	--
	Conventional Boiler Use	--	*	0	0	*	0	*	--
	CHP and/or Cogeneration Process	--	0	0	0	1	0	0	--
	Direct Uses-Total Process	--	9	0	*	5	*	0	--
	Process Heating	--	1	0	*	5	*	0	--
	Process Cooling and Refrigeration	--	*	0	0	0	0	0	--
	Machine Drive	--	8	0	*	*	*	0	--
	Electro-Chemical Processes	--	*	--	--	--	--	--	--
	Other Process Use	--	*	0	0	*	0	0	--
	Direct Uses-Total Nonprocess	--	7	0	*	6	1	*	--

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Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)
	Facility HVAC (g)	--	3	0	*	6	*	*	--
	Facility Lighting	--	3	--	--	--	--	--	--
	Other Facility Support	--	1	0	0	*	*	0	--
	Onsite Transportation	--	*	--	*	*	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	0	*	0	--
	End Use Not Reported	5	1	0	*	*	*	0	4
339	**MISCELLANEOUS**								
	TOTAL FUEL CONSUMPTION	43	26	*	1	16	*	*	*
	Indirect Uses-Boiler Fuel	--	*	0	*	5	*	0	--
	Conventional Boiler Use	--	*	0	*	3	0	0	--
	CHP and/or Cogeneration Process	--	0	0	*	3	*	0	--
	Direct Uses-Total Process	--	14	0	*	5	*	0	--
	Process Heating	--	3	0	*	4	*	0	--
	Process Cooling and Refrigeration	--	1	0	0	*	0	0	--
	Machine Drive	--	8	0	*	*	*	0	--
	Electro-Chemical Processes	--	Q	--	--	--	--	--	--
	Other Process Use	--	1	0	*	*	*	0	--
	Direct Uses-Total Nonprocess	--	12	*	*	6	*	*	--
	Facility HVAC (g)	--	7	*	*	6	*	*	--
	Facility Lighting	--	4	--	--	--	--	--	--
	Other Facility Support	--	1	0	*	*	*	0	--
	Onsite Transportation	--	*	--	*	0	*	--	--
	Conventional Electricity Generation	--	--	0	*	0	0	0	--
	Other Nonprocess Use	--	*	0	*	*	*	0	--
	End Use Not Reported	*	*	0	0	*	*	0	*

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

(b) '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).

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

(d) '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.

(e) Examples of Liquefied Petroleum Gases '(LPG)' are 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).'

(f) '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.

(g) Facility Heating, Ventilation, and Air Conditioning '(Facility HVAC)' excludes steam and hot water.

NF=No applicable RSE row/column factor.
* Estimate less than 0.5.
W=Withheld to avoid disclosing data for individual establishments.
Q=Withheld because Relative Standard Error is greater than 50 percent.
NA=Not available.
-- Estimation is not applicable.
S=Negative value.

Notes: Totals may not equal sum of components because of independent rounding. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced

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Table 5.2 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Total	Net Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)	Other(f)

onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells.
Allocations to specific end uses are made on the basis of reasonable approximations by respondents.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey.'

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Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
		Total United States					
311 - 339	**ALL MANUFACTURING INDUSTRIES**						
	TOTAL FUEL CONSUMPTION	845,727	13	22	5,064	18	39
	Indirect Uses-Boiler Fuel	12,979	7	3	2,074	3	26
	Conventional Boiler Use	12,979	3	1	712	1	3
	CHP and/or Cogeneration Process	--	4	3	1,362	2	23
	Direct Uses-Total Process	675,152	4	9	2,549	7	13
	Process Heating	93,261	4	2	2,295	6	13
	Process Cooling and Refrigeration	60,966	*	*	24	*	0
	Machine Drive	426,121	*	5	116	1	*
	Electro-Chemical Processes	77,146	--	--	--	--	--
	Other Process Use	17,659	*	2	113	*	*
	Direct Uses-Total Nonprocess	140,402	1	9	358	7	*
	Facility HVAC (g)	69,090	*	1	297	1	*
	Facility Lighting	51,946	--	--	--	--	--
	Other Facility Support	14,925	*	*	35	1	*
	Onsite Transportation	1,442	--	7	1	5	--
	Conventional Electricity Generation	--	*	1	18	*	*
	Other Nonprocess Use	2,999	*	1	7	*	*
	End Use Not Reported	17,194	1	1	83	1	*
311	**FOOD**						
	TOTAL FUEL CONSUMPTION	80,993	2	4	563	1	8
	Indirect Uses-Boiler Fuel	2,712	2	*	325	*	7
	Conventional Boiler Use	2,712	1	*	160	*	1
	CHP and/or Cogeneration Process	--	1	*	165	*	6
	Direct Uses-Total Process	62,233	*	1	183	*	1
	Process Heating	3,484	*	Q	170	*	1
	Process Cooling and Refrigeration	21,821	0	*	2	*	0
	Machine Drive	36,373	*	*	4	*	*
	Electro-Chemical Processes	159	--	--	--	--	--
	Other Process Use	395	*	*	7	*	*
	Direct Uses-Total Nonprocess	14,679	*	2	49	1	*
	Facility HVAC (g)	6,192	*	*	32	*	*
	Facility Lighting	6,082	--	--	--	--	--
	Other Facility Support	1,766	*	*	15	*	*
	Onsite Transportation	215	--	1	*	*	--
	Conventional Electricity Generation	--	*	*	*	*	*
	Other Nonprocess Use	423	0	*	1	*	0
	End Use Not Reported	1,369	*	*	6	*	*
3112	**Grain and Oilseed Milling**						
	TOTAL FUEL CONSUMPTION	19,972	*	*	118	*	6
	Indirect Uses-Boiler Fuel	943	*	*	68	*	5

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Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
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Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Conventional Boiler Use	943	*	*	37	*	1
	CHP and/or Cogeneration Process	--	*	*	31	0	4
	Direct Uses-Total Process	16,642	*	*	45	*	*
	Process Heating	232	*	0	43	*	*
	Process Cooling and Refrigeration	2,070	0	0	*	0	0
	Machine Drive	14,297	*	*	1	*	*
	Electro-Chemical Processes	Q	--	--	--	--	--
	Other Process Use	34	0	*	1	0	*
	Direct Uses-Total Nonprocess	2,116	*	*	3	*	*
	Facility HVAC (g)	848	*	*	2	*	*
	Facility Lighting	1,022	--	--	--	--	--
	Other Facility Support	188	0	*	1	*	*
	Onsite Transportation	30	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	*	*
	Other Nonprocess Use	28	0	*	*	*	0
	End Use Not Reported	Q	0	*	1	*	*
311221	**Wet Corn Milling**						
	TOTAL FUEL CONSUMPTION	10,680	*	*	51	*	5
	Indirect Uses-Boiler Fuel	732	0	*	22	0	5
	Conventional Boiler Use	732	0	0	14	0	1
	CHP and/or Cogeneration Process	--	0	*	8	0	4
	Direct Uses-Total Process	9,100	*	*	29	*	*
	Process Heating	3	*	0	28	*	*
	Process Cooling and Refrigeration	1,539	0	0	0	0	0
	Machine Drive	7,554	*	*	*	*	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	4	0	*	0	0	0
	Direct Uses-Total Nonprocess	848	*	*	1	*	0
	Facility HVAC (g)	332	*	*	*	*	0
	Facility Lighting	462	--	--	--	--	--
	Other Facility Support	45	0	*	*	*	0
	Onsite Transportation	9	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	0	0	*	0	0	0
	End Use Not Reported	0	0	0	0	*	0
31131	**Sugar**						
	TOTAL FUEL CONSUMPTION	2,537	*	*	15	*	2
	Indirect Uses-Boiler Fuel	307	*	*	12	*	2
	Conventional Boiler Use	307	*	0	3	*	*
	CHP and/or Cogeneration Process	--	*	*	9	*	2
	Direct Uses-Total Process	1,839	0	*	3	*	*
	Process Heating	26	0	0	3	0	*
	Process Cooling and Refrigeration	42	0	0	0	0	0
	Machine Drive	1,767	0	*	*	*	0
	Electro-Chemical Processes	2	--	--	--	--	--

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Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Other Process Use	2	0	*	0	0	0
	Direct Uses-Total Nonprocess	392	*	*	*	*	*
	Facility HVAC (g)	107	0	0	*	*	*
	Facility Lighting	139	--	--	--	--	--
	Other Facility Support	28	*	*	*	*	*
	Onsite Transportation	1	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	117	0	*	0	*	0
	End Use Not Reported	0	0	*	0	*	0
3114	**Fruit and Vegetable Preserving and Specialty Foods**						
	TOTAL FUEL CONSUMPTION	9,528	*	Q	97	*	*
	Indirect Uses-Boiler Fuel	196	*	*	65	*	*
	Conventional Boiler Use	196	*	*	33	*	*
	CHP and/or Cogeneration Process	--	*	*	31	*	*
	Direct Uses-Total Process	7,275	*	Q	22	*	0
	Process Heating	321	*	*	21	*	0
	Process Cooling and Refrigeration	3,637	0	*	*	*	0
	Machine Drive	3,271	0	*	*	*	0
	Electro-Chemical Processes	10	--	--	--	--	--
	Other Process Use	36	0	*	1	*	0
	Direct Uses-Total Nonprocess	1,912	*	*	9	*	0
	Facility HVAC (g)	738	*	*	7	*	0
	Facility Lighting	883	--	--	--	--	--
	Other Facility Support	207	0	*	1	*	0
	Onsite Transportation	56	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	27	0	*	*	*	0
	End Use Not Reported	146	0	*	1	*	0
3115	**Dairy Products**						
	TOTAL FUEL CONSUMPTION	9,602	*	*	65	*	*
	Indirect Uses-Boiler Fuel	199	*	*	40	*	*
	Conventional Boiler Use	199	*	*	17	*	*
	CHP and/or Cogeneration Process	--	*	*	23	*	0
	Direct Uses-Total Process	7,450	*	*	19	*	0
	Process Heating	401	*	*	16	*	0
	Process Cooling and Refrigeration	3,442	0	*	*	0	0
	Machine Drive	3,507	0	*	1	*	0
	Electro-Chemical Processes	26	--	--	--	--	--
	Other Process Use	75	*	*	1	*	0
	Direct Uses-Total Nonprocess	1,700	*	*	5	*	0
	Facility HVAC (g)	719	*	*	3	*	0
	Facility Lighting	715	--	--	--	--	--
	Other Facility Support	210	0	*	1	*	0
	Onsite Transportation	27	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0

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Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Other Nonprocess Use	29	0	*	*	*	0
	End Use Not Reported	253	*	*	2	*	0
3116	**Animal Slaughtering and Processing**						
	TOTAL FUEL CONSUMPTION	20,155	1	1	122	*	*
	Indirect Uses-Boiler Fuel	633	1	*	78	*	0
	Conventional Boiler Use	633	*	*	43	*	0
	CHP and/or Cogeneration Process	--	*	*	34	*	0
	Direct Uses-Total Process	15,527	*	*	28	*	*
	Process Heating	990	*	*	24	*	*
	Process Cooling and Refrigeration	8,526	0	*	1	*	0
	Machine Drive	5,736	0	*	1	*	0
	Electro-Chemical Processes	83	--	--	--	--	--
	Other Process Use	192	0	*	1	*	0
	Direct Uses-Total Nonprocess	3,681	*	*	15	*	0
	Facility HVAC (g)	1,505	*	*	9	*	0
	Facility Lighting	1,654	--	--	--	--	--
	Other Facility Support	453	*	*	6	*	0
	Onsite Transportation	36	--	*	*	*	--
	Conventional Electricity Generation	--	*	*	*	0	0
	Other Nonprocess Use	33	0	*	*	*	0
	End Use Not Reported	313	*	*	1	*	0
312	**BEVERAGE AND TOBACCO PRODUCTS**						
	TOTAL FUEL CONSUMPTION	8,694	*	*	37	*	*
	Indirect Uses-Boiler Fuel	166	*	*	24	*	*
	Conventional Boiler Use	166	*	*	9	*	*
	CHP and/or Cogeneration Process	--	*	*	15	*	*
	Direct Uses-Total Process	5,918	*	*	9	*	*
	Process Heating	483	*	*	8	*	*
	Process Cooling and Refrigeration	2,296	0	0	*	*	0
	Machine Drive	2,980	0	*	*	*	*
	Electro-Chemical Processes	24	--	--	--	--	--
	Other Process Use	135	0	*	*	0	*
	Direct Uses-Total Nonprocess	1,871	*	*	4	*	*
	Facility HVAC (g)	876	*	*	3	*	*
	Facility Lighting	719	--	--	--	--	--
	Other Facility Support	190	0	*	*	*	*
	Onsite Transportation	34	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	*
	Other Nonprocess Use	51	0	*	*	*	*
	End Use Not Reported	739	0	*	*	*	0
3121	**Beverages**						
	TOTAL FUEL CONSUMPTION	7,684	*	*	33	*	*

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Next MECS will be fielded in 2015

Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Indirect Uses-Boiler Fuel	152	*	*	21	*	*
	Conventional Boiler Use	152	*	*	8	*	*
	CHP and/or Cogeneration Process	--	*	*	13	*	*
	Direct Uses-Total Process	5,267	*	*	9	*	*
	Process Heating	352	*	*	8	*	*
	Process Cooling and Refrigeration	2,166	0	0	*	*	0
	Machine Drive	2,597	0	*	*	*	*
	Electro-Chemical Processes	24	--	--	--	--	--
	Other Process Use	128	0	*	*	0	*
	Direct Uses-Total Nonprocess	1,525	*	*	4	*	*
	Facility HVAC (g)	676	*	*	3	*	*
	Facility Lighting	630	--	--	--	--	--
	Other Facility Support	136	0	*	*	*	*
	Onsite Transportation	33	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	*
	Other Nonprocess Use	51	0	*	*	*	*
	End Use Not Reported	739	0	*	*	*	0
3122	**Tobacco**						
	TOTAL FUEL CONSUMPTION	1,011	*	*	4	*	*
	Indirect Uses-Boiler Fuel	14	*	*	3	*	*
	Conventional Boiler Use	14	*	*	1	*	*
	CHP and/or Cogeneration Process	--	0	*	2	*	*
	Direct Uses-Total Process	651	*	*	*	*	0
	Process Heating	131	*	*	*	*	0
	Process Cooling and Refrigeration	131	0	0	*	0	0
	Machine Drive	382	0	0	*	*	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	7	0	0	*	0	0
	Direct Uses-Total Nonprocess	346	*	*	*	*	0
	Facility HVAC (g)	200	*	*	*	*	0
	Facility Lighting	89	--	--	--	--	--
	Other Facility Support	55	0	0	*	0	0
	Onsite Transportation	2	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	0	0	0	0	0	0
313	**TEXTILE MILLS**						
	TOTAL FUEL CONSUMPTION	13,333	*	*	31	*	*
	Indirect Uses-Boiler Fuel	177	*	*	17	*	*
	Conventional Boiler Use	177	*	*	8	*	*
	CHP and/or Cogeneration Process	--	*	*	9	*	*
	Direct Uses-Total Process	9,899	*	*	11	*	*
	Process Heating	995	*	*	10	*	*
	Process Cooling and Refrigeration	1,133	0	*	0	0	0
	Machine Drive	7,224	*	*	*	*	*

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Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Electro-Chemical Processes	Q	--	--	--	--	--
	Other Process Use	Q	*	*	*	*	0
	Direct Uses-Total Nonprocess	2,911	*	*	2	*	*
	Facility HVAC (g)	1,625	*	*	2	*	*
	Facility Lighting	1,044	--	--	--	--	--
	Other Facility Support	203	0	*	*	*	0
	Onsite Transportation	Q	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	0	0	*	*	*	0
	End Use Not Reported	347	0	0	1	*	0
314	**TEXTILE PRODUCT MILLS**						
	TOTAL FUEL CONSUMPTION	2,458	*	*	9	*	*
	Indirect Uses-Boiler Fuel	27	*	*	4	*	0
	Conventional Boiler Use	27	*	*	2	*	0
	CHP and/or Cogeneration Process	--	0	0	2	*	0
	Direct Uses-Total Process	1,567	0	*	3	*	*
	Process Heating	231	0	*	3	*	*
	Process Cooling and Refrigeration	144	0	0	0	0	0
	Machine Drive	1,147	0	0	*	0	0
	Electro-Chemical Processes	23	--	--	--	--	--
	Other Process Use	22	0	0	*	0	0
	Direct Uses-Total Nonprocess	841	0	*	1	*	*
	Facility HVAC (g)	402	0	*	1	*	*
	Facility Lighting	361	--	--	--	--	--
	Other Facility Support	72	0	0	*	0	0
	Onsite Transportation	Q	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	Q	0	0	0	*	0
	End Use Not Reported	Q	0	0	*	*	0
315	**APPAREL**						
	TOTAL FUEL CONSUMPTION	1,069	0	*	2	*	0
	Indirect Uses-Boiler Fuel	Q	0	*	1	*	0
	Conventional Boiler Use	Q	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	*	*	*	0
	Direct Uses-Total Process	473	0	0	1	*	0
	Process Heating	Q	0	0	1	*	0
	Process Cooling and Refrigeration	Q	0	0	0	0	0
	Machine Drive	352	0	0	*	*	0
	Electro-Chemical Processes	Q	--	--	--	--	--
	Other Process Use	15	0	0	0	0	0
	Direct Uses-Total Nonprocess	513	0	*	1	*	0
	Facility HVAC (g)	282	0	*	1	*	0
	Facility Lighting	179	--	--	--	--	--
	Other Facility Support	52	0	*	*	0	0
	Onsite Transportation	*	--	*	0	*	--

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Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Conventional Electricity Generation	--	0	0	*	0	0
	Other Nonprocess Use	*	0	0	0	0	0
	End Use Not Reported	Q	0	0	*	*	0
316	**LEATHER AND ALLIED PRODUCTS**						
	TOTAL FUEL CONSUMPTION	243	*	*	1	*	0
	Indirect Uses-Boiler Fuel	1	0	*	*	*	0
	Conventional Boiler Use	1	0	*	*	*	0
	CHP and/or Cogeneration Process	--	0	*	*	*	0
	Direct Uses-Total Process	148	0	0	*	*	0
	Process Heating	13	0	0	*	*	0
	Process Cooling and Refrigeration	5	0	0	*	0	0
	Machine Drive	125	0	0	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	5	0	0	*	*	0
	Direct Uses-Total Nonprocess	91	0	*	*	*	0
	Facility HVAC (g)	53	0	*	*	*	0
	Facility Lighting	32	--	--	--	--	--
	Other Facility Support	5	0	*	*	0	0
	Onsite Transportation	1	--	0	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	0	0	0	0	0	0
	End Use Not Reported	3	*	0	*	*	0
321	**WOOD PRODUCTS**						
	TOTAL FUEL CONSUMPTION	16,713	*	4	33	1	*
	Indirect Uses-Boiler Fuel	422	*	*	8	*	*
	Conventional Boiler Use	422	*	*	2	*	*
	CHP and/or Cogeneration Process	--	*	*	6	*	*
	Direct Uses-Total Process	13,331	*	Q	22	*	*
	Process Heating	1,006	*	*	21	*	*
	Process Cooling and Refrigeration	206	0	0	*	*	0
	Machine Drive	11,948	0	Q	1	*	0
	Electro-Chemical Processes	77	--	--	--	--	--
	Other Process Use	94	*	*	*	*	0
	Direct Uses-Total Nonprocess	2,662	*	1	4	*	*
	Facility HVAC (g)	975	*	*	4	*	*
	Facility Lighting	1,247	--	--	--	--	--
	Other Facility Support	285	*	*	*	*	0
	Onsite Transportation	16	--	1	*	*	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	139	0	*	*	*	0
	End Use Not Reported	298	*	*	*	*	0
321113	**Sawmills**						

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Next MECS will be fielded in 2015

Table 5.3 End Uses of Fuel Consumption, 2010;

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Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	TOTAL FUEL CONSUMPTION	5,441	*	Q	5	*	0
	Indirect Uses-Boiler Fuel	173	*	*	1	*	0
	Conventional Boiler Use	173	0	*	*	*	0
	CHP and/or Cogeneration Process	--	*	*	1	*	0
	Direct Uses-Total Process	4,514	*	Q	4	*	0
	Process Heating	359	*	*	4	*	0
	Process Cooling and Refrigeration	66	0	0	*	*	0
	Machine Drive	4,086	0	Q	*	*	0
	Electro-Chemical Processes	1	--	--	--	--	--
	Other Process Use	2	*	*	*	*	0
	Direct Uses-Total Nonprocess	702	*	*	*	*	0
	Facility HVAC (g)	228	*	*	*	*	0
	Facility Lighting	365	--	--	--	--	--
	Other Facility Support	77	0	0	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	31	0	*	0	*	0
	End Use Not Reported	52	*	*	*	*	0
3212	**Veneer, Plywood, and Engineered Woods**						
	TOTAL FUEL CONSUMPTION	6,426	*	*	18	*	*
	Indirect Uses-Boiler Fuel	147	*	*	3	*	*
	Conventional Boiler Use	147	*	*	1	*	*
	CHP and/or Cogeneration Process	--	0	*	3	*	*
	Direct Uses-Total Process	5,229	*	*	14	*	*
	Process Heating	335	*	*	13	*	*
	Process Cooling and Refrigeration	103	0	0	*	0	0
	Machine Drive	4,697	0	*	1	*	0
	Electro-Chemical Processes	64	--	--	--	--	--
	Other Process Use	29	0	*	*	0	0
	Direct Uses-Total Nonprocess	876	0	*	1	*	*
	Facility HVAC (g)	357	0	*	1	*	*
	Facility Lighting	391	--	--	--	--	--
	Other Facility Support	95	0	*	*	*	0
	Onsite Transportation	7	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	26	0	*	*	*	0
	End Use Not Reported	174	0	*	*	*	0
321219	**Reconstituted Wood Products**						
	TOTAL FUEL CONSUMPTION	4,104	*	*	14	*	*
	Indirect Uses-Boiler Fuel	87	*	*	3	*	*
	Conventional Boiler Use	87	*	*	*	*	*
	CHP and/or Cogeneration Process	--	0	*	2	0	*
	Direct Uses-Total Process	3,373	*	*	11	*	*
	Process Heating	229	*	*	10	*	*
	Process Cooling and Refrigeration	79	0	0	*	0	0

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Level: National Data;
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Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Machine Drive	2,993	0	*	*	*	0
	Electro-Chemical Processes	61	--	--	--	--	--
	Other Process Use	10	0	*	*	0	0
	Direct Uses-Total Nonprocess	516	0	*	1	*	0
	Facility HVAC (g)	216	0	*	1	*	0
	Facility Lighting	220	--	--	--	--	--
	Other Facility Support	52	0	0	*	*	0
	Onsite Transportation	5	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	22	0	*	0	*	0
	End Use Not Reported	127	0	0	*	*	0
3219	**Other Wood Products**						
	TOTAL FUEL CONSUMPTION	4,447	*	1	7	*	*
	Indirect Uses-Boiler Fuel	92	0	*	2	*	0
	Conventional Boiler Use	92	0	*	1	*	0
	CHP and/or Cogeneration Process	--	0	*	1	*	0
	Direct Uses-Total Process	3,268	0	*	3	*	*
	Process Heating	264	0	*	3	*	*
	Process Cooling and Refrigeration	34	0	0	0	0	0
	Machine Drive	2,895	0	*	*	*	0
	Electro-Chemical Processes	Q	--	--	--	--	--
	Other Process Use	62	0	*	*	0	0
	Direct Uses-Total Nonprocess	1,016	*	1	2	*	0
	Facility HVAC (g)	360	*	*	2	*	0
	Facility Lighting	460	--	--	--	--	--
	Other Facility Support	106	0	*	*	*	0
	Onsite Transportation	9	--	1	0	*	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	81	0	*	*	*	0
	End Use Not Reported	71	*	*	*	*	0
322	**PAPER**						
	TOTAL FUEL CONSUMPTION	103,528	6	1	387	1	9
	Indirect Uses-Boiler Fuel	4,693	4	*	234	*	9
	Conventional Boiler Use	4,693	1	*	49	*	*
	CHP and/or Cogeneration Process	--	3	*	184	*	9
	Direct Uses-Total Process	84,903	2	*	129	*	*
	Process Heating	2,643	2	*	117	*	*
	Process Cooling and Refrigeration	1,503	0	0	*	0	0
	Machine Drive	77,182	*	*	10	*	*
	Electro-Chemical Processes	677	--	--	--	--	--
	Other Process Use	2,898	0	*	2	*	*
	Direct Uses-Total Nonprocess	8,811	*	*	17	1	*
	Facility HVAC (g)	4,035	*	*	14	*	*
	Facility Lighting	3,765	--	--	--	--	--
	Other Facility Support	769	0	*	1	*	0

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Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Onsite Transportation	144	--	*	*	1	--
	Conventional Electricity Generation	--	*	*	2	0	*
	Other Nonprocess Use	99	*	*	*	*	0
	End Use Not Reported	5,121	*	*	8	*	0
322110	**Pulp Mills**						
	TOTAL FUEL CONSUMPTION	6,979	1	*	19	*	*
	Indirect Uses-Boiler Fuel	1,115	1	*	10	*	*
	Conventional Boiler Use	1,115	0	0	1	0	0
	CHP and/or Cogeneration Process	--	1	*	9	*	*
	Direct Uses-Total Process	5,299	*	*	8	*	0
	Process Heating	520	*	*	8	*	0
	Process Cooling and Refrigeration	123	0	0	0	0	0
	Machine Drive	4,617	0	*	*	0	0
	Electro-Chemical Processes	39	--	--	--	--	--
	Other Process Use	0	0	0	*	0	0
	Direct Uses-Total Nonprocess	565	0	*	*	*	0
	Facility HVAC (g)	244	0	0	*	*	0
	Facility Lighting	228	--	--	--	--	--
	Other Facility Support	92	0	*	*	*	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	0	0	*	0	*	0
	End Use Not Reported	0	0	0	0	*	0
322121	**Paper Mills, except Newsprint**						
	TOTAL FUEL CONSUMPTION	38,793	2	*	167	*	5
	Indirect Uses-Boiler Fuel	2,208	1	*	101	*	5
	Conventional Boiler Use	2,208	1	*	24	*	*
	CHP and/or Cogeneration Process	--	1	*	77	*	5
	Direct Uses-Total Process	30,373	1	*	58	*	*
	Process Heating	1,067	1	*	53	*	*
	Process Cooling and Refrigeration	526	0	0	0	0	0
	Machine Drive	28,505	*	*	5	*	*
	Electro-Chemical Processes	126	--	--	--	--	--
	Other Process Use	149	0	*	1	0	*
	Direct Uses-Total Nonprocess	2,897	*	*	3	*	*
	Facility HVAC (g)	1,445	*	*	3	*	*
	Facility Lighting	1,094	--	--	--	--	--
	Other Facility Support	281	0	*	*	*	0
	Onsite Transportation	64	--	*	0	*	--
	Conventional Electricity Generation	--	*	*	*	0	0
	Other Nonprocess Use	13	0	*	*	*	0
	End Use Not Reported	3,314	*	*	5	*	0
322122	**Newsprint Mills**						

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Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	TOTAL FUEL CONSUMPTION	11,980	*	*	3	*	1
	Indirect Uses-Boiler Fuel	45	*	*	1	0	1
	Conventional Boiler Use	45	*	*	1	0	*
	CHP and/or Cogeneration Process	--	*	*	*	0	1
	Direct Uses-Total Process	11,380	0	*	2	*	0
	Process Heating	21	0	0	2	*	0
	Process Cooling and Refrigeration	44	0	0	0	0	0
	Machine Drive	8,957	0	*	0	0	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	2,358	0	0	0	0	0
	Direct Uses-Total Nonprocess	555	0	*	*	*	0
	Facility HVAC (g)	315	0	0	*	*	0
	Facility Lighting	180	--	--	--	--	--
	Other Facility Support	31	0	0	0	0	0
	Onsite Transportation	9	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	21	0	*	0	*	0
	End Use Not Reported	*	0	0	0	*	0
322130	**Paperboard Mills**						
	TOTAL FUEL CONSUMPTION	33,761	2	*	138	*	3
	Indirect Uses-Boiler Fuel	1,110	1	*	94	*	3
	Conventional Boiler Use	1,110	*	*	15	*	*
	CHP and/or Cogeneration Process	--	1	*	79	*	3
	Direct Uses-Total Process	29,586	1	*	38	*	0
	Process Heating	364	1	*	33	*	0
	Process Cooling and Refrigeration	367	0	0	0	0	0
	Machine Drive	28,003	0	*	4	*	0
	Electro-Chemical Processes	480	--	--	--	--	--
	Other Process Use	372	0	0	1	0	0
	Direct Uses-Total Nonprocess	1,969	*	*	4	*	*
	Facility HVAC (g)	780	*	*	2	*	*
	Facility Lighting	1,004	--	--	--	--	--
	Other Facility Support	115	0	*	*	*	0
	Onsite Transportation	4	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	2	0	*
	Other Nonprocess Use	65	*	*	0	*	0
	End Use Not Reported	1,097	*	*	2	*	0
323	**PRINTING AND RELATED SUPPORT**						
	TOTAL FUEL CONSUMPTION	13,704	*	*	33	*	0
	Indirect Uses-Boiler Fuel	191	0	*	7	*	0
	Conventional Boiler Use	191	0	0	3	*	0
	CHP and/or Cogeneration Process	--	0	*	4	*	0
	Direct Uses-Total Process	7,837	0	*	15	*	0
	Process Heating	557	0	*	12	*	0

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Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
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Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Process Cooling and Refrigeration	682	0	0	Q	0	0
	Machine Drive	6,344	0	0	1	*	0
	Electro-Chemical Processes	75	--	--	--	--	--
	Other Process Use	179	0	0	*	*	0
	Direct Uses-Total Nonprocess	5,170	*	*	9	*	0
	Facility HVAC (g)	3,312	*	*	9	*	0
	Facility Lighting	1,271	--	--	--	--	--
	Other Facility Support	473	0	*	*	*	0
	Onsite Transportation	34	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	Q	0	*	0	*	0
	End Use Not Reported	506	0	*	Q	*	0
324	**PETROLEUM AND COAL PRODUCTS**						
	TOTAL FUEL CONSUMPTION	66,002	3	4	892	7	1
	Indirect Uses-Boiler Fuel	575	1	1	289	2	*
	Conventional Boiler Use	575	1	*	99	*	*
	CHP and/or Cogeneration Process	--	*	1	190	1	*
	Direct Uses-Total Process	59,608	2	2	551	5	*
	Process Heating	2,243	2	1	501	4	*
	Process Cooling and Refrigeration	3,018	0	*	6	*	0
	Machine Drive	53,062	0	*	16	*	0
	Electro-Chemical Processes	95	--	--	--	--	--
	Other Process Use	1,190	0	*	28	*	*
	Direct Uses-Total Nonprocess	5,009	*	1	19	*	*
	Facility HVAC (g)	2,399	*	*	3	*	*
	Facility Lighting	1,780	--	--	--	--	--
	Other Facility Support	629	0	*	1	*	0
	Onsite Transportation	8	--	1	*	*	--
	Conventional Electricity Generation	--	0	*	14	*	0
	Other Nonprocess Use	193	*	*	*	*	0
	End Use Not Reported	810	*	*	33	*	0
324110	**Petroleum Refineries**						
	TOTAL FUEL CONSUMPTION	62,528	2	2	835	7	*
	Indirect Uses-Boiler Fuel	512	1	1	278	2	*
	Conventional Boiler Use	512	1	*	95	*	*
	CHP and/or Cogeneration Process	--	*	1	182	1	0
	Direct Uses-Total Process	56,802	1	*	509	4	0
	Process Heating	1,933	1	*	462	4	0
	Process Cooling and Refrigeration	2,912	0	*	6	*	0
	Machine Drive	50,763	0	*	14	*	0
	Electro-Chemical Processes	94	--	--	--	--	--
	Other Process Use	1,101	0	*	27	*	0
	Direct Uses-Total Nonprocess	4,533	0	*	17	*	0
	Facility HVAC (g)	2,196	0	*	2	*	0
	Facility Lighting	1,565	--	--	--	--	--

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NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Other Facility Support	577	0	*	*	*	0
	Onsite Transportation	5	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	14	*	0
	Other Nonprocess Use	190	0	*	*	0	0
	End Use Not Reported	681	*	*	32	*	0
324121	**Asphalt Paving Mixture and Block**						
	TOTAL FUEL CONSUMPTION	1,720	*	2	38	*	*
	Indirect Uses-Boiler Fuel	19	*	*	5	*	0
	Conventional Boiler Use	19	*	*	2	*	0
	CHP and/or Cogeneration Process	--	0	*	3	*	0
	Direct Uses-Total Process	1,408	*	1	32	*	*
	Process Heating	165	*	1	29	*	*
	Process Cooling and Refrigeration	4	0	*	*	0	0
	Machine Drive	1,209	0	*	2	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	29	0	*	*	*	0
	Direct Uses-Total Nonprocess	163	*	1	1	*	0
	Facility HVAC (g)	78	*	*	1	*	0
	Facility Lighting	65	--	--	--	--	--
	Other Facility Support	16	0	*	*	*	0
	Onsite Transportation	2	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	2	*	*	*	*	0
	End Use Not Reported	130	*	*	Q	*	0
324199	**Other Petroleum and Coal Products**						
	TOTAL FUEL CONSUMPTION	587	*	*	5	*	*
	Indirect Uses-Boiler Fuel	10	*	0	1	0	*
	Conventional Boiler Use	10	*	0	*	0	*
	CHP and/or Cogeneration Process	--	*	0	1	0	*
	Direct Uses-Total Process	486	0	*	4	*	*
	Process Heating	96	0	*	4	*	*
	Process Cooling and Refrigeration	41	0	0	0	0	0
	Machine Drive	348	0	*	*	0	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	0	*	*
	Direct Uses-Total Nonprocess	92	0	*	*	*	*
	Facility HVAC (g)	33	0	*	*	*	*
	Facility Lighting	49	--	--	--	--	--
	Other Facility Support	10	0	0	*	*	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	*	*	*	0
	End Use Not Reported	0	0	0	0	*	0
325	**CHEMICALS**						

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NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	TOTAL FUEL CONSUMPTION	186,995	1	1	1,734	2	9
	Indirect Uses-Boiler Fuel	1,947	1	*	971	*	8
	Conventional Boiler Use	1,947	*	*	294	*	1
	CHP and/or Cogeneration Process	--	*	*	678	*	7
	Direct Uses-Total Process	165,901	*	*	729	*	1
	Process Heating	6,429	*	*	607	*	1
	Process Cooling and Refrigeration	15,402	0	*	8	*	0
	Machine Drive	102,117	*	*	66	*	0
	Electro-Chemical Processes	40,723	--	--	--	--	--
	Other Process Use	1,230	0	*	48	*	0
	Direct Uses-Total Nonprocess	18,285	*	1	31	1	*
	Facility HVAC (g)	9,579	0	*	23	*	*
	Facility Lighting	6,118	--	--	--	--	--
	Other Facility Support	2,219	0	*	4	Q	0
	Onsite Transportation	96	--	1	*	*	--
	Conventional Electricity Generation	--	0	*	1	*	0
	Other Nonprocess Use	272	*	*	2	*	0
	End Use Not Reported	862	*	*	3	*	0
325110	**Petrochemicals**						
	TOTAL FUEL CONSUMPTION	11,926	*	*	241	*	0
	Indirect Uses-Boiler Fuel	20	*	*	65	0	0
	Conventional Boiler Use	20	*	*	21	0	0
	CHP and/or Cogeneration Process	--	*	*	44	0	0
	Direct Uses-Total Process	11,503	0	*	175	*	0
	Process Heating	42	0	*	W	0	0
	Process Cooling and Refrigeration	2,365	0	0	3	*	0
	Machine Drive	8,548	0	*	W	0	0
	Electro-Chemical Processes	536	--	--	--	--	--
	Other Process Use	12	0	*	1	*	0
	Direct Uses-Total Nonprocess	394	0	*	1	*	0
	Facility HVAC (g)	192	0	0	*	0	0
	Facility Lighting	155	--	--	--	--	--
	Other Facility Support	46	0	0	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	0	0	*	1	0	0
	End Use Not Reported	9	0	*	*	*	0
325120	**Industrial Gases**						
	TOTAL FUEL CONSUMPTION	19,401	0	*	26	*	0
	Indirect Uses-Boiler Fuel	11	0	*	Q	0	0
	Conventional Boiler Use	11	0	*	2	0	0
	CHP and/or Cogeneration Process	--	0	*	Q	0	0
	Direct Uses-Total Process	18,711	0	*	11	*	0

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NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Process Heating	306	0	*	3	0	0
	Process Cooling and Refrigeration	307	0	*	*	0	0
	Machine Drive	12,166	0	*	0	*	0
	Electro-Chemical Processes	5,813	--	--	--	--	--
	Other Process Use	119	0	0	8	*	0
	Direct Uses-Total Nonprocess	513	0	*	*	*	0
	Facility HVAC (g)	352	0	*	*	0	0
	Facility Lighting	112	--	--	--	--	--
	Other Facility Support	49	0	*	0	0	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	0	0	0	0
	End Use Not Reported	166	0	*	0	*	0
325181	**Alkalies and Chlorine**						
	TOTAL FUEL CONSUMPTION	W	0	*	W	*	2
	Indirect Uses-Boiler Fuel	51	0	*	73	*	2
	Conventional Boiler Use	51	0	*	6	0	0
	CHP and/or Cogeneration Process	--	0	*	67	*	2
	Direct Uses-Total Process	19,305	0	*	W	*	*
	Process Heating	77	0	0	W	*	*
	Process Cooling and Refrigeration	408	0	0	0	0	0
	Machine Drive	3,154	0	*	W	0	0
	Electro-Chemical Processes	15,667	--	--	--	--	--
	Other Process Use	0	0	0	*	0	0
	Direct Uses-Total Nonprocess	W	0	*	*	*	0
	Facility HVAC (g)	223	0	*	*	*	0
	Facility Lighting	W	--	--	--	--	--
	Other Facility Support	72	0	0	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	*	0	0	0
	End Use Not Reported	*	0	0	0	*	0
325182	**Carbon Black**						
	TOTAL FUEL CONSUMPTION	744	*	*	11	*	0
	Indirect Uses-Boiler Fuel	12	0	0	*	0	0
	Conventional Boiler Use	12	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	650	*	*	10	0	0
	Process Heating	19	0	0	8	0	0
	Process Cooling and Refrigeration	3	0	0	0	0	0
	Machine Drive	623	*	*	2	0	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	5	0	0	*	0	0
	Direct Uses-Total Nonprocess	82	0	*	*	*	0
	Facility HVAC (g)	43	0	0	*	0	0

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NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Facility Lighting	33	--	--	--	--	--
	Other Facility Support	7	0	0	*	0	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	0	*	0	0
	End Use Not Reported	0	0	0	0	0	0
325188	**Other Basic Inorganic Chemicals**						
	TOTAL FUEL CONSUMPTION	25,528	*	*	48	*	1
	Indirect Uses-Boiler Fuel	100	*	*	17	*	1
	Conventional Boiler Use	100	*	*	8	*	*
	CHP and/or Cogeneration Process	--	0	*	9	0	1
	Direct Uses-Total Process	24,579	*	*	29	*	*
	Process Heating	1,502	*	*	28	*	*
	Process Cooling and Refrigeration	428	0	*	*	0	0
	Machine Drive	17,702	0	*	*	0	0
	Electro-Chemical Processes	4,890	--	--	--	--	--
	Other Process Use	58	0	0	*	*	0
	Direct Uses-Total Nonprocess	814	0	*	2	*	0
	Facility HVAC (g)	415	0	*	1	*	0
	Facility Lighting	287	--	--	--	--	--
	Other Facility Support	88	0	*	*	*	0
	Onsite Transportation	7	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	16	0	*	*	*	0
	End Use Not Reported	Q	0	*	*	*	0
325192	**Cyclic Crudes and Intermediates**						
	TOTAL FUEL CONSUMPTION	2,673	*	*	22	*	0
	Indirect Uses-Boiler Fuel	31	*	*	13	*	0
	Conventional Boiler Use	31	*	*	9	*	0
	CHP and/or Cogeneration Process	--	*	*	4	0	0
	Direct Uses-Total Process	2,222	0	*	9	*	0
	Process Heating	154	0	*	9	*	0
	Process Cooling and Refrigeration	475	0	*	0	0	0
	Machine Drive	1,526	0	*	0	0	0
	Electro-Chemical Processes	67	--	--	--	--	--
	Other Process Use	0	0	0	0	0	0
	Direct Uses-Total Nonprocess	419	0	*	*	*	0
	Facility HVAC (g)	185	0	*	*	*	0
	Facility Lighting	132	--	--	--	--	--
	Other Facility Support	99	0	0	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	3	0	0	0	0	0
	End Use Not Reported	0	*	0	0	0	0

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NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
325193	**Ethyl Alcohol**						
	TOTAL FUEL CONSUMPTION	7,840	0	*	245	*	1
	Indirect Uses-Boiler Fuel	423	0	*	142	*	1
	Conventional Boiler Use	423	0	*	72	*	*
	CHP and/or Cogeneration Process	--	0	*	70	*	1
	Direct Uses-Total Process	6,747	0	*	98	*	*
	Process Heating	497	0	*	88	*	*
	Process Cooling and Refrigeration	656	0	0	*	0	0
	Machine Drive	5,519	0	*	*	*	0
	Electro-Chemical Processes	63	--	--	--	--	--
	Other Process Use	12	0	*	9	*	0
	Direct Uses-Total Nonprocess	558	0	*	3	*	0
	Facility HVAC (g)	207	0	*	2	*	0
	Facility Lighting	257	--	--	--	--	--
	Other Facility Support	90	0	0	1	*	0
	Onsite Transportation	3	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	*	*	*	0
	End Use Not Reported	113	0	*	3	*	0
325199	**Other Basic Organic Chemicals**						
	TOTAL FUEL CONSUMPTION	27,354	*	*	367	*	3
	Indirect Uses-Boiler Fuel	327	*	*	250	*	3
	Conventional Boiler Use	327	*	*	61	0	*
	CHP and/or Cogeneration Process	--	0	*	189	*	3
	Direct Uses-Total Process	24,785	0	*	112	*	0
	Process Heating	644	0	*	85	*	0
	Process Cooling and Refrigeration	3,646	0	*	4	*	0
	Machine Drive	15,566	0	*	5	*	0
	Electro-Chemical Processes	4,497	--	--	--	--	--
	Other Process Use	433	0	*	19	*	0
	Direct Uses-Total Nonprocess	2,225	0	*	5	*	0
	Facility HVAC (g)	981	0	*	3	*	0
	Facility Lighting	830	--	--	--	--	--
	Other Facility Support	326	0	*	1	*	0
	Onsite Transportation	14	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	1	0	0
	Other Nonprocess Use	74	0	*	*	*	0
	End Use Not Reported	Q	0	*	*	*	0
325211	**Plastics Materials and Resins**						
	TOTAL FUEL CONSUMPTION	33,460	*	*	298	*	1
	Indirect Uses-Boiler Fuel	425	*	*	226	*	1
	Conventional Boiler Use	425	*	*	39	*	*
	CHP and/or Cogeneration Process	--	0	*	187	*	*

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	Direct Uses-Total Process	30,537	*	*	68	*	0
	Process Heating	890	*	*	59	*	0
	Process Cooling and Refrigeration	2,463	0	*	1	*	0
	Machine Drive	18,089	0	*	3	*	0
	Electro-Chemical Processes	9,048	--	--	--	--	--
	Other Process Use	47	0	*	5	*	0
	Direct Uses-Total Nonprocess	2,468	0	*	3	*	0
	Facility HVAC (g)	1,165	0	*	2	*	0
	Facility Lighting	887	--	--	--	--	--
	Other Facility Support	368	0	*	1	*	0
	Onsite Transportation	8	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	42	0	*	*	*	0
	End Use Not Reported	30	0	*	*	*	0
325212	**Synthetic Rubber**						
	TOTAL FUEL CONSUMPTION	1,930	0	*	21	*	*
	Indirect Uses-Boiler Fuel	16	0	*	19	0	*
	Conventional Boiler Use	16	0	*	5	0	*
	CHP and/or Cogeneration Process	--	0	*	13	0	*
	Direct Uses-Total Process	1,388	0	*	2	*	0
	Process Heating	98	0	0	W	0	0
	Process Cooling and Refrigeration	168	0	0	*	0	0
	Machine Drive	1,116	0	*	W	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	5	0	*	1	*	0
	Direct Uses-Total Nonprocess	237	0	*	*	*	0
	Facility HVAC (g)	128	0	0	*	*	0
	Facility Lighting	81	--	--	--	--	--
	Other Facility Support	23	0	0	*	*	0
	Onsite Transportation	2	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	4	0	*	*	*	0
	End Use Not Reported	287	0	*	0	*	0
325222	**Noncellulosic Organic Fibers**						
	TOTAL FUEL CONSUMPTION	2,810	*	*	9	*	*
	Indirect Uses-Boiler Fuel	74	*	*	6	*	*
	Conventional Boiler Use	74	*	*	4	0	*
	CHP and/or Cogeneration Process	--	*	*	2	*	*
	Direct Uses-Total Process	2,258	*	*	3	*	0
	Process Heating	395	*	0	W	*	0
	Process Cooling and Refrigeration	349	0	0	*	0	0
	Machine Drive	1,360	0	*	W	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	154	0	*	*	0	0
	Direct Uses-Total Nonprocess	478	0	*	*	*	0

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	Facility HVAC (g)	250	0	0	*	*	0
	Facility Lighting	150	--	--	--	--	--
	Other Facility Support	71	0	0	*	*	0
	Onsite Transportation	3	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	3	0	*	*	*	0
	End Use Not Reported	0	0	0	0	*	0
325311	**Nitrogenous Fertilizers**						
	TOTAL FUEL CONSUMPTION	3,586	*	*	147	*	0
	Indirect Uses-Boiler Fuel	23	*	*	48	*	0
	Conventional Boiler Use	23	0	*	29	*	0
	CHP and/or Cogeneration Process	--	*	*	19	*	0
	Direct Uses-Total Process	3,338	0	*	99	*	0
	Process Heating	49	0	*	94	*	0
	Process Cooling and Refrigeration	632	0	0	0	0	0
	Machine Drive	2,650	0	*	3	*	0
	Electro-Chemical Processes	1	--	--	--	--	--
	Other Process Use	6	0	0	3	*	0
	Direct Uses-Total Nonprocess	224	0	*	1	*	0
	Facility HVAC (g)	100	0	*	1	*	0
	Facility Lighting	96	--	--	--	--	--
	Other Facility Support	25	0	*	*	*	0
	Onsite Transportation	1	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	2	0	*	*	*	0
	End Use Not Reported	0	0	*	*	*	0
325312	**Phosphatic Fertilizers**						
	TOTAL FUEL CONSUMPTION	3,530	*	*	26	*	*
	Indirect Uses-Boiler Fuel	1	*	*	3	0	0
	Conventional Boiler Use	1	0	0	2	0	0
	CHP and/or Cogeneration Process	--	*	*	1	0	0
	Direct Uses-Total Process	3,221	*	*	23	*	*
	Process Heating	6	*	*	23	0	*
	Process Cooling and Refrigeration	15	0	0	0	0	0
	Machine Drive	3,194	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	6	0	*	*	0	0
	Direct Uses-Total Nonprocess	304	0	*	*	*	0
	Facility HVAC (g)	127	0	*	*	*	0
	Facility Lighting	113	--	--	--	--	--
	Other Facility Support	62	0	0	*	0	0
	Onsite Transportation	3	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	0	0	0
	End Use Not Reported	4	0	0	*	0	0

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Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
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Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
3254	**Pharmaceuticals and Medicines**						
	TOTAL FUEL CONSUMPTION	10,036	*	*	48	*	*
	Indirect Uses-Boiler Fuel	122	*	*	37	*	*
	Conventional Boiler Use	122	*	*	17	*	*
	CHP and/or Cogeneration Process	--	*	*	21	*	0
	Direct Uses-Total Process	4,902	*	*	5	*	0
	Process Heating	487	*	0	4	*	0
	Process Cooling and Refrigeration	1,554	0	*	*	0	0
	Machine Drive	2,588	0	*	*	*	0
	Electro-Chemical Processes	41	--	--	--	--	--
	Other Process Use	231	0	*	1	*	0
	Direct Uses-Total Nonprocess	4,976	*	*	5	*	*
	Facility HVAC (g)	3,171	0	*	5	*	*
	Facility Lighting	1,149	--	--	--	--	--
	Other Facility Support	556	0	*	1	*	0
	Onsite Transportation	15	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	85	*	*	*	*	0
	End Use Not Reported	37	0	*	*	*	0
325412	**Pharmaceutical Preparation**						
	TOTAL FUEL CONSUMPTION	5,899	*	*	23	*	*
	Indirect Uses-Boiler Fuel	88	*	*	16	*	*
	Conventional Boiler Use	88	*	*	8	*	*
	CHP and/or Cogeneration Process	--	*	*	8	*	0
	Direct Uses-Total Process	3,034	*	*	3	*	0
	Process Heating	344	*	0	2	*	0
	Process Cooling and Refrigeration	865	0	0	*	0	0
	Machine Drive	1,646	0	*	*	*	0
	Electro-Chemical Processes	14	--	--	--	--	--
	Other Process Use	166	0	*	1	*	0
	Direct Uses-Total Nonprocess	2,742	0	*	4	*	*
	Facility HVAC (g)	1,696	0	*	3	*	*
	Facility Lighting	679	--	--	--	--	--
	Other Facility Support	278	0	*	*	*	0
	Onsite Transportation	11	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	79	0	*	*	*	0
	End Use Not Reported	35	0	*	*	*	0
325992	**Photographic Film, Paper, Plate, and Chemicals**						
	TOTAL FUEL CONSUMPTION	1,860	*	*	6	*	*
	Indirect Uses-Boiler Fuel	92	*	*	5	0	*
	Conventional Boiler Use	92	0	*	3	0	0

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Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	CHP and/or Cogeneration Process	--	*	*	2	0	*
	Direct Uses-Total Process	1,050	0	*	1	*	0
	Process Heating	61	0	0	1	0	0
	Process Cooling and Refrigeration	273	0	0	0	0	0
	Machine Drive	607	0	*	*	*	0
	Electro-Chemical Processes	84	--	--	--	--	--
	Other Process Use	24	0	*	*	0	0
	Direct Uses-Total Nonprocess	663	0	*	*	*	0
	Facility HVAC (g)	397	0	*	*	*	0
	Facility Lighting	213	--	--	--	--	--
	Other Facility Support	31	0	*	*	0	0
	Onsite Transportation	1	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	21	0	*	*	*	0
	End Use Not Reported	56	0	0	*	0	0
326	**PLASTICS AND RUBBER PRODUCTS**						
	TOTAL FUEL CONSUMPTION	46,063	*	*	101	1	*
	Indirect Uses-Boiler Fuel	439	*	*	43	*	*
	Conventional Boiler Use	439	*	*	19	*	0
	CHP and/or Cogeneration Process	--	0	*	23	*	*
	Direct Uses-Total Process	35,205	0	*	36	*	0
	Process Heating	8,433	0	0	33	*	0
	Process Cooling and Refrigeration	5,143	0	0	*	*	0
	Machine Drive	19,981	0	*	Q	*	0
	Electro-Chemical Processes	229	--	--	--	--	--
	Other Process Use	1,419	0	0	Q	*	0
	Direct Uses-Total Nonprocess	9,571	0	*	23	*	0
	Facility HVAC (g)	4,549	0	*	21	*	0
	Facility Lighting	3,877	--	--	--	--	--
	Other Facility Support	898	0	*	1	*	0
	Onsite Transportation	140	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	108	0	*	Q	*	0
	End Use Not Reported	Q	0	*	*	*	0
327	**NONMETALLIC MINERAL PRODUCTS**						
	TOTAL FUEL CONSUMPTION	32,847	*	4	265	1	10
	Indirect Uses-Boiler Fuel	116	*	*	10	*	*
	Conventional Boiler Use	116	0	*	3	*	0
	CHP and/or Cogeneration Process	--	*	*	7	*	*
	Direct Uses-Total Process	28,181	*	2	232	*	10
	Process Heating	8,623	*	*	229	*	10
	Process Cooling and Refrigeration	953	0	*	Q	0	0
	Machine Drive	17,740	*	2	2	*	0
	Electro-Chemical Processes	274	--	--	--	--	--
	Other Process Use	591	0	*	*	*	*

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Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Direct Uses-Total Nonprocess	4,196	*	2	17	*	*
	Facility HVAC (g)	1,925	*	*	15	*	*
	Facility Lighting	1,780	--	--	--	--	--
	Other Facility Support	415	*	*	1	*	0
	Onsite Transportation	33	--	1	*	*	--
	Conventional Electricity Generation	--	*	*	*	*	0
	Other Nonprocess Use	44	0	*	*	*	*
	End Use Not Reported	354	0	*	6	*	0
327121	**Brick and Structural Clay Tile**						
	TOTAL FUEL CONSUMPTION	576	*	*	15	*	*
	Indirect Uses-Boiler Fuel	1	0	0	*	0	0
	Conventional Boiler Use	1	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	442	*	*	14	*	*
	Process Heating	75	*	*	14	*	*
	Process Cooling and Refrigeration	3	0	0	0	0	0
	Machine Drive	362	0	*	*	*	0
	Electro-Chemical Processes	3	--	--	--	--	--
	Other Process Use	0	0	*	0	0	0
	Direct Uses-Total Nonprocess	86	0	*	*	*	0
	Facility HVAC (g)	31	0	*	*	*	0
	Facility Lighting	40	--	--	--	--	--
	Other Facility Support	14	0	0	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	0	0
	End Use Not Reported	Q	0	0	*	*	0
327211	**Flat Glass**						
	TOTAL FUEL CONSUMPTION	1,661	0	*	42	*	0
	Indirect Uses-Boiler Fuel	5	0	0	*	0	0
	Conventional Boiler Use	5	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	0	0	0
	Direct Uses-Total Process	1,407	0	*	40	*	0
	Process Heating	520	0	*	40	*	0
	Process Cooling and Refrigeration	99	0	0	0	0	0
	Machine Drive	718	0	*	*	*	0
	Electro-Chemical Processes	20	--	--	--	--	--
	Other Process Use	49	0	*	0	0	0
	Direct Uses-Total Nonprocess	249	0	*	1	*	0
	Facility HVAC (g)	113	0	0	1	*	0
	Facility Lighting	108	--	--	--	--	--
	Other Facility Support	20	0	*	*	*	0
	Onsite Transportation	4	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	4	0	*	0	0	0

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Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	End Use Not Reported	*	0	0	0	*	0
327212	**Other Pressed and Blown Glass and Glassware**						
	TOTAL FUEL CONSUMPTION	2,563	0	*	27	*	0
	Indirect Uses-Boiler Fuel	3	0	*	1	*	0
	Conventional Boiler Use	3	0	*	*	*	0
	CHP and/or Cogeneration Process	--	0	0	1	*	0
	Direct Uses-Total Process	2,196	0	*	24	*	0
	Process Heating	1,189	0	*	23	*	0
	Process Cooling and Refrigeration	274	0	0	*	0	0
	Machine Drive	641	0	*	*	*	0
	Electro-Chemical Processes	29	--	--	--	--	--
	Other Process Use	64	0	*	*	0	0
	Direct Uses-Total Nonprocess	362	0	*	1	*	0
	Facility HVAC (g)	168	0	0	1	*	0
	Facility Lighting	151	--	--	--	--	--
	Other Facility Support	39	0	*	*	*	0
	Onsite Transportation	2	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	1	0	*	0	*	0
	End Use Not Reported	1	0	0	1	*	0
327213	**Glass Containers**						
	TOTAL FUEL CONSUMPTION	3,606	0	*	45	*	0
	Indirect Uses-Boiler Fuel	3	0	0	*	0	0
	Conventional Boiler Use	3	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	3,270	0	*	42	*	0
	Process Heating	1,417	0	*	42	*	0
	Process Cooling and Refrigeration	61	0	0	*	0	0
	Machine Drive	1,736	0	*	*	*	0
	Electro-Chemical Processes	17	--	--	--	--	--
	Other Process Use	39	0	0	*	0	0
	Direct Uses-Total Nonprocess	333	0	*	2	*	0
	Facility HVAC (g)	154	0	*	2	*	0
	Facility Lighting	141	--	--	--	--	--
	Other Facility Support	28	0	0	*	*	0
	Onsite Transportation	9	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	*	0	*	0
	End Use Not Reported	*	0	*	0	*	0
327215	**Glass Products from Purchased Glass**						
	TOTAL FUEL CONSUMPTION	2,646	0	*	4	*	*
	Indirect Uses-Boiler Fuel	6	0	0	*	0	0

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NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Conventional Boiler Use	6	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	2,016	0	*	3	*	0
	Process Heating	1,019	0	*	3	*	0
	Process Cooling and Refrigeration	138	0	0	*	0	0
	Machine Drive	707	0	*	*	*	0
	Electro-Chemical Processes	24	--	--	--	--	--
	Other Process Use	128	0	*	*	*	0
	Direct Uses-Total Nonprocess	576	0	*	1	*	*
	Facility HVAC (g)	306	0	*	1	*	*
	Facility Lighting	181	--	--	--	--	--
	Other Facility Support	57	0	*	*	*	0
	Onsite Transportation	10	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	22	0	*	*	*	0
	End Use Not Reported	47	0	*	*	*	0
327310	**Cements**						
	TOTAL FUEL CONSUMPTION	9,419	*	*	12	*	6
	Indirect Uses-Boiler Fuel	16	0	0	*	*	0
	Conventional Boiler Use	16	0	0	*	*	0
	CHP and/or Cogeneration Process	--	0	0	0	0	0
	Direct Uses-Total Process	8,771	*	*	12	*	6
	Process Heating	1,834	*	*	12	*	6
	Process Cooling and Refrigeration	132	0	0	0	0	0
	Machine Drive	6,620	0	*	*	*	0
	Electro-Chemical Processes	39	--	--	--	--	--
	Other Process Use	146	0	*	0	*	*
	Direct Uses-Total Nonprocess	626	0	*	*	*	0
	Facility HVAC (g)	321	0	*	*	*	0
	Facility Lighting	230	--	--	--	--	--
	Other Facility Support	67	0	*	*	*	0
	Onsite Transportation	1	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	6	0	*	*	*	0
	End Use Not Reported	6	0	0	0	*	0
327410	**Lime**						
	TOTAL FUEL CONSUMPTION	1,502	*	1	3	*	3
	Indirect Uses-Boiler Fuel	5	0	0	*	0	0
	Conventional Boiler Use	5	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	0	0	0
	Direct Uses-Total Process	1,397	0	1	3	*	3
	Process Heating	341	0	*	3	*	3
	Process Cooling and Refrigeration	14	0	*	0	0	0
	Machine Drive	998	0	1	0	*	0
	Electro-Chemical Processes	0	--	--	--	--	--

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	Other Process Use	43	0	*	0	0	0
	Direct Uses-Total Nonprocess	99	*	*	*	*	0
	Facility HVAC (g)	38	*	*	*	*	0
	Facility Lighting	40	--	--	--	--	--
	Other Facility Support	16	0	*	*	*	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	4	0	*	0	*	0
	End Use Not Reported	1	0	0	0	*	0
327420	**Gypsum**						
	TOTAL FUEL CONSUMPTION	1,404	*	*	38	*	0
	Indirect Uses-Boiler Fuel	1	0	0	1	0	0
	Conventional Boiler Use	1	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	1,198	0	*	35	*	0
	Process Heating	54	0	*	34	*	0
	Process Cooling and Refrigeration	14	0	0	0	0	0
	Machine Drive	1,127	0	*	1	*	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	4	0	*	*	*	0
	Direct Uses-Total Nonprocess	191	*	*	2	*	0
	Facility HVAC (g)	64	*	*	2	*	0
	Facility Lighting	97	--	--	--	--	--
	Other Facility Support	30	0	0	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	0	0	0	0
	End Use Not Reported	13	0	0	0	0	0
327993	**Mineral Wool**						
	TOTAL FUEL CONSUMPTION	3,419	0	*	24	*	0
	Indirect Uses-Boiler Fuel	2	0	*	1	0	0
	Conventional Boiler Use	2	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	*	1	0	0
	Direct Uses-Total Process	2,947	0	*	20	*	0
	Process Heating	1,439	0	*	20	*	0
	Process Cooling and Refrigeration	69	0	0	*	0	0
	Machine Drive	1,322	0	*	*	*	0
	Electro-Chemical Processes	16	--	--	--	--	--
	Other Process Use	101	0	*	*	*	0
	Direct Uses-Total Nonprocess	470	0	*	2	*	0
	Facility HVAC (g)	215	0	*	2	*	0
	Facility Lighting	205	--	--	--	--	--
	Other Facility Support	47	0	*	*	*	0
	Onsite Transportation	3	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0

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NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Other Nonprocess Use	0	0	*	*	*	0
	End Use Not Reported	0	0	0	0	0	0
331	**PRIMARY METALS**						
	TOTAL FUEL CONSUMPTION	122,967	*	2	522	1	1
	Indirect Uses-Boiler Fuel	428	*	*	62	*	0
	Conventional Boiler Use	428	*	*	21	*	0
	CHP and/or Cogeneration Process	--	*	*	40	*	0
	Direct Uses-Total Process	111,407	*	*	422	*	1
	Process Heating	38,150	*	*	392	*	1
	Process Cooling and Refrigeration	1,421	0	*	3	*	0
	Machine Drive	36,681	*	*	12	*	0
	Electro-Chemical Processes	31,397	--	--	--	--	--
	Other Process Use	3,757	0	*	16	*	*
	Direct Uses-Total Nonprocess	10,593	*	1	37	*	*
	Facility HVAC (g)	4,520	*	*	32	*	0
	Facility Lighting	4,314	--	--	--	--	--
	Other Facility Support	1,146	0	*	3	*	0
	Onsite Transportation	75	--	1	*	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	539	0	*	1	*	*
	End Use Not Reported	540	0	*	Q	*	0
331111	**Iron and Steel Mills**						
	TOTAL FUEL CONSUMPTION	55,076	*	1	316	*	1
	Indirect Uses-Boiler Fuel	61	*	*	37	*	0
	Conventional Boiler Use	61	*	*	W	*	0
	CHP and/or Cogeneration Process	--	*	*	W	*	0
	Direct Uses-Total Process	49,493	0	*	264	*	1
	Process Heating	23,945	0	*	245	*	1
	Process Cooling and Refrigeration	614	0	*	2	*	0
	Machine Drive	22,257	0	*	6	*	0
	Electro-Chemical Processes	1,322	--	--	--	--	--
	Other Process Use	1,354	0	*	11	*	*
	Direct Uses-Total Nonprocess	5,075	0	1	15	*	*
	Facility HVAC (g)	2,045	0	*	12	*	0
	Facility Lighting	2,138	--	--	--	--	--
	Other Facility Support	530	0	*	2	*	0
	Onsite Transportation	10	--	1	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	352	0	*	1	*	*
	End Use Not Reported	448	0	*	*	*	0
331112	**Electrometallurgical Ferroalloy Products**						
	TOTAL FUEL CONSUMPTION	3,158	0	*	1	*	0

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Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Indirect Uses-Boiler Fuel	*	0	0	*	0	0
	Conventional Boiler Use	*	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	3,070	0	*	*	*	0
	Process Heating	1,481	0	*	*	*	0
	Process Cooling and Refrigeration	23	0	0	0	0	0
	Machine Drive	208	0	*	0	*	0
	Electro-Chemical Processes	1,337	--	--	--	--	--
	Other Process Use	20	0	0	0	0	0
	Direct Uses-Total Nonprocess	87	0	*	*	*	0
	Facility HVAC (g)	32	0	*	*	*	0
	Facility Lighting	47	--	--	--	--	--
	Other Facility Support	9	0	0	*	*	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	0	0	*	0	*	0
	End Use Not Reported	*	0	0	0	*	0
3312	**Steel Products from Purchased Steel**						
	TOTAL FUEL CONSUMPTION	5,270	*	*	18	*	0
	Indirect Uses-Boiler Fuel	13	0	*	2	*	0
	Conventional Boiler Use	13	0	0	1	*	0
	CHP and/or Cogeneration Process	--	0	*	1	0	0
	Direct Uses-Total Process	4,335	*	*	12	*	0
	Process Heating	1,190	0	*	12	*	0
	Process Cooling and Refrigeration	81	0	0	0	0	0
	Machine Drive	2,679	*	*	*	*	0
	Electro-Chemical Processes	342	--	--	--	--	--
	Other Process Use	42	0	0	*	*	0
	Direct Uses-Total Nonprocess	913	0	*	4	*	0
	Facility HVAC (g)	317	0	*	3	*	0
	Facility Lighting	434	--	--	--	--	--
	Other Facility Support	127	0	0	*	*	0
	Onsite Transportation	4	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	Q	0	*	*	*	0
	End Use Not Reported	Q	0	0	*	*	0
3313	**Alumina and Aluminum**						
	TOTAL FUEL CONSUMPTION	34,562	*	*	93	*	0
	Indirect Uses-Boiler Fuel	173	*	*	12	*	0
	Conventional Boiler Use	173	*	*	W	*	0
	CHP and/or Cogeneration Process	--	0	0	W	0	0
	Direct Uses-Total Process	33,103	*	*	76	*	0
	Process Heating	1,337	*	*	71	*	0
	Process Cooling and Refrigeration	175	0	*	*	0	0
	Machine Drive	5,127	0	*	5	*	0

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Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Electro-Chemical Processes	26,362	--	--	--	--	--
	Other Process Use	101	0	*	*	*	0
	Direct Uses-Total Nonprocess	1,285	0	*	4	*	0
	Facility HVAC (g)	464	0	*	4	*	0
	Facility Lighting	578	--	--	--	--	--
	Other Facility Support	192	0	0	*	*	0
	Onsite Transportation	49	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	2	0	*	*	*	0
	End Use Not Reported	1	0	*	*	*	0
331314	**Secondary Smelting and Alloying of Aluminum**						
	TOTAL FUEL CONSUMPTION	2,638	*	*	14	*	0
	Indirect Uses-Boiler Fuel	1	0	0	1	0	0
	Conventional Boiler Use	1	0	0	0	0	0
	CHP and/or Cogeneration Process	--	0	0	1	0	0
	Direct Uses-Total Process	2,543	*	*	13	*	0
	Process Heating	201	*	*	13	*	0
	Process Cooling and Refrigeration	5	0	0	*	0	0
	Machine Drive	359	0	*	0	*	0
	Electro-Chemical Processes	1,968	--	--	--	--	--
	Other Process Use	9	0	*	*	*	0
	Direct Uses-Total Nonprocess	95	0	*	*	*	0
	Facility HVAC (g)	55	0	*	*	*	0
	Facility Lighting	32	--	--	--	--	--
	Other Facility Support	8	0	0	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	End Use Not Reported	*	0	*	*	*	0
331315	**Aluminum Sheet, Plate and Foils**						
	TOTAL FUEL CONSUMPTION	4,134	*	*	39	*	0
	Indirect Uses-Boiler Fuel	2	*	0	W	0	0
	Conventional Boiler Use	2	*	0	1	0	0
	CHP and/or Cogeneration Process	--	0	0	W	0	0
	Direct Uses-Total Process	3,738	*	*	36	*	0
	Process Heating	556	*	0	36	*	0
	Process Cooling and Refrigeration	121	0	*	*	0	0
	Machine Drive	3,034	0	*	0	*	0
	Electro-Chemical Processes	4	--	--	--	--	--
	Other Process Use	23	0	0	*	0	0
	Direct Uses-Total Nonprocess	394	0	*	W	*	0
	Facility HVAC (g)	161	0	*	W	*	0
	Facility Lighting	163	--	--	--	--	--
	Other Facility Support	64	0	0	*	*	0
	Onsite Transportation	6	--	*	*	*	--

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Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	1	0	*	0	0	0
	End Use Not Reported	*	0	0	*	*	0
331316	**Aluminum Extruded Products**						
	TOTAL FUEL CONSUMPTION	1,411	0	*	11	*	0
	Indirect Uses-Boiler Fuel	3	0	0	W	*	0
	Conventional Boiler Use	3	0	0	W	*	0
	CHP and/or Cogeneration Process	--	0	0	W	0	0
	Direct Uses-Total Process	1,156	0	*	W	*	0
	Process Heating	197	0	0	W	*	0
	Process Cooling and Refrigeration	25	0	0	*	0	0
	Machine Drive	894	0	*	*	*	0
	Electro-Chemical Processes	32	--	--	--	--	--
	Other Process Use	8	0	0	*	*	0
	Direct Uses-Total Nonprocess	252	0	*	1	*	0
	Facility HVAC (g)	81	0	*	1	*	0
	Facility Lighting	149	--	--	--	--	--
	Other Facility Support	19	0	0	*	*	0
	Onsite Transportation	2	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	1	0	*	0	*	0
	End Use Not Reported	0	0	0	0	*	0
3314	**Nonferrous Metals, except Aluminum**						
	TOTAL FUEL CONSUMPTION	13,732	*	*	50	*	0
	Indirect Uses-Boiler Fuel	121	0	*	9	*	0
	Conventional Boiler Use	121	0	*	4	*	0
	CHP and/or Cogeneration Process	--	0	*	5	*	0
	Direct Uses-Total Process	12,413	0	*	36	*	0
	Process Heating	5,147	0	*	33	*	0
	Process Cooling and Refrigeration	317	0	*	*	*	0
	Machine Drive	3,303	0	*	*	*	0
	Electro-Chemical Processes	1,953	--	--	--	--	--
	Other Process Use	1,693	0	*	3	*	0
	Direct Uses-Total Nonprocess	1,176	*	*	4	*	0
	Facility HVAC (g)	566	*	*	4	*	0
	Facility Lighting	415	--	--	--	--	--
	Other Facility Support	99	0	0	*	*	0
	Onsite Transportation	5	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	91	0	*	0	*	0
	End Use Not Reported	21	0	0	Q	*	0
331419	**Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum**						

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Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	TOTAL FUEL CONSUMPTION	7,564	0	*	12	*	0
	Indirect Uses-Boiler Fuel	29	0	*	1	0	0
	Conventional Boiler Use	29	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	*	1	0	0
	Direct Uses-Total Process	7,189	0	*	10	*	0
	Process Heating	3,528	0	*	8	*	0
	Process Cooling and Refrigeration	187	0	0	*	*	0
	Machine Drive	462	0	*	0	*	0
	Electro-Chemical Processes	1,478	--	--	--	--	--
	Other Process Use	1,534	0	*	3	*	0
	Direct Uses-Total Nonprocess	344	0	*	*	*	0
	Facility HVAC (g)	146	0	*	*	*	0
	Facility Lighting	93	--	--	--	--	--
	Other Facility Support	13	0	0	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	91	0	*	0	*	0
	End Use Not Reported	1	0	0	*	*	0
3315	**Foundries**						
	TOTAL FUEL CONSUMPTION	11,170	0	*	45	*	0
	Indirect Uses-Boiler Fuel	60	0	*	1	*	0
	Conventional Boiler Use	60	0	*	1	*	0
	CHP and/or Cogeneration Process	--	0	*	1	*	0
	Direct Uses-Total Process	8,993	0	*	33	*	0
	Process Heating	5,050	0	*	31	*	0
	Process Cooling and Refrigeration	210	0	*	*	0	0
	Machine Drive	3,106	0	*	*	*	0
	Electro-Chemical Processes	81	--	--	--	--	--
	Other Process Use	546	0	*	1	*	0
	Direct Uses-Total Nonprocess	2,055	0	*	10	*	0
	Facility HVAC (g)	1,095	0	*	9	*	0
	Facility Lighting	703	--	--	--	--	--
	Other Facility Support	189	0	*	1	*	0
	Onsite Transportation	7	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	61	0	*	*	*	0
	End Use Not Reported	61	0	0	*	*	0
331511	**Iron Foundries**						
	TOTAL FUEL CONSUMPTION	5,681	0	*	14	*	0
	Indirect Uses-Boiler Fuel	36	0	*	*	*	0
	Conventional Boiler Use	36	0	*	*	*	0
	CHP and/or Cogeneration Process	--	0	*	*	0	0
	Direct Uses-Total Process	4,483	0	*	9	*	0
	Process Heating	2,976	0	*	8	*	0
	Process Cooling and Refrigeration	53	0	0	0	0	0

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Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Machine Drive	1,377	0	*	*	*	0
	Electro-Chemical Processes	17	--	--	--	--	--
	Other Process Use	60	0	*	1	*	0
	Direct Uses-Total Nonprocess	1,134	0	*	5	*	0
	Facility HVAC (g)	661	0	*	4	*	0
	Facility Lighting	337	--	--	--	--	--
	Other Facility Support	88	0	*	*	*	0
	Onsite Transportation	3	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	45	0	*	*	*	0
	End Use Not Reported	28	0	0	0	*	0
331521	**Aluminum Die-Casting Foundries**						
	TOTAL FUEL CONSUMPTION	1,287	0	*	11	*	0
	Indirect Uses-Boiler Fuel	*	0	0	*	*	0
	Conventional Boiler Use	*	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	*	0
	Direct Uses-Total Process	997	0	*	8	*	0
	Process Heating	310	0	0	8	*	0
	Process Cooling and Refrigeration	31	0	0	0	0	0
	Machine Drive	613	0	*	*	*	0
	Electro-Chemical Processes	4	--	--	--	--	--
	Other Process Use	39	0	*	*	0	0
	Direct Uses-Total Nonprocess	270	0	*	2	*	0
	Facility HVAC (g)	117	0	*	2	*	0
	Facility Lighting	99	--	--	--	--	--
	Other Facility Support	35	0	0	*	*	0
	Onsite Transportation	3	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	16	0	*	*	*	0
	End Use Not Reported	20	0	0	*	*	0
331524	**Aluminum Foundries, except Die-Casting**						
	TOTAL FUEL CONSUMPTION	857	0	*	8	*	0
	Indirect Uses-Boiler Fuel	10	0	0	*	*	0
	Conventional Boiler Use	10	0	0	*	*	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	649	0	*	6	*	0
	Process Heating	300	0	*	6	*	0
	Process Cooling and Refrigeration	30	0	0	*	0	0
	Machine Drive	303	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	16	0	0	*	*	0
	Direct Uses-Total Nonprocess	193	0	*	1	*	0
	Facility HVAC (g)	100	0	*	1	*	0
	Facility Lighting	75	--	--	--	--	--
	Other Facility Support	19	0	*	*	*	0

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Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	0	0	*	0	*	0
	End Use Not Reported	5	0	0	*	*	0
332	**FABRICATED METAL PRODUCTS**						
	TOTAL FUEL CONSUMPTION	37,331	*	*	158	1	*
	Indirect Uses-Boiler Fuel	108	0	*	20	*	0
	Conventional Boiler Use	108	0	0	11	0	0
	CHP and/or Cogeneration Process	--	0	*	10	*	0
	Direct Uses-Total Process	26,240	0	*	91	*	0
	Process Heating	7,788	0	*	89	*	0
	Process Cooling and Refrigeration	1,253	0	0	*	*	0
	Machine Drive	15,191	0	*	1	*	0
	Electro-Chemical Processes	Q	--	--	--	--	--
	Other Process Use	990	0	*	1	*	0
	Direct Uses-Total Nonprocess	8,690	0	*	29	1	*
	Facility HVAC (g)	3,581	0	*	28	*	*
	Facility Lighting	4,025	--	--	--	--	--
	Other Facility Support	890	0	*	2	*	0
	Onsite Transportation	141	--	*	*	1	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	Q	0	*	0	*	0
	End Use Not Reported	2,292	*	*	Q	*	0
333	**MACHINERY**						
	TOTAL FUEL CONSUMPTION	20,505	*	1	69	1	0
	Indirect Uses-Boiler Fuel	Q	*	*	6	*	0
	Conventional Boiler Use	Q	0	0	3	*	0
	CHP and/or Cogeneration Process	--	*	*	3	0	0
	Direct Uses-Total Process	11,712	0	*	29	*	0
	Process Heating	2,322	0	*	28	*	0
	Process Cooling and Refrigeration	551	0	0	*	0	0
	Machine Drive	8,217	0	*	1	*	0
	Electro-Chemical Processes	76	--	--	--	--	--
	Other Process Use	545	0	*	Q	*	0
	Direct Uses-Total Nonprocess	8,307	0	*	34	*	0
	Facility HVAC (g)	4,151	0	*	32	*	0
	Facility Lighting	3,048	--	--	--	--	--
	Other Facility Support	810	0	*	1	*	0
	Onsite Transportation	90	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	Q	0	*	*	*	0
	End Use Not Reported	289	0	0	Q	*	0
334	**COMPUTER AND ELECTRONIC PRODUCTS**						

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NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	TOTAL FUEL CONSUMPTION	29,547	*	*	41	*	0
	Indirect Uses-Boiler Fuel	211	*	*	14	0	0
	Conventional Boiler Use	211	0	*	11	0	0
	CHP and/or Cogeneration Process	--	*	*	3	0	0
	Direct Uses-Total Process	14,161	0	*	6	*	0
	Process Heating	2,875	0	*	5	*	0
	Process Cooling and Refrigeration	2,576	0	0	0	0	0
	Machine Drive	6,785	0	*	*	*	0
	Electro-Chemical Processes	457	--	--	--	--	--
	Other Process Use	1,469	0	*	1	0	0
	Direct Uses-Total Nonprocess	14,111	*	*	19	*	0
	Facility HVAC (g)	8,779	*	*	17	*	0
	Facility Lighting	3,542	--	--	--	--	--
	Other Facility Support	1,488	0	*	1	*	0
	Onsite Transportation	20	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	281	0	*	*	*	0
	End Use Not Reported	1,063	0	0	2	*	0
334413	**Semiconductors and Related Devices**						
	TOTAL FUEL CONSUMPTION	10,833	*	*	19	*	0
	Indirect Uses-Boiler Fuel	64	0	*	8	0	0
	Conventional Boiler Use	64	0	*	8	0	0
	CHP and/or Cogeneration Process	--	0	0	1	0	0
	Direct Uses-Total Process	6,357	0	*	3	*	0
	Process Heating	1,176	0	0	2	*	0
	Process Cooling and Refrigeration	1,168	0	0	0	0	0
	Machine Drive	2,525	0	*	*	*	0
	Electro-Chemical Processes	379	--	--	--	--	--
	Other Process Use	1,111	0	*	1	0	0
	Direct Uses-Total Nonprocess	3,598	*	*	6	*	0
	Facility HVAC (g)	2,540	*	*	5	*	0
	Facility Lighting	617	--	--	--	--	--
	Other Facility Support	278	0	*	*	*	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	163	0	*	*	*	0
	End Use Not Reported	813	0	0	2	*	0
335	**ELEC. EQUIP., APPLIANCES, COMPONENTS**						
	TOTAL FUEL CONSUMPTION	10,689	*	*	35	*	0
	Indirect Uses-Boiler Fuel	119	*	*	6	*	0
	Conventional Boiler Use	119	*	*	4	*	0
	CHP and/or Cogeneration Process	--	0	0	3	*	0
	Direct Uses-Total Process	7,055	*	*	20	*	0
	Process Heating	1,611	0	*	19	*	0

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Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Process Cooling and Refrigeration	468	0	0	*	0	0
	Machine Drive	4,005	*	*	*	*	0
	Electro-Chemical Processes	571	--	--	--	--	--
	Other Process Use	400	0	*	*	*	0
	Direct Uses-Total Nonprocess	3,507	0	*	8	*	0
	Facility HVAC (g)	1,653	0	*	7	*	0
	Facility Lighting	1,076	--	--	--	--	--
	Other Facility Support	707	0	*	1	*	0
	Onsite Transportation	46	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	Q	0	*	*	*	0
	End Use Not Reported	Q	0	0	1	*	0
336	**TRANSPORTATION EQUIPMENT**						
	TOTAL FUEL CONSUMPTION	39,301	*	*	123	1	*
	Indirect Uses-Boiler Fuel	282	*	*	29	*	*
	Conventional Boiler Use	282	*	*	13	*	*
	CHP and/or Cogeneration Process	--	0	*	16	*	0
	Direct Uses-Total Process	22,480	*	*	50	*	0
	Process Heating	4,208	*	*	42	*	0
	Process Cooling and Refrigeration	1,923	*	*	*	0	0
	Machine Drive	14,057	0	*	*	*	0
	Electro-Chemical Processes	801	--	--	--	--	--
	Other Process Use	1,491	0	*	7	*	0
	Direct Uses-Total Nonprocess	15,179	*	*	43	*	0
	Facility HVAC (g)	7,373	*	*	39	*	0
	Facility Lighting	5,770	--	--	--	--	--
	Other Facility Support	1,363	*	*	2	*	0
	Onsite Transportation	234	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	1	0	0
	Other Nonprocess Use	439	0	*	*	*	0
	End Use Not Reported	1,360	*	*	1	*	0
336111	**Automobiles**						
	TOTAL FUEL CONSUMPTION	3,030	0	*	15	*	*
	Indirect Uses-Boiler Fuel	24	0	*	3	*	*
	Conventional Boiler Use	24	0	*	2	*	*
	CHP and/or Cogeneration Process	--	0	0	1	0	0
	Direct Uses-Total Process	1,830	0	*	8	*	0
	Process Heating	243	0	0	8	0	0
	Process Cooling and Refrigeration	172	0	0	0	0	0
	Machine Drive	1,216	0	*	0	*	0
	Electro-Chemical Processes	53	--	--	--	--	--
	Other Process Use	146	0	*	*	*	0
	Direct Uses-Total Nonprocess	1,176	0	*	4	*	0
	Facility HVAC (g)	592	0	0	3	*	0
	Facility Lighting	456	--	--	--	--	--

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Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Other Facility Support	98	0	*	1	*	0
	Onsite Transportation	13	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	17	0	*	0	*	0
	End Use Not Reported	0	0	0	0	0	0
336112	**Light Trucks and Utility Vehicles**						
	TOTAL FUEL CONSUMPTION	3,684	0	*	22	*	*
	Indirect Uses-Boiler Fuel	48	0	*	5	0	*
	Conventional Boiler Use	48	0	0	2	0	*
	CHP and/or Cogeneration Process	--	0	*	3	0	0
	Direct Uses-Total Process	2,351	0	*	12	*	0
	Process Heating	219	0	0	10	0	0
	Process Cooling and Refrigeration	356	0	0	*	0	0
	Machine Drive	1,588	0	*	*	*	0
	Electro-Chemical Processes	33	--	--	--	--	--
	Other Process Use	155	0	*	1	*	0
	Direct Uses-Total Nonprocess	1,284	0	*	6	*	0
	Facility HVAC (g)	717	0	0	5	*	0
	Facility Lighting	417	--	--	--	--	--
	Other Facility Support	95	0	*	*	*	0
	Onsite Transportation	28	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	26	0	*	0	*	0
	End Use Not Reported	0	0	0	0	0	0
3364	**Aerospace Products**						
	TOTAL FUEL CONSUMPTION	9,903	*	*	29	*	*
	Indirect Uses-Boiler Fuel	83	*	*	14	*	*
	Conventional Boiler Use	83	*	*	7	*	*
	CHP and/or Cogeneration Process	--	0	*	7	*	0
	Direct Uses-Total Process	4,479	*	*	5	*	0
	Process Heating	1,277	*	*	5	*	0
	Process Cooling and Refrigeration	605	*	*	*	0	0
	Machine Drive	2,203	0	*	*	*	0
	Electro-Chemical Processes	179	--	--	--	--	--
	Other Process Use	215	0	*	*	*	0
	Direct Uses-Total Nonprocess	5,141	*	*	10	*	0
	Facility HVAC (g)	2,581	*	*	9	*	0
	Facility Lighting	1,906	--	--	--	--	--
	Other Facility Support	565	*	*	1	*	0
	Onsite Transportation	37	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	Q	0	0
	Other Nonprocess Use	52	0	*	*	*	0
	End Use Not Reported	199	*	0	*	*	0
336411	**Aircraft**						

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Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	TOTAL FUEL CONSUMPTION	2,772	*	*	9	*	0
	Indirect Uses-Boiler Fuel	29	*	*	5	*	0
	Conventional Boiler Use	29	*	*	3	*	0
	CHP and/or Cogeneration Process	--	0	0	2	0	0
	Direct Uses-Total Process	825	*	*	1	*	0
	Process Heating	175	*	*	1	*	0
	Process Cooling and Refrigeration	154	*	0	*	0	0
	Machine Drive	448	0	*	*	*	0
	Electro-Chemical Processes	8	--	--	--	--	--
	Other Process Use	40	0	0	*	0	0
	Direct Uses-Total Nonprocess	1,745	*	*	3	*	0
	Facility HVAC (g)	895	*	*	3	*	0
	Facility Lighting	663	--	--	--	--	--
	Other Facility Support	147	*	0	*	*	0
	Onsite Transportation	24	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	16	0	*	0	*	0
	End Use Not Reported	174	0	0	0	*	0
337	**FURNITURE AND RELATED PRODUCTS**						
	TOTAL FUEL CONSUMPTION	5,018	0	*	13	*	*
	Indirect Uses-Boiler Fuel	51	0	0	1	0	*
	Conventional Boiler Use	51	0	0	*	0	*
	CHP and/or Cogeneration Process	--	0	0	1	0	0
	Direct Uses-Total Process	2,779	0	*	5	*	0
	Process Heating	247	0	*	5	*	0
	Process Cooling and Refrigeration	62	0	0	0	0	0
	Machine Drive	2,335	0	*	*	*	0
	Electro-Chemical Processes	Q	--	--	--	--	--
	Other Process Use	106	0	0	*	0	0
	Direct Uses-Total Nonprocess	2,006	0	*	6	*	*
	Facility HVAC (g)	885	0	*	6	*	*
	Facility Lighting	834	--	--	--	--	--
	Other Facility Support	215	0	0	*	*	0
	Onsite Transportation	35	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	36	0	*	0	*	0
	End Use Not Reported	183	0	*	*	*	0
339	**MISCELLANEOUS**						
	TOTAL FUEL CONSUMPTION	7,728	*	*	15	*	*
	Indirect Uses-Boiler Fuel	55	0	*	5	*	0
	Conventional Boiler Use	55	0	*	2	0	0
	CHP and/or Cogeneration Process	--	0	*	3	*	0
	Direct Uses-Total Process	4,113	0	*	4	*	0

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Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
	Process Heating	832	0	*	4	*	0
	Process Cooling and Refrigeration	388	0	0	*	0	0
	Machine Drive	2,274	0	*	*	*	0
	Electro-Chemical Processes	Q	--	--	--	--	--
	Other Process Use	215	0	*	*	*	0
	Direct Uses-Total Nonprocess	3,399	*	*	6	*	*
	Facility HVAC (g)	1,944	*	*	6	*	*
	Facility Lighting	1,081	--	--	--	--	--
	Other Facility Support	328	0	*	*	*	0
	Onsite Transportation	Q	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	Q	0	*	*	*	0
	End Use Not Reported	160	0	0	*	*	0

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

(b) 'Net Demand for Electricity' is the sum of purchases, transfers in, and total onsite electricity generation, minus sales and transfers offsite. It is the total amount of electricity used by establishments. 'Net Demand for Electricity' is not directly comparable with "Net Electricity,' which specifically excludes electricity generated onsite by combustible energy sources.

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

(d) '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.

(e) Examples of Liquefied Petroleum Gases '(LPG)' are 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).'

(f) Facility Heating, Ventilation, and Air Conditioning '(Facility HVAC)' excludes steam and hot water.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

-- Estimation is not applicable.

S=Negative value.

Notes: Totals may not equal sum of components because of independent rounding. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells.
Allocations to specific end uses are made on the basis of reasonable approximations by respondents.

Source: U.S. Energy Information Administration, Office of Energy Consumption

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Table 5.3 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(c) (million bbl)	Natural Gas(d) (billion cu ft)	LPG and NGL(e) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)

and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey.'

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Table 5.4 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
		Total United States					
311 - 339	**ALL MANUFACTURING INDUSTRIES**						
	TOTAL FUEL CONSUMPTION	2,886	79	130	5,211	69	868
	Indirect Uses-Boiler Fuel	44	46	19	2,134	10	572
	Conventional Boiler Use	44	20	4	733	3	72
	CHP and/or Cogeneration Process	--	26	15	1,401	7	500
	Direct Uses-Total Process	2,304	26	54	2,623	29	289
	Process Heating	318	25	14	2,362	24	280
	Process Cooling and Refrigeration	208	*	Q	25	*	0
	Machine Drive	1,454	*	28	120	3	1
	Electro-Chemical Processes	263	--	--	--	--	--
	Other Process Use	60	*	10	117	1	8
	Direct Uses-Total Nonprocess	479	3	52	368	26	6
	Facility HVAC (g)	236	Q	4	306	4	3
	Facility Lighting	177	--	--	--	--	--
	Other Facility Support	51	*	1	36	3	*
	Onsite Transportation	5	--	39	1	17	--
	Conventional Electricity Generation	--	1	3	19	*	1
	Other Nonprocess Use	10	*	4	7	1	1
	End Use Not Reported	59	5	5	86	4	1
311	**FOOD**						
	TOTAL FUEL CONSUMPTION	276	12	22	579	6	182
	Indirect Uses-Boiler Fuel	9	10	3	334	2	162
	Conventional Boiler Use	9	5	1	164	*	25
	CHP and/or Cogeneration Process	--	4	2	170	1	137
	Direct Uses-Total Process	212	1	7	189	2	18
	Process Heating	12	1	Q	175	1	17
	Process Cooling and Refrigeration	74	0	Q	2	*	0
	Machine Drive	124	*	*	4	*	*
	Electro-Chemical Processes	1	--	--	--	--	--
	Other Process Use	1	*	Q	7	*	1
	Direct Uses-Total Nonprocess	50	*	10	50	2	1
	Facility HVAC (g)	21	*	Q	33	*	*
	Facility Lighting	21	--	--	--	--	--
	Other Facility Support	6	*	*	16	*	*
	Onsite Transportation	1	--	5	*	1	--
	Conventional Electricity Generation	--	*	2	*	*	1
	Other Nonprocess Use	1	0	3	1	*	0
	End Use Not Reported	5	1	2	7	*	1
3112	**Grain and Oilseed Milling**						
	TOTAL FUEL CONSUMPTION	68	*	1	121	*	126
	Indirect Uses-Boiler Fuel	3	*	*	70	*	115
	Conventional Boiler Use	3	*	*	38	*	17

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Table 5.4 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	CHP and/or Cogeneration Process	--	*	*	32	0	99
	Direct Uses-Total Process	57	*	*	47	*	9
	Process Heating	1	*	0	44	*	8
	Process Cooling and Refrigeration	7	0	0	*	0	0
	Machine Drive	49	*	*	1	*	*
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	1	0	1
	Direct Uses-Total Nonprocess	7	*	*	3	*	1
	Facility HVAC (g)	3	*	*	3	*	*
	Facility Lighting	3	--	--	--	--	--
	Other Facility Support	1	0	*	1	*	*
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	*	1
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	Q	0	*	1	*	1
311221	**Wet Corn Milling**						
	TOTAL FUEL CONSUMPTION	36	*	*	53	*	110
	Indirect Uses-Boiler Fuel	2	0	*	23	0	102
	Conventional Boiler Use	2	0	0	15	0	13
	CHP and/or Cogeneration Process	--	0	*	8	0	90
	Direct Uses-Total Process	31	*	*	29	*	8
	Process Heating	*	*	0	29	*	8
	Process Cooling and Refrigeration	5	0	0	0	0	0
	Machine Drive	26	*	*	*	*	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	*	0	*	0	0	0
	Direct Uses-Total Nonprocess	3	*	*	1	*	0
	Facility HVAC (g)	1	*	*	*	*	0
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	0	0	*	0	0	0
	End Use Not Reported	0	0	0	0	*	0
31131	**Sugar**						
	TOTAL FUEL CONSUMPTION	9	1	1	15	*	49
	Indirect Uses-Boiler Fuel	1	1	*	12	*	40
	Conventional Boiler Use	1	*	0	3	*	3
	CHP and/or Cogeneration Process	--	1	*	9	*	37
	Direct Uses-Total Process	6	0	*	3	*	8
	Process Heating	*	0	0	3	0	8
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	6	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	0	0	0
	Direct Uses-Total Nonprocess	1	*	1	*	*	*

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Table 5.4 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Facility HVAC (g)	*	0	0	*	*	*
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	*	*	*	*	*
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	End Use Not Reported	0	0	*	0	*	0
3114	**Fruit and Vegetable Preserving and Specialty Foods**						
	TOTAL FUEL CONSUMPTION	33	1	Q	100	1	2
	Indirect Uses-Boiler Fuel	1	1	*	66	*	2
	Conventional Boiler Use	1	1	*	34	*	1
	CHP and/or Cogeneration Process	--	*	*	32	*	1
	Direct Uses-Total Process	25	*	Q	23	*	0
	Process Heating	1	*	Q	22	*	0
	Process Cooling and Refrigeration	12	0	*	*	*	0
	Machine Drive	11	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	1	*	0
	Direct Uses-Total Nonprocess	7	*	1	9	1	0
	Facility HVAC (g)	3	*	*	8	*	0
	Facility Lighting	3	--	--	--	--	--
	Other Facility Support	1	0	*	1	*	0
	Onsite Transportation	*	--	1	*	1	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	*	0	*	1	*	0
3115	**Dairy Products**						
	TOTAL FUEL CONSUMPTION	33	2	2	66	1	*
	Indirect Uses-Boiler Fuel	1	1	1	41	*	*
	Conventional Boiler Use	1	1	*	17	*	*
	CHP and/or Cogeneration Process	--	*	1	24	*	0
	Direct Uses-Total Process	25	*	*	19	*	0
	Process Heating	1	*	*	16	*	0
	Process Cooling and Refrigeration	12	0	*	*	0	0
	Machine Drive	12	0	*	1	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	*	*	1	*	0
	Direct Uses-Total Nonprocess	6	*	1	5	*	0
	Facility HVAC (g)	2	*	*	3	*	0
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	1	0	*	1	*	0
	Onsite Transportation	*	--	1	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	1	Q	*	2	*	0

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Table 5.4 End Uses of Fuel Consumption, 2010;

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Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
3116	**Animal Slaughtering and Processing**						
	TOTAL FUEL CONSUMPTION	69	5	3	125	2	Q
	Indirect Uses-Boiler Fuel	2	4	1	80	Q	0
	Conventional Boiler Use	2	2	*	45	*	0
	CHP and/or Cogeneration Process	--	2	1	35	Q	0
	Direct Uses-Total Process	53	*	*	29	1	Q
	Process Heating	3	*	*	25	1	Q
	Process Cooling and Refrigeration	29	0	*	1	*	0
	Machine Drive	20	0	*	1	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	1	0	*	1	*	0
	Direct Uses-Total Nonprocess	13	*	2	15	*	0
	Facility HVAC (g)	5	*	*	9	*	0
	Facility Lighting	6	--	--	--	--	--
	Other Facility Support	2	*	*	6	*	0
	Onsite Transportation	*	--	1	*	*	--
	Conventional Electricity Generation	--	*	*	*	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	1	*	*	1	*	0
312	**BEVERAGE AND TOBACCO PRODUCTS**						
	TOTAL FUEL CONSUMPTION	30	1	1	38	1	10
	Indirect Uses-Boiler Fuel	1	*	*	24	*	5
	Conventional Boiler Use	1	*	*	9	*	1
	CHP and/or Cogeneration Process	--	*	*	15	*	4
	Direct Uses-Total Process	20	*	1	9	*	4
	Process Heating	2	*	*	9	*	4
	Process Cooling and Refrigeration	8	0	0	*	*	0
	Machine Drive	10	0	*	*	*	*
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	0	*
	Direct Uses-Total Nonprocess	6	*	*	4	1	1
	Facility HVAC (g)	3	*	*	3	*	*
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	1	0	*	*	*	*
	Onsite Transportation	*	--	*	*	1	--
	Conventional Electricity Generation	--	0	*	0	0	*
	Other Nonprocess Use	*	0	*	*	*	*
	End Use Not Reported	3	0	*	*	*	0
3121	**Beverages**						
	TOTAL FUEL CONSUMPTION	26	*	1	34	1	8
	Indirect Uses-Boiler Fuel	1	*	*	21	*	3
	Conventional Boiler Use	1	*	*	8	*	*
	CHP and/or Cogeneration Process	--	*	*	13	*	3
	Direct Uses-Total Process	18	*	1	9	*	4

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Next MECS will be fielded in 2015

Table 5.4 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Process Heating	1	*	*	8	*	4
	Process Cooling and Refrigeration	7	0	0	*	*	0
	Machine Drive	9	0	*	*	*	*
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	0	*
	Direct Uses-Total Nonprocess	5	*	*	4	1	1
	Facility HVAC (g)	2	*	*	3	*	*
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	*
	Onsite Transportation	*	--	*	*	1	--
	Conventional Electricity Generation	--	0	*	0	0	*
	Other Nonprocess Use	*	0	*	*	*	*
	End Use Not Reported	3	0	*	*	*	0
3122	**Tobacco**						
	TOTAL FUEL CONSUMPTION	3	*	*	4	*	2
	Indirect Uses-Boiler Fuel	*	*	*	3	*	2
	Conventional Boiler Use	*	*	*	1	*	1
	CHP and/or Cogeneration Process	--	0	*	2	*	1
	Direct Uses-Total Process	2	*	*	*	*	0
	Process Heating	*	*	*	*	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	1	0	0	*	*	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	*	0	0	*	0	0
	Direct Uses-Total Nonprocess	1	*	*	*	*	0
	Facility HVAC (g)	1	*	*	*	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	0	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	0	0	0	0	0	0
313	**TEXTILE MILLS**						
	TOTAL FUEL CONSUMPTION	45	2	Q	31	1	8
	Indirect Uses-Boiler Fuel	1	1	*	17	*	7
	Conventional Boiler Use	1	*	*	8	*	Q
	CHP and/or Cogeneration Process	--	1	*	9	*	2
	Direct Uses-Total Process	34	Q	Q	11	*	Q
	Process Heating	3	Q	*	10	*	Q
	Process Cooling and Refrigeration	4	0	*	0	0	0
	Machine Drive	25	*	Q	*	*	*
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	Q	*	*	*	*	0
	Direct Uses-Total Nonprocess	10	*	*	3	*	*
	Facility HVAC (g)	6	*	*	2	*	*
	Facility Lighting	4	--	--	--	--	--

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Table 5.4 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Other Facility Support	1	0	*	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	0	0	*	*	*	0
	End Use Not Reported	1	0	0	1	*	0
314	**TEXTILE PRODUCT MILLS**						
	TOTAL FUEL CONSUMPTION	8	*	*	9	Q	Q
	Indirect Uses-Boiler Fuel	*	*	*	4	*	0
	Conventional Boiler Use	*	*	*	2	*	0
	CHP and/or Cogeneration Process	--	0	0	2	*	0
	Direct Uses-Total Process	5	0	*	3	*	Q
	Process Heating	1	0	*	3	*	Q
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	4	0	0	*	0	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	*	0	0
	Direct Uses-Total Nonprocess	3	0	*	1	Q	*
	Facility HVAC (g)	1	0	*	1	*	*
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	0	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	*	0	0	0	*	0
	End Use Not Reported	*	0	0	*	*	0
315	**APPAREL**						
	TOTAL FUEL CONSUMPTION	4	0	*	2	*	0
	Indirect Uses-Boiler Fuel	*	0	*	1	*	0
	Conventional Boiler Use	*	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	*	*	*	0
	Direct Uses-Total Process	2	0	0	1	*	0
	Process Heating	*	0	0	1	*	0
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	1	0	0	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	0	0	0
	Direct Uses-Total Nonprocess	2	0	*	1	*	0
	Facility HVAC (g)	1	0	*	1	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	*	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	*	0	0
	Other Nonprocess Use	*	0	0	0	0	0
	End Use Not Reported	*	0	0	*	*	0
316	**LEATHER AND ALLIED PRODUCTS**						

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Next MECS will be fielded in 2015

Table 5.4 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	TOTAL FUEL CONSUMPTION	1	*	*	1	*	0
	Indirect Uses-Boiler Fuel	*	0	*	*	*	0
	Conventional Boiler Use	*	0	*	*	*	0
	CHP and/or Cogeneration Process	--	0	*	*	*	0
	Direct Uses-Total Process	1	0	0	*	*	0
	Process Heating	*	0	0	*	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	*	0	0	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	*	*	0
	Direct Uses-Total Nonprocess	*	0	*	*	*	0
	Facility HVAC (g)	*	0	*	*	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	*	*	0	0
	Onsite Transportation	*	--	0	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	0	0	0	0	0	0
	End Use Not Reported	*	*	0	*	*	0
321	**WOOD PRODUCTS**						
	TOTAL FUEL CONSUMPTION	57	*	22	34	3	1
	Indirect Uses-Boiler Fuel	1	*	Q	8	*	1
	Conventional Boiler Use	1	*	*	2	*	*
	CHP and/or Cogeneration Process	--	*	Q	6	*	*
	Direct Uses-Total Process	45	*	Q	22	1	*
	Process Heating	3	*	*	21	*	*
	Process Cooling and Refrigeration	1	0	0	*	*	0
	Machine Drive	41	0	Q	1	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	*	Q	*	*	0
	Direct Uses-Total Nonprocess	9	*	7	4	2	*
	Facility HVAC (g)	3	*	*	4	*	*
	Facility Lighting	4	--	--	--	--	--
	Other Facility Support	1	*	*	*	*	0
	Onsite Transportation	*	--	7	*	1	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	1	*	Q	*	*	0
321113	**Sawmills**						
	TOTAL FUEL CONSUMPTION	19	*	Q	5	*	0
	Indirect Uses-Boiler Fuel	1	*	*	1	*	0
	Conventional Boiler Use	1	0	*	*	*	0
	CHP and/or Cogeneration Process	--	*	*	1	*	0
	Direct Uses-Total Process	15	*	Q	4	*	0
	Process Heating	1	*	*	4	*	0
	Process Cooling and Refrigeration	*	0	0	*	*	0

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Table 5.4 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Machine Drive	14	0	Q	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	*	Q	*	*	0
	Direct Uses-Total Nonprocess	2	*	2	*	*	0
	Facility HVAC (g)	1	*	*	*	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	2	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	End Use Not Reported	*	*	Q	*	*	0
3212	**Veneer, Plywood, and Engineered Woods**						
	TOTAL FUEL CONSUMPTION	22	*	2	19	1	1
	Indirect Uses-Boiler Fuel	1	*	Q	4	*	1
	Conventional Boiler Use	1	*	*	1	*	*
	CHP and/or Cogeneration Process	--	0	Q	3	*	*
	Direct Uses-Total Process	18	*	*	14	*	*
	Process Heating	1	*	*	13	*	*
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	16	0	*	1	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	0	0
	Direct Uses-Total Nonprocess	3	0	1	1	1	*
	Facility HVAC (g)	1	0	*	1	*	*
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	1	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	1	0	*	*	*	0
321219	**Reconstituted Wood Products**						
	TOTAL FUEL CONSUMPTION	14	*	Q	14	*	1
	Indirect Uses-Boiler Fuel	*	*	Q	3	*	1
	Conventional Boiler Use	*	*	*	1	*	*
	CHP and/or Cogeneration Process	--	0	Q	2	0	*
	Direct Uses-Total Process	12	*	*	11	*	*
	Process Heating	1	*	*	11	*	*
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	10	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	0	0
	Direct Uses-Total Nonprocess	2	0	*	1	*	0
	Facility HVAC (g)	1	0	*	1	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	*	*	*	--

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Table 5.4 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	End Use Not Reported	*	0	0	*	*	0
3219	**Other Wood Products**						
	TOTAL FUEL CONSUMPTION	15	*	5	7	2	*
	Indirect Uses-Boiler Fuel	*	0	*	2	*	0
	Conventional Boiler Use	*	0	*	1	*	0
	CHP and/or Cogeneration Process	--	0	*	1	*	0
	Direct Uses-Total Process	11	0	1	3	*	*
	Process Heating	1	0	*	3	*	*
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	10	0	1	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	0	0
	Direct Uses-Total Nonprocess	3	*	4	2	1	0
	Facility HVAC (g)	1	*	*	2	*	0
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	3	0	1	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	*	*	*	*	*	0
322	**PAPER**						
	TOTAL FUEL CONSUMPTION	353	35	6	399	4	207
	Indirect Uses-Boiler Fuel	16	23	3	240	*	201
	Conventional Boiler Use	16	7	*	50	*	7
	CHP and/or Cogeneration Process	--	17	2	190	*	194
	Direct Uses-Total Process	290	11	1	132	1	6
	Process Heating	9	10	1	120	*	4
	Process Cooling and Refrigeration	5	0	0	*	0	0
	Machine Drive	263	*	*	10	*	*
	Electro-Chemical Processes	2	--	--	--	--	--
	Other Process Use	10	0	*	2	*	1
	Direct Uses-Total Nonprocess	30	1	2	17	3	*
	Facility HVAC (g)	14	*	*	14	*	*
	Facility Lighting	13	--	--	--	--	--
	Other Facility Support	3	0	*	1	*	0
	Onsite Transportation	*	--	2	*	2	--
	Conventional Electricity Generation	--	1	*	2	0	*
	Other Nonprocess Use	*	*	*	*	*	0
	End Use Not Reported	17	*	*	9	*	0
322110	**Pulp Mills**						
	TOTAL FUEL CONSUMPTION	24	8	1	19	*	*

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Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Indirect Uses-Boiler Fuel	4	6	1	11	*	*
	Conventional Boiler Use	4	0	0	1	0	0
	CHP and/or Cogeneration Process	--	6	1	9	*	*
	Direct Uses-Total Process	18	2	*	9	*	0
	Process Heating	2	2	*	8	*	0
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	16	0	*	*	0	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	0	0	0	*	0	0
	Direct Uses-Total Nonprocess	2	0	*	*	*	0
	Facility HVAC (g)	1	0	0	*	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	0	0	*	0	*	0
	End Use Not Reported	0	0	0	0	*	0
322121	**Paper Mills, except Newsprint**						
	TOTAL FUEL CONSUMPTION	132	13	2	172	1	113
	Indirect Uses-Boiler Fuel	8	8	1	104	*	107
	Conventional Boiler Use	8	3	*	25	*	2
	CHP and/or Cogeneration Process	--	5	1	79	*	105
	Direct Uses-Total Process	104	5	*	60	*	6
	Process Heating	4	5	*	54	*	4
	Process Cooling and Refrigeration	2	0	0	0	0	0
	Machine Drive	97	*	*	5	*	*
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	1	0	*	1	0	1
	Direct Uses-Total Nonprocess	10	1	1	3	1	*
	Facility HVAC (g)	5	*	*	3	*	*
	Facility Lighting	4	--	--	--	--	--
	Other Facility Support	1	0	*	*	*	0
	Onsite Transportation	*	--	1	0	1	--
	Conventional Electricity Generation	--	1	*	*	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	11	*	*	5	*	0
322122	**Newsprint Mills**						
	TOTAL FUEL CONSUMPTION	41	1	1	3	*	23
	Indirect Uses-Boiler Fuel	*	1	*	1	0	23
	Conventional Boiler Use	*	1	*	1	0	2
	CHP and/or Cogeneration Process	--	1	*	*	0	20
	Direct Uses-Total Process	39	0	*	2	*	0
	Process Heating	*	0	0	2	*	0
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	31	0	*	0	0	0
	Electro-Chemical Processes	*	--	--	--	--	--

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Table 5.4 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Other Process Use	8	0	0	0	0	0
	Direct Uses-Total Nonprocess	2	0	*	*	*	0
	Facility HVAC (g)	1	0	0	*	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	0	0	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	End Use Not Reported	*	0	0	0	*	0
322130	**Paperboard Mills**						
	TOTAL FUEL CONSUMPTION	115	11	2	142	*	67
	Indirect Uses-Boiler Fuel	4	8	1	96	*	67
	Conventional Boiler Use	4	2	*	15	*	1
	CHP and/or Cogeneration Process	--	5	1	81	*	65
	Direct Uses-Total Process	101	3	*	39	*	0
	Process Heating	1	3	*	34	*	0
	Process Cooling and Refrigeration	1	0	0	0	0	0
	Machine Drive	96	0	*	4	*	0
	Electro-Chemical Processes	2	--	--	--	--	--
	Other Process Use	1	0	0	1	0	0
	Direct Uses-Total Nonprocess	7	*	1	5	*	*
	Facility HVAC (g)	3	*	*	2	*	*
	Facility Lighting	3	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	1	0	*	--
	Conventional Electricity Generation	--	0	*	2	0	*
	Other Nonprocess Use	*	*	*	0	*	0
	End Use Not Reported	4	*	*	2	*	0
323	**PRINTING AND RELATED SUPPORT**						
	TOTAL FUEL CONSUMPTION	47	Q	*	34	1	0
	Indirect Uses-Boiler Fuel	1	0	*	7	*	0
	Conventional Boiler Use	1	0	0	3	*	0
	CHP and/or Cogeneration Process	--	0	*	5	*	0
	Direct Uses-Total Process	27	0	*	16	*	0
	Process Heating	2	0	*	12	*	0
	Process Cooling and Refrigeration	2	0	0	Q	0	0
	Machine Drive	22	0	0	1	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	1	0	0	*	*	0
	Direct Uses-Total Nonprocess	18	Q	*	9	*	0
	Facility HVAC (g)	11	Q	*	9	*	0
	Facility Lighting	4	--	--	--	--	--
	Other Facility Support	2	0	*	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	0	*	0

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Row: End Uses within NAICS Codes;
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Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	End Use Not Reported	2	0	*	Q	*	0
324	**PETROLEUM AND COAL PRODUCTS**						
	TOTAL FUEL CONSUMPTION	225	17	24	918	26	11
	Indirect Uses-Boiler Fuel	2	4	7	298	7	3
	Conventional Boiler Use	2	4	*	102	2	1
	CHP and/or Cogeneration Process	--	1	7	196	5	2
	Direct Uses-Total Process	203	10	11	567	18	9
	Process Heating	8	10	7	516	18	4
	Process Cooling and Refrigeration	10	0	*	6	*	0
	Machine Drive	181	0	2	16	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	4	0	2	28	*	5
	Direct Uses-Total Nonprocess	17	*	6	19	1	*
	Facility HVAC (g)	8	*	1	3	*	*
	Facility Lighting	6	--	--	--	--	--
	Other Facility Support	2	0	*	1	*	0
	Onsite Transportation	*	--	5	*	*	--
	Conventional Electricity Generation	--	0	*	15	*	0
	Other Nonprocess Use	1	*	*	*	*	0
	End Use Not Reported	3	2	1	34	1	0
324110	**Petroleum Refineries**						
	TOTAL FUEL CONSUMPTION	213	14	11	859	25	1
	Indirect Uses-Boiler Fuel	2	4	6	286	7	1
	Conventional Boiler Use	2	4	*	98	2	1
	CHP and/or Cogeneration Process	--	*	6	188	5	0
	Direct Uses-Total Process	194	7	2	524	17	0
	Process Heating	7	7	1	475	17	0
	Process Cooling and Refrigeration	10	0	*	6	*	0
	Machine Drive	173	0	1	14	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	4	0	*	28	*	0
	Direct Uses-Total Nonprocess	15	0	2	17	*	0
	Facility HVAC (g)	7	0	*	2	*	0
	Facility Lighting	5	--	--	--	--	--
	Other Facility Support	2	0	*	*	*	0
	Onsite Transportation	*	--	2	*	*	--
	Conventional Electricity Generation	--	0	*	15	*	0
	Other Nonprocess Use	1	0	*	*	0	0
	End Use Not Reported	2	2	*	33	1	0
324121	**Asphalt Paving Mixture and Block**						
	TOTAL FUEL CONSUMPTION	6	3	12	39	1	Q
	Indirect Uses-Boiler Fuel	*	*	*	5	*	0
	Conventional Boiler Use	*	*	*	2	*	0

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Table 5.4 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	CHP and/or Cogeneration Process	--	0	*	3	*	0
	Direct Uses-Total Process	5	3	8	33	1	Q
	Process Heating	1	3	6	30	1	Q
	Process Cooling and Refrigeration	*	0	*	*	0	0
	Machine Drive	4	0	1	2	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	2	*	*	0
	Direct Uses-Total Nonprocess	1	*	3	1	*	0
	Facility HVAC (g)	*	*	1	1	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	3	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	*	*	*	*	0
	End Use Not Reported	*	*	*	Q	*	0
324199	**Other Petroleum and Coal Products**						
	TOTAL FUEL CONSUMPTION	2	*	*	5	*	9
	Indirect Uses-Boiler Fuel	*	*	0	1	0	1
	Conventional Boiler Use	*	*	0	*	0	*
	CHP and/or Cogeneration Process	--	*	0	1	0	1
	Direct Uses-Total Process	2	0	*	4	*	8
	Process Heating	*	0	*	4	*	3
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	1	0	*	*	0	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	0	*	5
	Direct Uses-Total Nonprocess	*	0	*	*	*	*
	Facility HVAC (g)	*	0	*	*	*	*
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	*	*	*	0
	End Use Not Reported	0	0	0	0	*	0
325	**CHEMICALS**						
	TOTAL FUEL CONSUMPTION	638	7	8	1,784	7	200
	Indirect Uses-Boiler Fuel	7	4	2	1,000	1	187
	Conventional Boiler Use	7	2	1	302	1	29
	CHP and/or Cogeneration Process	--	3	1	697	*	158
	Direct Uses-Total Process	566	2	2	750	1	13
	Process Heating	22	2	1	624	*	13
	Process Cooling and Refrigeration	53	0	*	9	*	0
	Machine Drive	348	*	1	68	*	0
	Electro-Chemical Processes	139	--	--	--	--	--
	Other Process Use	4	0	*	49	*	0
	Direct Uses-Total Nonprocess	62	*	4	32	4	1

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Level: National Data;
Row: End Uses within NAICS Codes;
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Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Facility HVAC (g)	33	0	*	24	*	1
	Facility Lighting	21	--	--	--	--	--
	Other Facility Support	8	0	*	4	Q	0
	Onsite Transportation	*	--	3	*	1	--
	Conventional Electricity Generation	--	0	*	1	*	0
	Other Nonprocess Use	1	*	*	2	*	0
	End Use Not Reported	3	*	*	3	1	0
325110	**Petrochemicals**						
	TOTAL FUEL CONSUMPTION	41	1	*	248	1	0
	Indirect Uses-Boiler Fuel	*	1	*	67	0	0
	Conventional Boiler Use	*	1	*	22	0	0
	CHP and/or Cogeneration Process	--	*	*	45	0	0
	Direct Uses-Total Process	39	0	*	180	*	0
	Process Heating	*	0	*	W	0	0
	Process Cooling and Refrigeration	8	0	0	3	*	0
	Machine Drive	29	0	*	W	0	0
	Electro-Chemical Processes	2	--	--	--	--	--
	Other Process Use	*	0	*	1	*	0
	Direct Uses-Total Nonprocess	1	0	*	1	*	0
	Facility HVAC (g)	1	0	0	*	0	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	0	0	*	1	0	0
	End Use Not Reported	*	0	*	*	1	0
325120	**Industrial Gases**						
	TOTAL FUEL CONSUMPTION	66	0	*	27	*	0
	Indirect Uses-Boiler Fuel	*	0	*	Q	0	0
	Conventional Boiler Use	*	0	*	2	0	0
	CHP and/or Cogeneration Process	--	0	*	Q	0	0
	Direct Uses-Total Process	64	0	*	12	*	0
	Process Heating	1	0	*	3	0	0
	Process Cooling and Refrigeration	1	0	*	*	0	0
	Machine Drive	42	0	*	0	*	0
	Electro-Chemical Processes	20	--	--	--	--	--
	Other Process Use	*	0	0	8	*	0
	Direct Uses-Total Nonprocess	2	0	*	*	*	0
	Facility HVAC (g)	1	0	*	*	0	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	*	0	0	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	0	0	0	0
	End Use Not Reported	1	0	*	0	*	0

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Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
325181	**Alkalies and Chlorine**						
	TOTAL FUEL CONSUMPTION	W	0	*	W	*	39
	Indirect Uses-Boiler Fuel	*	0	*	76	*	35
	Conventional Boiler Use	*	0	*	6	0	0
	CHP and/or Cogeneration Process	--	0	*	69	*	35
	Direct Uses-Total Process	66	0	*	W	*	4
	Process Heating	*	0	0	W	*	4
	Process Cooling and Refrigeration	1	0	0	0	0	0
	Machine Drive	11	0	*	W	0	0
	Electro-Chemical Processes	53	--	--	--	--	--
	Other Process Use	0	0	0	*	0	0
	Direct Uses-Total Nonprocess	W	0	*	*	*	0
	Facility HVAC (g)	1	0	*	*	*	0
	Facility Lighting	W	--	--	--	--	--
	Other Facility Support	*	0	0	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	*	0	0	0
	End Use Not Reported	*	0	0	0	*	0
325182	**Carbon Black**						
	TOTAL FUEL CONSUMPTION	3	*	*	11	*	0
	Indirect Uses-Boiler Fuel	*	0	0	*	0	0
	Conventional Boiler Use	*	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	2	*	*	11	0	0
	Process Heating	*	0	0	8	0	0
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	2	*	*	2	0	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	*	0	0	*	0	0
	Direct Uses-Total Nonprocess	*	0	*	*	*	0
	Facility HVAC (g)	*	0	0	*	0	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	0	*	0	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	0	*	0	0
	End Use Not Reported	0	0	0	0	0	0
325188	**Other Basic Inorganic Chemicals**						
	TOTAL FUEL CONSUMPTION	87	1	1	49	*	17
	Indirect Uses-Boiler Fuel	*	*	*	18	*	17
	Conventional Boiler Use	*	*	*	8	*	1
	CHP and/or Cogeneration Process	--	0	*	10	0	16
	Direct Uses-Total Process	84	1	*	30	*	*

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Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Process Heating	5	1	*	29	*	*
	Process Cooling and Refrigeration	1	0	*	*	0	0
	Machine Drive	60	0	*	*	0	0
	Electro-Chemical Processes	17	--	--	--	--	--
	Other Process Use	*	0	0	*	*	0
	Direct Uses-Total Nonprocess	3	0	*	2	*	0
	Facility HVAC (g)	1	0	*	1	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	*	0	*	*	*	0
325192	**Cyclic Crudes and Intermediates**						
	TOTAL FUEL CONSUMPTION	9	2	*	22	*	0
	Indirect Uses-Boiler Fuel	*	1	*	13	*	0
	Conventional Boiler Use	*	*	*	9	*	0
	CHP and/or Cogeneration Process	--	1	*	4	0	0
	Direct Uses-Total Process	8	0	*	9	*	0
	Process Heating	1	0	*	9	*	0
	Process Cooling and Refrigeration	2	0	*	0	0	0
	Machine Drive	5	0	*	0	0	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	0	0	0	0	0	0
	Direct Uses-Total Nonprocess	1	0	*	*	*	0
	Facility HVAC (g)	1	0	*	*	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	0	0	0	0
	End Use Not Reported	0	*	0	0	0	0
325193	**Ethyl Alcohol**						
	TOTAL FUEL CONSUMPTION	27	0	*	252	*	25
	Indirect Uses-Boiler Fuel	1	0	*	146	*	18
	Conventional Boiler Use	1	0	*	74	*	3
	CHP and/or Cogeneration Process	--	0	*	72	*	15
	Direct Uses-Total Process	23	0	*	101	*	7
	Process Heating	2	0	*	91	*	7
	Process Cooling and Refrigeration	2	0	0	*	0	0
	Machine Drive	19	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	9	*	0
	Direct Uses-Total Nonprocess	2	0	*	3	*	0
	Facility HVAC (g)	1	0	*	2	*	0
	Facility Lighting	1	--	--	--	--	--

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Table 5.4 End Uses of Fuel Consumption, 2010;

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Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Other Facility Support	*	0	0	1	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	*	*	*	0
	End Use Not Reported	*	0	*	3	*	0
325199	**Other Basic Organic Chemicals**						
	TOTAL FUEL CONSUMPTION	93	*	1	378	*	59
	Indirect Uses-Boiler Fuel	1	*	*	258	*	59
	Conventional Boiler Use	1	*	*	63	0	3
	CHP and/or Cogeneration Process	--	0	*	195	*	56
	Direct Uses-Total Process	85	0	*	116	*	0
	Process Heating	2	0	*	87	*	0
	Process Cooling and Refrigeration	12	0	*	4	*	0
	Machine Drive	53	0	*	5	*	0
	Electro-Chemical Processes	15	--	--	--	--	--
	Other Process Use	1	0	*	19	*	0
	Direct Uses-Total Nonprocess	8	0	*	5	*	0
	Facility HVAC (g)	3	0	*	3	*	0
	Facility Lighting	3	--	--	--	--	--
	Other Facility Support	1	0	*	1	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	1	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	*	0	*	*	*	0
325211	**Plastics Materials and Resins**						
	TOTAL FUEL CONSUMPTION	114	Q	1	307	1	12
	Indirect Uses-Boiler Fuel	1	*	*	233	1	12
	Conventional Boiler Use	1	*	*	41	1	10
	CHP and/or Cogeneration Process	--	0	*	192	*	3
	Direct Uses-Total Process	104	Q	*	70	*	0
	Process Heating	3	Q	*	61	*	0
	Process Cooling and Refrigeration	8	0	*	1	*	0
	Machine Drive	62	0	*	3	*	0
	Electro-Chemical Processes	31	--	--	--	--	--
	Other Process Use	*	0	*	5	*	0
	Direct Uses-Total Nonprocess	8	0	*	4	*	0
	Facility HVAC (g)	4	0	*	2	*	0
	Facility Lighting	3	--	--	--	--	--
	Other Facility Support	1	0	*	1	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	*	0	*	*	*	0
325212	**Synthetic Rubber**						

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	TOTAL FUEL CONSUMPTION	7	0	*	22	*	3
	Indirect Uses-Boiler Fuel	*	0	*	19	0	3
	Conventional Boiler Use	*	0	*	6	0	1
	CHP and/or Cogeneration Process	--	0	*	14	0	2
	Direct Uses-Total Process	5	0	*	2	*	0
	Process Heating	*	0	0	W	0	0
	Process Cooling and Refrigeration	1	0	0	*	0	0
	Machine Drive	4	0	*	W	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	1	*	0
	Direct Uses-Total Nonprocess	1	0	*	*	*	0
	Facility HVAC (g)	*	0	0	*	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	1	0	*	0	*	0
325222	**Noncellulosic Organic Fibers**						
	TOTAL FUEL CONSUMPTION	10	*	*	10	*	3
	Indirect Uses-Boiler Fuel	*	*	*	6	*	3
	Conventional Boiler Use	*	*	*	4	0	2
	CHP and/or Cogeneration Process	--	*	*	2	*	1
	Direct Uses-Total Process	8	*	*	3	*	0
	Process Heating	1	*	0	W	*	0
	Process Cooling and Refrigeration	1	0	0	*	0	0
	Machine Drive	5	0	*	W	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	1	0	*	*	0	0
	Direct Uses-Total Nonprocess	2	0	*	*	*	0
	Facility HVAC (g)	1	0	0	*	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	0	0	0	0	*	0
325311	**Nitrogenous Fertilizers**						
	TOTAL FUEL CONSUMPTION	12	*	*	152	*	0
	Indirect Uses-Boiler Fuel	*	*	*	49	*	0
	Conventional Boiler Use	*	0	*	30	*	0
	CHP and/or Cogeneration Process	--	*	*	19	*	0
	Direct Uses-Total Process	11	0	*	102	*	0
	Process Heating	*	0	*	97	*	0
	Process Cooling and Refrigeration	2	0	0	0	0	0

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Machine Drive	9	0	*	3	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	3	*	0
	Direct Uses-Total Nonprocess	1	0	*	1	*	0
	Facility HVAC (g)	*	0	*	1	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	0	0	*	-1	*	0
325312	**Phosphatic Fertilizers**						
	TOTAL FUEL CONSUMPTION	12	*	1	27	*	2
	Indirect Uses-Boiler Fuel	*	*	*	3	0	0
	Conventional Boiler Use	*	0	0	2	0	0
	CHP and/or Cogeneration Process	--	*	*	1	0	0
	Direct Uses-Total Process	11	*	*	24	*	2
	Process Heating	*	*	*	24	0	2
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	11	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	0	0
	Direct Uses-Total Nonprocess	1	0	1	*	*	0
	Facility HVAC (g)	*	0	*	*	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	0	*	0	0
	Onsite Transportation	*	--	1	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	0	0	0
	End Use Not Reported	*	0	0	*	0	0
3254	**Pharmaceuticals and Medicines**						
	TOTAL FUEL CONSUMPTION	34	*	1	49	*	4
	Indirect Uses-Boiler Fuel	*	*	*	38	*	3
	Conventional Boiler Use	*	*	*	17	*	3
	CHP and/or Cogeneration Process	--	*	*	21	*	0
	Direct Uses-Total Process	17	*	*	5	*	0
	Process Heating	2	*	0	4	*	0
	Process Cooling and Refrigeration	5	0	*	*	0	0
	Machine Drive	9	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	1	0	*	1	*	0
	Direct Uses-Total Nonprocess	17	*	*	6	*	1
	Facility HVAC (g)	11	0	*	5	*	1
	Facility Lighting	4	--	--	--	--	--
	Other Facility Support	2	0	*	1	*	0
	Onsite Transportation	*	--	*	0	*	--

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	*	*	*	*	*	0
	End Use Not Reported	*	0	*	*	*	0
325412	**Pharmaceutical Preparation**						
	TOTAL FUEL CONSUMPTION	20	*	*	24	*	4
	Indirect Uses-Boiler Fuel	*	*	*	17	*	3
	Conventional Boiler Use	*	*	*	8	*	3
	CHP and/or Cogeneration Process	--	*	*	8	*	0
	Direct Uses-Total Process	10	*	*	3	*	0
	Process Heating	1	*	0	2	*	0
	Process Cooling and Refrigeration	3	0	0	*	0	0
	Machine Drive	6	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	1	0	*	1	*	0
	Direct Uses-Total Nonprocess	9	0	*	4	*	1
	Facility HVAC (g)	6	0	*	3	*	1
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	1	0	*	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	*	0	*	*	*	0
325992	**Photographic Film, Paper, Plate, and Chemicals**						
	TOTAL FUEL CONSUMPTION	6	*	*	6	*	9
	Indirect Uses-Boiler Fuel	*	*	*	5	0	9
	Conventional Boiler Use	*	0	*	3	0	0
	CHP and/or Cogeneration Process	--	*	*	2	0	9
	Direct Uses-Total Process	4	0	*	1	*	0
	Process Heating	*	0	0	1	0	0
	Process Cooling and Refrigeration	1	0	0	0	0	0
	Machine Drive	2	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	0	0
	Direct Uses-Total Nonprocess	2	0	*	*	*	0
	Facility HVAC (g)	1	0	*	*	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	*	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	*	0	0	*	0	0
326	**PLASTICS AND RUBBER PRODUCTS**						
	TOTAL FUEL CONSUMPTION	157	*	2	103	2	Q

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Table 5.4 End Uses of Fuel Consumption, 2010;

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Indirect Uses-Boiler Fuel	1	*	2	44	*	Q
	Conventional Boiler Use	1	*	Q	20	*	0
	CHP and/or Cogeneration Process	--	0	1	24	*	Q
	Direct Uses-Total Process	120	0	*	37	*	0
	Process Heating	29	0	0	34	*	0
	Process Cooling and Refrigeration	18	0	0	1	*	0
	Machine Drive	68	0	*	Q	*	0
	Electro-Chemical Processes	1	--	--	--	--	--
	Other Process Use	5	0	0	Q	*	0
	Direct Uses-Total Nonprocess	33	0	*	23	1	0
	Facility HVAC (g)	16	0	*	21	*	0
	Facility Lighting	13	--	--	--	--	--
	Other Facility Support	3	0	*	1	*	0
	Onsite Transportation	*	--	*	*	1	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	Q	*	0
	End Use Not Reported	Q	0	*	Q	*	0
327	**NONMETALLIC MINERAL PRODUCTS**						
	TOTAL FUEL CONSUMPTION	112	1	23	273	2	217
	Indirect Uses-Boiler Fuel	*	*	*	11	*	*
	Conventional Boiler Use	*	0	*	3	*	0
	CHP and/or Cogeneration Process	--	*	*	7	*	*
	Direct Uses-Total Process	96	1	12	239	1	216
	Process Heating	29	*	2	235	1	216
	Process Cooling and Refrigeration	3	0	*	Q	0	0
	Machine Drive	61	*	10	2	Q	0
	Electro-Chemical Processes	1	--	--	--	--	--
	Other Process Use	2	0	*	1	*	*
	Direct Uses-Total Nonprocess	14	*	10	17	1	*
	Facility HVAC (g)	7	*	*	16	*	*
	Facility Lighting	6	--	--	--	--	--
	Other Facility Support	1	*	*	1	*	0
	Onsite Transportation	*	--	9	*	1	--
	Conventional Electricity Generation	--	*	*	*	*	0
	Other Nonprocess Use	*	0	Q	*	*	*
	End Use Not Reported	1	0	*	6	*	0
327121	**Brick and Structural Clay Tile**						
	TOTAL FUEL CONSUMPTION	2	*	*	16	*	1
	Indirect Uses-Boiler Fuel	*	0	0	*	0	0
	Conventional Boiler Use	*	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	2	*	*	15	*	1
	Process Heating	*	*	*	15	*	1
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	1	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--

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Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Other Process Use	0	0	*	0	0	0
	Direct Uses-Total Nonprocess	*	0	*	*	*	0
	Facility HVAC (g)	*	0	*	*	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	0	0
	End Use Not Reported	*	0	0	1	*	0
327211	**Flat Glass**						
	TOTAL FUEL CONSUMPTION	6	0	*	43	*	0
	Indirect Uses-Boiler Fuel	*	0	0	*	0	0
	Conventional Boiler Use	*	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	0	0	0
	Direct Uses-Total Process	5	0	*	41	*	0
	Process Heating	2	0	*	41	*	0
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	2	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	0	0	0
	Direct Uses-Total Nonprocess	1	0	*	1	*	0
	Facility HVAC (g)	*	0	0	1	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	0	0	0
	End Use Not Reported	*	0	0	0	*	0
327212	**Other Pressed and Blown Glass and Glassware**						
	TOTAL FUEL CONSUMPTION	9	0	*	28	*	0
	Indirect Uses-Boiler Fuel	*	0	*	1	*	0
	Conventional Boiler Use	*	0	*	*	*	0
	CHP and/or Cogeneration Process	--	0	0	1	*	0
	Direct Uses-Total Process	7	0	*	25	*	0
	Process Heating	4	0	*	24	*	0
	Process Cooling and Refrigeration	1	0	0	*	0	0
	Machine Drive	2	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	0	0
	Direct Uses-Total Nonprocess	1	0	*	1	*	0
	Facility HVAC (g)	1	0	0	1	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	0	*	0

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Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	End Use Not Reported	*	0	0	1	*	0
327213	**Glass Containers**						
	TOTAL FUEL CONSUMPTION	12	0	*	46	*	0
	Indirect Uses-Boiler Fuel	*	0	0	*	0	0
	Conventional Boiler Use	*	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	11	0	*	44	*	0
	Process Heating	5	0	*	44	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	6	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	*	0	0
	Direct Uses-Total Nonprocess	1	0	*	2	*	0
	Facility HVAC (g)	1	0	*	2	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	*	0	*	0
	End Use Not Reported	*	0	*	0	*	0
327215	**Glass Products from Purchased Glass**						
	TOTAL FUEL CONSUMPTION	9	0	*	5	*	*
	Indirect Uses-Boiler Fuel	*	0	0	*	0	0
	Conventional Boiler Use	*	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	7	0	*	3	*	0
	Process Heating	3	0	*	3	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	2	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	*	0
	Direct Uses-Total Nonprocess	2	0	*	1	*	*
	Facility HVAC (g)	1	0	*	1	*	*
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	*	0	*	*	*	0
327310	**Cements**						
	TOTAL FUEL CONSUMPTION	32	*	3	13	*	135
	Indirect Uses-Boiler Fuel	*	0	0	*	*	0
	Conventional Boiler Use	*	0	0	*	*	0

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	CHP and/or Cogeneration Process	--	0	0	0	0	0
	Direct Uses-Total Process	30	*	1	12	*	135
	Process Heating	6	*	*	12	*	135
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	23	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	0	*	*
	Direct Uses-Total Nonprocess	2	0	2	*	*	0
	Facility HVAC (g)	1	0	*	*	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	2	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	*	0	0	0	*	0
327410	**Lime**						
	TOTAL FUEL CONSUMPTION	5	*	5	3	*	77
	Indirect Uses-Boiler Fuel	*	0	0	*	0	0
	Conventional Boiler Use	*	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	0	0	0
	Direct Uses-Total Process	5	0	4	3	*	77
	Process Heating	1	0	*	3	*	77
	Process Cooling and Refrigeration	*	0	*	0	0	0
	Machine Drive	3	0	4	0	*	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	*	0	*	0	0	0
	Direct Uses-Total Nonprocess	*	*	1	*	*	0
	Facility HVAC (g)	*	*	*	*	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	0	--	1	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	End Use Not Reported	*	0	0	0	*	0
327420	**Gypsum**						
	TOTAL FUEL CONSUMPTION	5	*	*	39	*	0
	Indirect Uses-Boiler Fuel	*	0	0	1	0	0
	Conventional Boiler Use	*	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	4	0	*	36	*	0
	Process Heating	*	0	*	35	*	0
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	4	0	*	1	*	0
	Electro-Chemical Processes	0	--	--	--	--	--
	Other Process Use	*	0	*	*	*	0
	Direct Uses-Total Nonprocess	1	*	*	2	*	0

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Facility HVAC (g)	*	*	*	2	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	0	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	0	0	0	0	0	0
	End Use Not Reported	*	0	0	0	0	0
327993	**Mineral Wool**						
	TOTAL FUEL CONSUMPTION	12	0	*	24	*	0
	Indirect Uses-Boiler Fuel	*	0	*	1	0	0
	Conventional Boiler Use	*	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	*	1	0	0
	Direct Uses-Total Process	10	0	*	21	*	0
	Process Heating	5	0	*	21	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	5	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	*	0
	Direct Uses-Total Nonprocess	2	0	*	2	*	0
	Facility HVAC (g)	1	0	*	2	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	0	0	*	*	*	0
	End Use Not Reported	0	0	0	0	0	0
331	**PRIMARY METALS**						
	TOTAL FUEL CONSUMPTION	420	1	9	537	3	23
	Indirect Uses-Boiler Fuel	1	1	*	63	*	0
	Conventional Boiler Use	1	*	*	22	*	0
	CHP and/or Cogeneration Process	--	*	*	42	*	0
	Direct Uses-Total Process	380	*	3	434	1	21
	Process Heating	130	*	*	403	1	21
	Process Cooling and Refrigeration	5	0	*	3	*	0
	Machine Drive	125	*	1	12	*	0
	Electro-Chemical Processes	107	--	--	--	--	--
	Other Process Use	13	0	1	16	*	1
	Direct Uses-Total Nonprocess	36	*	6	38	1	1
	Facility HVAC (g)	15	*	*	33	*	0
	Facility Lighting	15	--	--	--	--	--
	Other Facility Support	4	0	*	3	*	0
	Onsite Transportation	*	--	6	*	1	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	2	0	*	1	*	1
	End Use Not Reported	2	0	*	Q	*	0

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
331111	**Iron and Steel Mills**						
	TOTAL FUEL CONSUMPTION	188	*	5	325	*	23
	Indirect Uses-Boiler Fuel	*	*	*	38	*	0
	Conventional Boiler Use	*	*	*	W	*	0
	CHP and/or Cogeneration Process	--	*	*	W	*	0
	Direct Uses-Total Process	169	0	2	272	*	21
	Process Heating	82	0	*	252	*	21
	Process Cooling and Refrigeration	2	0	*	2	*	0
	Machine Drive	76	0	*	6	*	0
	Electro-Chemical Processes	5	--	--	--	--	--
	Other Process Use	5	0	1	11	*	1
	Direct Uses-Total Nonprocess	17	0	3	16	*	1
	Facility HVAC (g)	7	0	*	13	*	0
	Facility Lighting	7	--	--	--	--	--
	Other Facility Support	2	0	*	2	*	0
	Onsite Transportation	*	--	3	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	1	0	*	1	*	1
	End Use Not Reported	2	0	*	*	*	0
331112	**Electrometallurgical Ferroalloy Products**						
	TOTAL FUEL CONSUMPTION	11	0	*	1	*	0
	Indirect Uses-Boiler Fuel	*	0	0	*	0	0
	Conventional Boiler Use	*	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	10	0	*	1	*	0
	Process Heating	5	0	*	1	*	0
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	1	0	*	0	*	0
	Electro-Chemical Processes	5	--	--	--	--	--
	Other Process Use	*	0	0	0	0	0
	Direct Uses-Total Nonprocess	*	0	*	*	*	0
	Facility HVAC (g)	*	0	*	*	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	0	0	*	0	*	0
	End Use Not Reported	*	0	0	0	*	0
3312	**Steel Products from Purchased Steel**						
	TOTAL FUEL CONSUMPTION	18	*	*	18	*	0
	Indirect Uses-Boiler Fuel	*	0	*	2	*	0
	Conventional Boiler Use	*	0	0	1	*	0
	CHP and/or Cogeneration Process	--	0	*	1	0	0
	Direct Uses-Total Process	15	*	*	13	*	0

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Process Heating	4	0	*	12	*	0
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	9	*	*	*	*	0
	Electro-Chemical Processes	1	--	--	--	--	--
	Other Process Use	*	0	0	*	*	0
	Direct Uses-Total Nonprocess	3	0	*	4	*	0
	Facility HVAC (g)	1	0	*	3	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	*	0	0	*	*	0
3313	**Alumina and Aluminum**						
	TOTAL FUEL CONSUMPTION	118	*	2	96	1	0
	Indirect Uses-Boiler Fuel	1	*	*	13	*	0
	Conventional Boiler Use	1	*	*	W	*	0
	CHP and/or Cogeneration Process	--	0	0	W	0	0
	Direct Uses-Total Process	113	*	1	78	*	0
	Process Heating	5	*	*	73	*	0
	Process Cooling and Refrigeration	1	0	*	*	0	0
	Machine Drive	17	0	*	5	*	0
	Electro-Chemical Processes	90	--	--	--	--	--
	Other Process Use	*	0	*	*	*	0
	Direct Uses-Total Nonprocess	4	0	1	5	*	0
	Facility HVAC (g)	2	0	*	4	*	0
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	1	0	0	1	*	0
	Onsite Transportation	*	--	1	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	*	0	*	*	*	0
331314	**Secondary Smelting and Alloying of Aluminum**						
	TOTAL FUEL CONSUMPTION	9	*	*	14	*	0
	Indirect Uses-Boiler Fuel	*	0	0	1	0	0
	Conventional Boiler Use	*	0	0	0	0	0
	CHP and/or Cogeneration Process	--	0	0	1	0	0
	Direct Uses-Total Process	9	*	*	13	*	0
	Process Heating	1	*	*	13	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	1	0	*	0	*	0
	Electro-Chemical Processes	7	--	--	--	--	--
	Other Process Use	*	0	*	*	*	0
	Direct Uses-Total Nonprocess	*	0	*	*	*	0
	Facility HVAC (g)	*	0	*	*	*	0
	Facility Lighting	*	--	--	--	--	--

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Table 5.4 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Other Facility Support	*	0	0	*	0	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	End Use Not Reported	*	0	*	*	*	0
331315	**Aluminum Sheet, Plate and Foils**						
	TOTAL FUEL CONSUMPTION	14	*	*	40	*	0
	Indirect Uses-Boiler Fuel	*	*	0	W	0	0
	Conventional Boiler Use	*	*	0	1	0	0
	CHP and/or Cogeneration Process	--	0	0	W	0	0
	Direct Uses-Total Process	13	*	*	37	*	0
	Process Heating	2	*	0	37	*	0
	Process Cooling and Refrigeration	*	0	*	*	0	0
	Machine Drive	10	0	*	0	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	*	0	0
	Direct Uses-Total Nonprocess	1	0	*	W	*	0
	Facility HVAC (g)	1	0	*	W	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	0	0	0	0
	Other Nonprocess Use	*	0	*	0	0	0
	End Use Not Reported	*	0	0	*	*	0
331316	**Aluminum Extruded Products**						
	TOTAL FUEL CONSUMPTION	5	0	*	11	*	0
	Indirect Uses-Boiler Fuel	*	0	0	W	*	0
	Conventional Boiler Use	*	0	0	W	*	0
	CHP and/or Cogeneration Process	--	0	0	W	0	0
	Direct Uses-Total Process	4	0	*	W	*	0
	Process Heating	1	0	0	W	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	3	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	*	*	0
	Direct Uses-Total Nonprocess	1	0	*	1	*	0
	Facility HVAC (g)	*	0	*	1	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	End Use Not Reported	0	0	0	0	*	0
3314	**Nonferrous Metals, except Aluminum**						

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	TOTAL FUEL CONSUMPTION	47	*	*	51	1	0
	Indirect Uses-Boiler Fuel	*	0	*	9	*	0
	Conventional Boiler Use	*	0	*	4	*	0
	CHP and/or Cogeneration Process	--	0	*	5	*	0
	Direct Uses-Total Process	42	0	*	37	1	0
	Process Heating	18	0	*	33	1	0
	Process Cooling and Refrigeration	1	0	*	*	*	0
	Machine Drive	11	0	*	*	*	0
	Electro-Chemical Processes	7	--	--	--	--	--
	Other Process Use	6	0	*	3	*	0
	Direct Uses-Total Nonprocess	4	*	*	4	*	0
	Facility HVAC (g)	2	*	*	4	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	End Use Not Reported	*	0	0	Q	*	0
331419	**Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum**						
	TOTAL FUEL CONSUMPTION	26	0	*	12	*	0
	Indirect Uses-Boiler Fuel	*	0	*	1	0	0
	Conventional Boiler Use	*	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	*	1	0	0
	Direct Uses-Total Process	25	0	*	11	*	0
	Process Heating	12	0	*	8	*	0
	Process Cooling and Refrigeration	1	0	0	*	*	0
	Machine Drive	2	0	*	0	*	0
	Electro-Chemical Processes	5	--	--	--	--	--
	Other Process Use	5	0	*	3	*	0
	Direct Uses-Total Nonprocess	1	0	*	*	*	0
	Facility HVAC (g)	*	0	*	*	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	End Use Not Reported	*	0	0	*	*	0
3315	**Foundries**						
	TOTAL FUEL CONSUMPTION	38	0	1	46	1	0
	Indirect Uses-Boiler Fuel	*	0	*	1	*	0
	Conventional Boiler Use	*	0	*	1	*	0
	CHP and/or Cogeneration Process	--	0	*	1	*	0
	Direct Uses-Total Process	31	0	*	34	*	0
	Process Heating	17	0	*	32	*	0
	Process Cooling and Refrigeration	1	0	*	*	0	0

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Level: National Data;
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Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Machine Drive	11	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	2	0	*	1	*	0
	Direct Uses-Total Nonprocess	7	0	1	10	*	0
	Facility HVAC (g)	4	0	*	9	*	0
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	1	0	*	1	*	0
	Onsite Transportation	*	--	1	*	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	*	0	0	*	*	0
331511	**Iron Foundries**						
	TOTAL FUEL CONSUMPTION	19	0	*	14	*	0
	Indirect Uses-Boiler Fuel	*	0	*	*	*	0
	Conventional Boiler Use	*	0	*	*	*	0
	CHP and/or Cogeneration Process	--	0	*	*	0	0
	Direct Uses-Total Process	15	0	*	9	*	0
	Process Heating	10	0	*	8	*	0
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	5	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	1	*	0
	Direct Uses-Total Nonprocess	4	0	*	5	*	0
	Facility HVAC (g)	2	0	*	4	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	*	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	*	0	0	0	*	0
331521	**Aluminum Die-Casting Foundries**						
	TOTAL FUEL CONSUMPTION	4	0	*	11	*	0
	Indirect Uses-Boiler Fuel	*	0	0	*	*	0
	Conventional Boiler Use	*	0	0	*	0	0
	CHP and/or Cogeneration Process	--	0	0	*	*	0
	Direct Uses-Total Process	3	0	*	9	*	0
	Process Heating	1	0	0	8	*	0
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	2	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	0	0
	Direct Uses-Total Nonprocess	1	0	*	2	*	0
	Facility HVAC (g)	*	0	*	2	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	0	*	*	0
	Onsite Transportation	*	--	*	0	*	--

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	*	0	0	*	*	0
331524	**Aluminum Foundries, except Die-Casting**						
	TOTAL FUEL CONSUMPTION	3	0	*	8	*	0
	Indirect Uses-Boiler Fuel	*	0	0	*	*	0
	Conventional Boiler Use	*	0	0	*	*	0
	CHP and/or Cogeneration Process	--	0	0	*	0	0
	Direct Uses-Total Process	2	0	*	7	*	0
	Process Heating	1	0	*	6	*	0
	Process Cooling and Refrigeration	*	0	0	*	0	0
	Machine Drive	1	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	*	*	0
	Direct Uses-Total Nonprocess	1	0	*	1	*	0
	Facility HVAC (g)	*	0	*	1	*	0
	Facility Lighting	*	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	0	0	*	0	*	0
	End Use Not Reported	*	0	0	*	*	0
332	**FABRICATED METAL PRODUCTS**						
	TOTAL FUEL CONSUMPTION	127	*	3	163	5	Q
	Indirect Uses-Boiler Fuel	*	0	*	21	*	0
	Conventional Boiler Use	*	0	0	11	0	0
	CHP and/or Cogeneration Process	--	0	*	10	*	0
	Direct Uses-Total Process	90	0	*	94	1	0
	Process Heating	27	0	*	92	1	0
	Process Cooling and Refrigeration	4	0	0	*	*	0
	Machine Drive	52	0	*	1	*	0
	Electro-Chemical Processes	Q	--	--	--	--	--
	Other Process Use	3	0	*	1	*	0
	Direct Uses-Total Nonprocess	30	0	2	30	4	Q
	Facility HVAC (g)	12	0	Q	29	1	Q
	Facility Lighting	14	--	--	--	--	--
	Other Facility Support	3	0	*	2	*	0
	Onsite Transportation	*	--	1	*	3	--
	Conventional Electricity Generation	--	0	*	*	*	0
	Other Nonprocess Use	*	0	*	0	*	0
	End Use Not Reported	8	*	*	Q	*	0
333	**MACHINERY**						
	TOTAL FUEL CONSUMPTION	70	*	3	71	2	0

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Indirect Uses-Boiler Fuel	Q	*	*	6	*	0
	Conventional Boiler Use	Q	0	0	3	*	0
	CHP and/or Cogeneration Process	--	*	*	3	0	0
	Direct Uses-Total Process	40	0	3	30	1	0
	Process Heating	8	0	*	28	*	0
	Process Cooling and Refrigeration	2	0	0	*	0	0
	Machine Drive	28	0	Q	1	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	2	0	2	Q	*	0
	Direct Uses-Total Nonprocess	28	0	1	35	1	0
	Facility HVAC (g)	14	0	*	33	*	0
	Facility Lighting	10	--	--	--	--	--
	Other Facility Support	3	0	*	1	*	0
	Onsite Transportation	*	--	*	*	1	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	Q	0	*	*	*	0
	End Use Not Reported	1	0	0	Q	*	0
334	**COMPUTER AND ELECTRONIC PRODUCTS**						
	TOTAL FUEL CONSUMPTION	101	*	*	42	*	0
	Indirect Uses-Boiler Fuel	1	*	*	14	0	0
	Conventional Boiler Use	1	0	*	12	0	0
	CHP and/or Cogeneration Process	--	*	*	3	0	0
	Direct Uses-Total Process	48	0	*	6	*	0
	Process Heating	10	0	*	5	*	0
	Process Cooling and Refrigeration	9	0	0	0	0	0
	Machine Drive	23	0	*	*	*	0
	Electro-Chemical Processes	2	--	--	--	--	--
	Other Process Use	5	0	*	1	0	0
	Direct Uses-Total Nonprocess	48	*	*	19	*	0
	Facility HVAC (g)	30	*	*	18	*	0
	Facility Lighting	12	--	--	--	--	--
	Other Facility Support	5	0	*	1	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	1	0	*	*	*	0
	End Use Not Reported	4	0	0	3	*	0
334413	**Semiconductors and Related Devices**						
	TOTAL FUEL CONSUMPTION	37	*	*	20	*	0
	Indirect Uses-Boiler Fuel	*	0	*	9	0	0
	Conventional Boiler Use	*	0	*	8	0	0
	CHP and/or Cogeneration Process	--	0	0	1	0	0
	Direct Uses-Total Process	22	0	*	3	*	0
	Process Heating	4	0	0	2	*	0
	Process Cooling and Refrigeration	4	0	0	0	0	0
	Machine Drive	9	0	*	*	*	0
	Electro-Chemical Processes	1	--	--	--	--	--

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Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Other Process Use	4	0	*	1	0	0
	Direct Uses-Total Nonprocess	12	*	*	6	*	0
	Facility HVAC (g)	9	*	*	5	*	0
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	1	0	*	*	*	0
	Onsite Transportation	0	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	1	0	*	*	*	0
	End Use Not Reported	3	0	0	3	*	0
335	**ELEC. EQUIP., APPLIANCES, COMPONENTS**						
	TOTAL FUEL CONSUMPTION	36	*	1	36	1	0
	Indirect Uses-Boiler Fuel	*	*	*	6	*	0
	Conventional Boiler Use	*	*	*	4	*	0
	CHP and/or Cogeneration Process	--	0	0	3	*	0
	Direct Uses-Total Process	24	*	*	20	*	0
	Process Heating	5	0	*	19	*	0
	Process Cooling and Refrigeration	2	0	0	*	0	0
	Machine Drive	14	*	*	*	*	0
	Electro-Chemical Processes	2	--	--	--	--	--
	Other Process Use	1	0	*	*	*	0
	Direct Uses-Total Nonprocess	12	0	1	8	1	0
	Facility HVAC (g)	6	0	*	8	*	0
	Facility Lighting	4	--	--	--	--	--
	Other Facility Support	2	0	*	1	*	0
	Onsite Transportation	*	--	*	0	1	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	*	0	0	1	*	0
336	**TRANSPORTATION EQUIPMENT**						
	TOTAL FUEL CONSUMPTION	134	2	3	127	3	3
	Indirect Uses-Boiler Fuel	1	2	*	30	*	3
	Conventional Boiler Use	1	2	*	13	*	3
	CHP and/or Cogeneration Process	--	0	*	16	*	0
	Direct Uses-Total Process	77	*	1	52	1	0
	Process Heating	14	*	*	43	*	0
	Process Cooling and Refrigeration	7	*	*	*	0	0
	Machine Drive	48	0	Q	*	Q	0
	Electro-Chemical Processes	3	--	--	--	--	--
	Other Process Use	5	0	*	8	*	0
	Direct Uses-Total Nonprocess	52	*	1	44	2	0
	Facility HVAC (g)	25	*	*	41	*	0
	Facility Lighting	20	--	--	--	--	--
	Other Facility Support	5	*	*	3	*	0
	Onsite Transportation	1	--	1	*	1	--
	Conventional Electricity Generation	--	0	*	1	0	0
	Other Nonprocess Use	1	0	*	*	*	0

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NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	End Use Not Reported	5	1	*	1	*	0
336111	**Automobiles**						
	TOTAL FUEL CONSUMPTION	10	0	*	15	*	1
	Indirect Uses-Boiler Fuel	*	0	*	3	*	1
	Conventional Boiler Use	*	0	*	2	*	1
	CHP and/or Cogeneration Process	--	0	0	1	0	0
	Direct Uses-Total Process	6	0	*	8	*	0
	Process Heating	1	0	0	8	0	0
	Process Cooling and Refrigeration	1	0	0	0	0	0
	Machine Drive	4	0	*	0	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	*	*	*	0
	Direct Uses-Total Nonprocess	4	0	*	4	*	0
	Facility HVAC (g)	2	0	0	3	*	0
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	*	0	*	1	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	End Use Not Reported	0	0	0	0	0	0
336112	**Light Trucks and Utility Vehicles**						
	TOTAL FUEL CONSUMPTION	13	0	*	23	*	1
	Indirect Uses-Boiler Fuel	*	0	*	5	0	1
	Conventional Boiler Use	*	0	0	2	0	1
	CHP and/or Cogeneration Process	--	0	*	3	0	0
	Direct Uses-Total Process	8	0	*	12	*	0
	Process Heating	1	0	0	11	0	0
	Process Cooling and Refrigeration	1	0	0	*	0	0
	Machine Drive	5	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	1	0	*	1	*	0
	Direct Uses-Total Nonprocess	4	0	*	6	*	0
	Facility HVAC (g)	2	0	0	5	*	0
	Facility Lighting	1	--	--	--	--	--
	Other Facility Support	*	0	*	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	*	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	End Use Not Reported	0	0	0	0	0	0
3364	**Aerospace Products**						
	TOTAL FUEL CONSUMPTION	34	1	1	30	*	*
	Indirect Uses-Boiler Fuel	*	*	*	14	*	*
	Conventional Boiler Use	*	*	*	7	*	*

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NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	CHP and/or Cogeneration Process	--	0	*	7	*	0
	Direct Uses-Total Process	15	*	*	5	*	0
	Process Heating	4	*	*	5	*	0
	Process Cooling and Refrigeration	2	*	*	*	0	0
	Machine Drive	8	0	*	*	*	0
	Electro-Chemical Processes	1	--	--	--	--	--
	Other Process Use	1	0	*	*	*	0
	Direct Uses-Total Nonprocess	18	*	*	10	*	0
	Facility HVAC (g)	9	*	*	9	*	0
	Facility Lighting	7	--	--	--	--	--
	Other Facility Support	2	*	*	1	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	Q	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	1	1	0	*	*	0
336411	**Aircraft**						
	TOTAL FUEL CONSUMPTION	9	*	*	10	*	0
	Indirect Uses-Boiler Fuel	*	*	*	5	*	0
	Conventional Boiler Use	*	*	*	3	*	0
	CHP and/or Cogeneration Process	--	0	0	2	0	0
	Direct Uses-Total Process	3	*	*	1	*	0
	Process Heating	1	*	*	1	*	0
	Process Cooling and Refrigeration	1	*	0	*	0	0
	Machine Drive	2	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	*	0	0
	Direct Uses-Total Nonprocess	6	*	*	4	*	0
	Facility HVAC (g)	3	*	*	3	*	0
	Facility Lighting	2	--	--	--	--	--
	Other Facility Support	1	*	0	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	End Use Not Reported	1	0	0	0	*	0
337	**FURNITURE AND RELATED PRODUCTS**						
	TOTAL FUEL CONSUMPTION	17	0	*	13	1	Q
	Indirect Uses-Boiler Fuel	*	0	0	1	0	*
	Conventional Boiler Use	*	0	0	*	0	*
	CHP and/or Cogeneration Process	--	0	0	1	0	0
	Direct Uses-Total Process	9	0	*	5	*	0
	Process Heating	1	0	*	5	*	0
	Process Cooling and Refrigeration	*	0	0	0	0	0
	Machine Drive	8	0	*	*	*	0
	Electro-Chemical Processes	*	--	--	--	--	--
	Other Process Use	*	0	0	*	0	0
	Direct Uses-Total Nonprocess	7	0	*	6	1	*

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Table 5.4 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)
	Facility HVAC (g)	3	0	*	6	*	*
	Facility Lighting	3	--	--	--	--	--
	Other Facility Support	1	0	0	*	*	0
	Onsite Transportation	*	--	*	*	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	0	*	0
	End Use Not Reported	1	0	*	*	*	0
339	**MISCELLANEOUS**						
	TOTAL FUEL CONSUMPTION	26	*	1	16	*	*
	Indirect Uses-Boiler Fuel	*	0	*	5	*	0
	Conventional Boiler Use	*	0	*	3	0	0
	CHP and/or Cogeneration Process	--	0	*	3	*	0
	Direct Uses-Total Process	14	0	*	5	*	0
	Process Heating	3	0	*	4	*	0
	Process Cooling and Refrigeration	1	0	0	*	0	0
	Machine Drive	8	0	*	*	*	0
	Electro-Chemical Processes	Q	--	--	--	--	--
	Other Process Use	1	0	*	*	*	0
	Direct Uses-Total Nonprocess	12	*	*	6	*	*
	Facility HVAC (g)	7	*	*	6	*	*
	Facility Lighting	4	--	--	--	--	--
	Other Facility Support	1	0	*	*	*	0
	Onsite Transportation	*	--	*	0	*	--
	Conventional Electricity Generation	--	0	*	0	0	0
	Other Nonprocess Use	*	0	*	*	*	0
	End Use Not Reported	1	0	0	*	*	0

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

(b) 'Net Demand for Electricity' is the sum of purchases, transfers in, and total onsite electricity generation, minus sales and transfers offsite. It is the total amount of electricity used by establishments. 'Net Demand for Electricity' is not directly comparable with "Net Electricity,' which specifically excludes electricity generated onsite by combustible energy sources.

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

(d) '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.

(e) Examples of Liquefied Petroleum Gases '(LPG)' are 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).'

(f) Facility Heating, Ventilation, and Air Conditioning '(Facility HVAC)' excludes steam and hot water.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

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Table 5.4 End Uses of Fuel Consumption, 2010;

Level: National Data;
Row: End Uses within NAICS Codes;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

NAICS Code(a)	End Use	Net Demand for Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(c)	Natural Gas(d)	LPG and NGL(e)	Coal (excluding Coal Coke and Breeze)

Q=Withheld because Relative Standard Error is greater than 50 percent.
NA=Not available.
-- Estimation is not applicable.
S=Negative value.
Notes: Totals may not equal sum of components because of independent rounding.
The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells.
Allocations to specific end uses are made on the basis of reasonable approximations by respondents.
Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey.'

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Next MECS will be fielded in 2015

Table 5.5 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Electricity;
Unit: Physical Units or Btu.

End Use	Total (trillion Btu)	Net Electricity(a) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(e) (trillion Btu)
Total United States								
TOTAL FUEL CONSUMPTION	14,228	714,166	13	22	5,064	18	39	5,435
Indirect Uses-Boiler Fuel	--	7,788	7	3	2,074	3	26	--
Conventional Boiler Use	--	7,788	3	1	712	1	3	--
CHP and/or Cogeneration Process	--	0	4	3	1,362	2	23	--
Direct Uses-Total Process	--	560,347	4	9	2,549	7	13	--
Process Heating	--	87,131	4	2	2,295	6	13	--
Process Cooling and Refrigeration	--	53,400	*	*	24	*	0	--
Machine Drive	--	347,224	*	5	116	1	*	--
Electro-Chemical Processes	--	55,414	--	--	--	--	--	--
Other Process Use	--	17,179	*	2	113	*	*	--
Direct Uses-Total Nonprocess	--	131,437	1	9	358	7	*	--
Facility HVAC (f)	--	64,945	*	1	297	1	*	--
Facility Lighting	--	48,453	--	--	--	--	--	--
Other Facility Support	--	13,896	*	*	35	1	*	--
Onsite Transportation	--	1,389	--	7	1	5	--	--
Conventional Electricity Generation	--	--	*	1	18	*	*	--
Other Nonprocess Use	--	2,754	*	1	7	*	*	--
End Use Not Reported	5,585	14,594	1	1	83	1	*	5,435
Northeast Census Region								
TOTAL FUEL CONSUMPTION	1,317	74,309	5	4	427	4	3	483
Indirect Uses-Boiler Fuel	--	838	3	1	184	1	2	--
Conventional Boiler Use	--	838	2	*	65	*	*	--
CHP and/or Cogeneration Process	--	0	1	1	119	1	2	--
Direct Uses-Total Process	--	55,618	1	1	193	2	1	--
Process Heating	--	10,425	1	1	178	2	1	--
Process Cooling and Refrigeration	--	5,259	*	*	7	*	0	--
Machine Drive	--	33,354	*	*	5	*	0	--
Electro-Chemical Processes	--	5,538	--	--	--	--	--	--
Other Process Use	--	1,042	*	*	2	*	*	--
Direct Uses-Total Nonprocess	--	15,935	*	2	47	1	*	--
Facility HVAC (f)	--	7,649	*	1	43	*	*	--
Facility Lighting	--	5,925	--	--	--	--	--	--
Other Facility Support	--	1,748	*	*	3	*	0	--
Onsite Transportation	--	170	--	1	*	*	--	--
Conventional Electricity Generation	--	--	*	*	*	*	0	--
Other Nonprocess Use	--	443	*	*	*	*	0	--
End Use Not Reported	494	1,919	*	*	3	*	0	483
Midwest Census Region								

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Table 5.5 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Electricity;
Unit: Physical Units or Btu.

End Use	Total (trillion Btu)	Net Electricity(a) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(e) (trillion Btu)
TOTAL FUEL CONSUMPTION	3,703	227,367	1	4	1,393	4	16	1,100
Indirect Uses-Boiler Fuel	--	2,595	1	*	477	*	11	--
Conventional Boiler Use	--	2,595	*	*	232	*	2	--
CHP and/or Cogeneration Process	--	0	*	*	246	*	9	--
Direct Uses-Total Process	--	178,858	*	2	728	1	5	--
Process Heating	--	33,124	*	*	681	1	5	--
Process Cooling and Refrigeration	--	18,790	0	*	5	*	0	--
Machine Drive	--	104,270	0	*	11	*	*	--
Electro-Chemical Processes	--	18,709	--	--	--	--	--	--
Other Process Use	--	3,965	0	1	31	*	*	--
Direct Uses-Total Nonprocess	--	42,441	*	2	166	3	*	--
Facility HVAC (f)	--	19,349	*	*	152	*	*	--
Facility Lighting	--	17,311	--	--	--	--	--	--
Other Facility Support	--	4,643	0	*	12	Q	*	--
Onsite Transportation	--	570	--	1	*	2	--	--
Conventional Electricity Generation	--	--	0	*	*	*	*	--
Other Nonprocess Use	--	568	*	*	2	*	*	--
End Use Not Reported	1,138	3,473	*	*	Q	*	0	1,100
South Census Region								
TOTAL FUEL CONSUMPTION	7,379	315,945	6	8	2,647	5	14	3,162
Indirect Uses-Boiler Fuel	--	3,776	3	1	1,161	1	10	--
Conventional Boiler Use	--	3,776	1	*	312	*	1	--
CHP and/or Cogeneration Process	--	0	2	1	849	*	8	--
Direct Uses-Total Process	--	252,665	2	3	1,330	2	4	--
Process Heating	--	34,213	2	1	1,169	1	4	--
Process Cooling and Refrigeration	--	22,346	0	*	11	*	0	--
Machine Drive	--	166,403	*	2	91	*	*	--
Electro-Chemical Processes	--	22,304	--	--	--	--	--	--
Other Process Use	--	7,399	0	*	59	*	*	--
Direct Uses-Total Nonprocess	--	52,284	*	4	106	2	*	--
Facility HVAC (f)	--	26,746	*	*	71	*	*	--
Facility Lighting	--	18,582	--	--	--	--	--	--
Other Facility Support	--	5,160	*	*	13	*	*	--
Onsite Transportation	--	443	--	3	*	2	--	--
Conventional Electricity Generation	--	--	*	*	17	*	*	--
Other Nonprocess Use	--	1,353	0	*	4	*	*	--
End Use Not Reported	3,245	7,220	*	*	50	1	*	3,162
West Census Region								
TOTAL FUEL CONSUMPTION	1,829	96,546	1	6	597	4	6	691
Indirect Uses-Boiler Fuel	--	579	1	*	251	1	3	--
Conventional Boiler Use	--	579	*	*	103	*	*	--

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Table 5.5 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Electricity;
Unit: Physical Units or Btu.

End Use	Total (trillion Btu)	Net Electricity(a) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(e) (trillion Btu)
CHP and/or Cogeneration Process	--	0	*	*	148	*	3	--
Direct Uses-Total Process	--	73,207	1	3	298	3	3	--
Process Heating	--	9,369	1	Q	267	2	2	--
Process Cooling and Refrigeration	--	7,005	0	*	1	*	0	--
Machine Drive	--	43,198	*	Q	9	*	0	--
Electro-Chemical Processes	--	8,863	--	--	--	--	--	--
Other Process Use	--	4,773	0	*	22	*	*	--
Direct Uses-Total Nonprocess	--	20,777	*	2	40	1	*	--
Facility HVAC (f)	--	11,201	*	*	31	*	*	--
Facility Lighting	--	6,634	--	--	--	--	--	--
Other Facility Support	--	2,346	*	*	8	*	0	--
Onsite Transportation	--	206	--	1	*	1	--	--
Conventional Electricity Generation	--	--	*	*	1	*	0	--
Other Nonprocess Use	--	390	0	*	1	*	0	--
End Use Not Reported	708	1,982	*	*	8	*	0	691

(a) '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).

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

(c) '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.

(d) Examples of Liquefied Petroleum Gases '(LPG)' are 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).'

(e) '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.

(f) Facility Heating, Ventilation, and Air Conditioning '(Facility HVAC)' excludes steam and hot water.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

-- Estimation is not applicable.

S=Negative value.

Notes: Totals may not equal sum of components because of independent rounding. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates

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Table 5.5 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Electricity;
Unit: Physical Units or Btu.

End Use	Total (trillion Btu)	Net Electricity(a) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)	Other(e) (trillion Btu)

include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells.
Allocations to specific end uses are made on the basis of reasonable approximations by respondents.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey.'

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Table 5.6 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

End Use	Total	Net Electricity(a)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(b)	Natural Gas(c)	LPG and NGL(d)	Coal (excluding Coal Coke and Breeze)	Other(e)
Total United States								
TOTAL FUEL CONSUMPTION	14,228	2,437	79	130	5,211	69	868	5,435
Indirect Uses-Boiler Fuel	--	27	46	19	2,134	10	572	--
Conventional Boiler Use	--	27	20	4	733	3	72	--
CHP and/or Cogeneration Process	--	0	26	15	1,401	7	500	--
Direct Uses-Total Process	--	1,912	26	54	2,623	29	289	--
Process Heating	--	297	25	14	2,362	24	280	--
Process Cooling and Refrigeration	--	182	*	Q	25	*	0	--
Machine Drive	--	1,185	*	28	120	3	1	--
Electro-Chemical Processes	--	189	--	--	--	--	--	--
Other Process Use	--	59	*	10	117	1	8	--
Direct Uses-Total Nonprocess	--	448	3	52	368	26	6	--
Facility HVAC (f)	--	222	Q	4	306	4	3	--
Facility Lighting	--	165	--	--	--	--	--	--
Other Facility Support	--	47	*	1	36	3	*	--
Onsite Transportation	--	5	--	39	1	17	--	--
Conventional Electricity Generation	--	--	1	3	19	*	1	--
Other Nonprocess Use	--	9	*	4	7	1	1	--
End Use Not Reported	5,585	50	5	5	86	4	1	5,435
Northeast Census Region								
TOTAL FUEL CONSUMPTION	1,317	254	30	25	439	14	71	483
Indirect Uses-Boiler Fuel	--	3	17	9	189	5	42	--
Conventional Boiler Use	--	3	10	2	67	*	2	--
CHP and/or Cogeneration Process	--	0	8	7	123	5	40	--
Direct Uses-Total Process	--	190	9	7	198	7	29	--
Process Heating	--	36	9	3	184	7	29	--
Process Cooling and Refrigeration	--	18	*	*	8	*	0	--
Machine Drive	--	114	*	2	5	*	0	--
Electro-Chemical Processes	--	19	--	--	--	--	--	--
Other Process Use	--	4	*	2	2	*	*	--
Direct Uses-Total Nonprocess	--	54	Q	9	48	2	Q	--
Facility HVAC (f)	--	26	Q	3	45	1	Q	--
Facility Lighting	--	20	--	--	--	--	--	--
Other Facility Support	--	6	*	*	3	*	0	--
Onsite Transportation	--	1	--	5	*	2	--	--
Conventional Electricity Generation	--	--	1	Q	*	*	0	--
Other Nonprocess Use	--	2	*	*	*	*	0	--
End Use Not Reported	494	7	1	*	3	*	0	483
Midwest Census Region								
TOTAL FUEL CONSUMPTION	3,703	776	5	21	1,434	17	352	1,100

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Table 5.6 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

End Use	Total	Net Electricity(a)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(b)	Natural Gas(c)	LPG and NGL(d)	Coal (excluding Coal Coke and Breeze)	Other(e)
Indirect Uses-Boiler Fuel	--	9	3	1	491	1	243	--
Conventional Boiler Use	--	9	2	*	238	1	38	--
CHP and/or Cogeneration Process	--	0	2	1	253	*	205	--
Direct Uses-Total Process	--	610	1	9	749	4	105	--
Process Heating	--	113	1	1	701	2	102	--
Process Cooling and Refrigeration	--	64	0	*	5	*	0	--
Machine Drive	--	356	0	3	12	1	1	--
Electro-Chemical Processes	--	64	--	--	--	--	--	--
Other Process Use	--	14	0	5	32	*	2	--
Direct Uses-Total Nonprocess	--	145	*	9	170	11	4	--
Facility HVAC (f)	--	66	*	*	156	1	2	--
Facility Lighting	--	59	--	--	--	--	--	--
Other Facility Support	--	16	0	*	12	Q	*	--
Onsite Transportation	--	2	--	8	*	7	--	--
Conventional Electricity Generation	--	--	0	*	*	*	1	--
Other Nonprocess Use	--	2	*	1	2	*	1	--
End Use Not Reported	1,138	12	1	1	Q	1	0	1,100
South Census Region								
TOTAL FUEL CONSUMPTION	7,379	1,078	36	47	2,724	20	311	3,162
Indirect Uses-Boiler Fuel	--	13	22	7	1,195	2	213	--
Conventional Boiler Use	--	13	7	1	322	1	32	--
CHP and/or Cogeneration Process	--	0	15	6	874	1	181	--
Direct Uses-Total Process	--	862	12	18	1,369	7	97	--
Process Heating	--	117	12	6	1,203	6	96	--
Process Cooling and Refrigeration	--	76	0	*	11	*	0	--
Machine Drive	--	568	*	10	94	1	*	--
Electro-Chemical Processes	--	76	--	--	--	--	--	--
Other Process Use	--	25	0	Q	60	1	1	--
Direct Uses-Total Nonprocess	--	178	*	21	109	8	*	--
Facility HVAC (f)	--	91	*	1	73	1	*	--
Facility Lighting	--	63	--	--	--	--	--	--
Other Facility Support	--	18	*	*	14	*	*	--
Onsite Transportation	--	2	--	18	*	6	--	--
Conventional Electricity Generation	--	--	*	*	18	*	*	--
Other Nonprocess Use	--	5	0	1	4	*	*	--
End Use Not Reported	3,245	25	2	1	51	3	1	3,162
West Census Region								
TOTAL FUEL CONSUMPTION	1,829	329	7	36	614	17	134	691
Indirect Uses-Boiler Fuel	--	2	3	2	259	2	75	--
Conventional Boiler Use	--	2	2	*	106	1	1	--
CHP and/or Cogeneration Process	--	0	2	2	153	2	74	--
Direct Uses-Total Process	--	250	4	19	306	11	58	--

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Table 5.6 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

End Use	Total	Net Electricity(a)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(b)	Natural Gas(c)	LPG and NGL(d)	Coal (excluding Coal Coke and Breeze)	Other(e)
Process Heating	--	32	4	Q	275	10	53	--
Process Cooling and Refrigeration	--	24	0	Q	1	*	0	--
Machine Drive	--	147	*	Q	9	Q	0	--
Electro-Chemical Processes	--	30	--	--	--	--	--	--
Other Process Use	--	16	0	*	22	*	5	--
Direct Uses-Total Nonprocess	--	71	*	13	41	4	Q	--
Facility HVAC (f)	--	38	*	*	32	1	Q	--
Facility Lighting	--	23	--	--	--	--	--	--
Other Facility Support	--	8	*	*	8	*	0	--
Onsite Transportation	--	1	--	9	*	3	--	--
Conventional Electricity Generation	--	--	*	2	1	*	0	--
Other Nonprocess Use	--	1	0	Q	1	*	0	--
End Use Not Reported	708	7	*	2	8	*	0	691

(a) '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).

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

(c) '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.

(d) Examples of Liquefied Petroleum Gases '(LPG)' are 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).'

(e) '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.

(f) Facility Heating, Ventilation, and Air Conditioning '(Facility HVAC)' excludes steam and hot water.

NF=No applicable RSE row/column factor.
* Estimate less than 0.5.
W=Withheld to avoid disclosing data for individual establishments.
Q=Withheld because Relative Standard Error is greater than 50 percent.
NA=Not available.
-- Estimation is not applicable.
S=Negative value.

Notes: Totals may not equal sum of components because of independent rounding. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were

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Table 5.6 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

End Use	Total	Net Electricity(a)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(b)	Natural Gas(c)	LPG and NGL(d)	Coal (excluding Coal Coke and Breeze)	Other(e)

extracted from captive (onsite) mines or wells.
Allocations to specific end uses are made on the basis of reasonable approximations by respondents.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey.'

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Table 5.7 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

End Use	Net Demand for Electricity(a) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
Total United States						
TOTAL FUEL CONSUMPTION	845,727	13	22	5,064	18	39
Indirect Uses-Boiler Fuel	12,979	7	3	2,074	3	26
Conventional Boiler Use	12,979	3	1	712	1	3
CHP and/or Cogeneration Process	--	4	3	1,362	2	23
Direct Uses-Total Process	675,152	4	9	2,549	7	13
Process Heating	93,261	4	2	2,295	6	13
Process Cooling and Refrigeration	60,966	*	*	24	*	0
Machine Drive	426,121	*	5	116	1	*
Electro-Chemical Processes	77,146	--	--	--	--	--
Other Process Use	17,659	*	2	113	*	*
Direct Uses-Total Nonprocess	140,402	1	9	358	7	*
Facility HVAC (f)	69,090	*	1	297	1	*
Facility Lighting	51,946	--	--	--	--	--
Other Facility Support	14,925	*	*	35	1	*
Onsite Transportation	1,442	--	7	1	5	--
Conventional Electricity Generation	--	*	1	18	*	*
Other Nonprocess Use	2,999	*	1	7	*	*
End Use Not Reported	17,194	1	1	83	1	*
Northeast Census Region						
TOTAL FUEL CONSUMPTION	85,752	5	4	427	4	3
Indirect Uses-Boiler Fuel	1,314	3	1	184	1	2
Conventional Boiler Use	1,314	2	*	65	*	*
CHP and/or Cogeneration Process	--	1	1	119	1	2
Direct Uses-Total Process	64,273	1	1	193	2	1
Process Heating	11,096	1	1	178	2	1
Process Cooling and Refrigeration	5,812	*	*	7	*	0
Machine Drive	40,701	*	*	5	*	0
Electro-Chemical Processes	5,597	--	--	--	--	--

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Table 5.7 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

End Use	Net Demand for Electricity(a) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
Other Process Use	1,067	*	*	2	*	*
Direct Uses-Total Nonprocess	17,579	*	2	47	1	*
Facility HVAC (f)	8,543	*	1	43	*	*
Facility Lighting	6,524	--	--	--	--	--
Other Facility Support	1,881	*	*	3	*	0
Onsite Transportation	178	--	1	*	*	--
Conventional Electricity Generation	--	*	*	*	*	0
Other Nonprocess Use	453	*	*	*	*	0
End Use Not Reported	2,585	*	*	3	*	0
Midwest Census Region						
TOTAL FUEL CONSUMPTION	242,435	1	4	1,393	4	16
Indirect Uses-Boiler Fuel	3,249	1	*	477	*	11
Conventional Boiler Use	3,249	*	*	232	*	2
CHP and/or Cogeneration Process	--	*	*	246	*	9
Direct Uses-Total Process	191,841	*	2	728	1	5
Process Heating	33,786	*	*	681	1	5
Process Cooling and Refrigeration	19,577	0	*	5	*	0
Machine Drive	115,722	0	*	11	*	*
Electro-Chemical Processes	18,755	--	--	--	--	--
Other Process Use	4,001	0	1	31	*	*
Direct Uses-Total Nonprocess	43,869	*	2	166	3	*
Facility HVAC (f)	19,904	*	*	152	*	*
Facility Lighting	18,023	--	--	--	--	--
Other Facility Support	4,773	0	*	12	Q	*
Onsite Transportation	580	--	1	*	2	--
Conventional Electricity Generation	--	0	*	*	*	*
Other Nonprocess Use	589	*	*	2	*	*
End Use Not Reported	3,476	*	*	Q	*	0
South Census Region						

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Table 5.7 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

End Use	Net Demand for Electricity(a) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
TOTAL FUEL CONSUMPTION	407,850	6	8	2,647	5	14
Indirect Uses-Boiler Fuel	7,050	3	1	1,161	1	10
Conventional Boiler Use	7,050	1	*	312	*	1
CHP and/or Cogeneration Process	--	2	1	849	*	8
Direct Uses-Total Process	334,565	2	3	1,330	2	4
Process Heating	38,676	2	1	1,169	1	4
Process Cooling and Refrigeration	28,228	0	*	11	*	0
Machine Drive	216,216	*	2	91	*	*
Electro-Chemical Processes	43,662	--	--	--	--	--
Other Process Use	7,783	0	*	59	*	*
Direct Uses-Total Nonprocess	57,391	*	4	106	2	*
Facility HVAC (f)	29,152	*	*	71	*	*
Facility Lighting	20,457	--	--	--	--	--
Other Facility Support	5,845	*	*	13	*	*
Onsite Transportation	475	--	3	*	2	--
Conventional Electricity Generation	--	*	*	17	*	*
Other Nonprocess Use	1,461	0	*	4	*	*
End Use Not Reported	8,845	*	*	50	1	*
	West Census Region					
TOTAL FUEL CONSUMPTION	109,691	1	6	597	4	6
Indirect Uses-Boiler Fuel	1,366	1	*	251	1	3
Conventional Boiler Use	1,366	*	*	103	*	*
CHP and/or Cogeneration Process	--	*	*	148	*	3
Direct Uses-Total Process	84,473	1	3	298	3	3
Process Heating	9,703	1	Q	267	2	2
Process Cooling and Refrigeration	7,349	0	*	1	*	0
Machine Drive	53,481	*	Q	9	*	0
Electro-Chemical Processes	9,132	--	--	--	--	--
Other Process Use	4,808	0	*	22	*	*
Direct Uses-Total Nonprocess	21,563	*	2	40	1	*

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Table 5.7 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

End Use	Net Demand for Electricity(a) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
Facility HVAC (f)	11,490	*	*	31	*	*
Facility Lighting	6,942	--	--	--	--	--
Other Facility Support	2,425	*	*	8	*	0
Onsite Transportation	209	--	1	*	1	--
Conventional Electricity Generation	--	*	*	1	*	0
Other Nonprocess Use	497	0	*	1	*	0
End Use Not Reported	2,288	*	*	8	*	0

(a) 'Net Demand for Electricity' is the sum of purchases, transfers in, and total onsite electricity generation, minus sales and transfers offsite. It is the total amount of electricity used by establishments. 'Net Demand for Electricity' is not directly comparable with 'Net Electricity,' which specifically excludes electricity generated onsite by combustible energy sources.

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

(c) '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.

(d) Examples of Liquefied Petroleum Gases '(LPG)' are 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).'

(e) Facility Heating, Ventilation, and Air Conditioning '(Facility HVAC)' excludes steam and hot water.

NF=No applicable RSE row/column factor.
* Estimate less than 0.5.
W=Withheld to avoid disclosing data for individual establishments.
Q=Withheld because Relative Standard Error is greater than 50 percent.
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Notes: Totals may not equal sum of components because of independent rounding. The estimates presented in this table are for the total consumption of energy (formerly

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Table 5.7 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

End Use	Net Demand for Electricity(a) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)

total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells.
Allocations to specific end uses are made on the basis of reasonable approximations by respondents.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey.'

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Table 5.8 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

End Use	Net Demand for Electricity(a)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(b)	Natural Gas(c)	LPG and NGL(d)	Coal (excluding Coal Coke and Breeze)
Total United States						
TOTAL FUEL CONSUMPTION	2,886	79	130	5,211	69	868
Indirect Uses-Boiler Fuel	44	46	19	2,134	10	572
Conventional Boiler Use	44	20	4	733	3	72
CHP and/or Cogeneration Process	--	26	15	1,401	7	500
Direct Uses-Total Process	2,304	26	54	2,623	29	289
Process Heating	318	25	14	2,362	24	280
Process Cooling and Refrigeration	208	*	Q	25	*	0
Machine Drive	1,454	*	28	120	3	1
Electro-Chemical Processes	263	--	--	--	--	--
Other Process Use	60	*	10	117	1	8
Direct Uses-Total Nonprocess	479	3	52	368	26	6
Facility HVAC (f)	236	Q	4	306	4	3
Facility Lighting	177	--	--	--	--	--
Other Facility Support	51	*	1	36	3	*
Onsite Transportation	5	--	39	1	17	--
Conventional Electricity Generation	--	1	3	19	*	1
Other Nonprocess Use	10	*	4	7	1	1
End Use Not Reported	59	5	5	86	4	1
Northeast Census Region						
TOTAL FUEL CONSUMPTION	293	30	25	439	14	71
Indirect Uses-Boiler Fuel	4	17	9	189	5	42
Conventional Boiler Use	4	10	2	67	*	2
CHP and/or Cogeneration Process	--	8	7	123	5	40
Direct Uses-Total Process	219	9	7	198	7	29
Process Heating	38	9	3	184	7	29
Process Cooling and Refrigeration	20	*	*	8	*	0
Machine Drive	139	*	2	5	*	0
Electro-Chemical Processes	19	--	--	--	--	--
Other Process Use	4	*	2	2	*	*
Direct Uses-Total Nonprocess	60	Q	9	48	2	Q
Facility HVAC (f)	29	Q	3	45	1	Q

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Table 5.8 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

End Use	Net Demand for Electricity(a)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(b)	Natural Gas(c)	LPG and NGL(d)	Coal (excluding Coal Coke and Breeze)
Facility Lighting	22	--	--	--	--	--
Other Facility Support	6	*	*	3	*	0
Onsite Transportation	1	--	5	*	2	--
Conventional Electricity Generation	--	1	Q	*	*	0
Other Nonprocess Use	2	*	*	*	*	0
End Use Not Reported	9	1	*	3	*	0
	Midwest Census Region					
TOTAL FUEL CONSUMPTION	827	5	21	1,434	17	352
Indirect Uses-Boiler Fuel	11	3	1	491	1	243
Conventional Boiler Use	11	2	*	238	1	38
CHP and/or Cogeneration Process	--	2	1	253	*	205
Direct Uses-Total Process	655	1	9	749	4	105
Process Heating	115	1	1	701	2	102
Process Cooling and Refrigeration	67	0	*	5	*	0
Machine Drive	395	0	3	12	1	1
Electro-Chemical Processes	64	--	--	--	--	--
Other Process Use	14	0	5	32	*	2
Direct Uses-Total Nonprocess	150	*	9	170	11	4
Facility HVAC (f)	68	*	*	156	1	2
Facility Lighting	61	--	--	--	--	--
Other Facility Support	16	0	*	12	Q	*
Onsite Transportation	2	--	8	*	7	--
Conventional Electricity Generation	--	0	*	*	*	1
Other Nonprocess Use	2	*	1	2	*	1
End Use Not Reported	12	1	1	Q	1	0
	South Census Region					
TOTAL FUEL CONSUMPTION	1,392	36	47	2,724	20	311
Indirect Uses-Boiler Fuel	24	22	7	1,195	2	213
Conventional Boiler Use	24	7	1	322	1	32
CHP and/or Cogeneration Process	--	15	6	874	1	181
Direct Uses-Total Process	1,142	12	18	1,369	7	97

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Table 5.8 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

End Use	Net Demand for Electricity(a)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(b)	Natural Gas(c)	LPG and NGL(d)	Coal (excluding Coal Coke and Breeze)
Process Heating	132	12	6	1,203	6	96
Process Cooling and Refrigeration	96	0	*	11	*	0
Machine Drive	738	*	10	94	1	*
Electro-Chemical Processes	149	--	--	--	--	--
Other Process Use	27	0	Q	60	1	1
Direct Uses-Total Nonprocess	196	*	21	109	8	*
Facility HVAC (f)	99	*	1	73	1	*
Facility Lighting	70	--	--	--	--	--
Other Facility Support	20	*	*	14	*	*
Onsite Transportation	2	--	18	*	6	--
Conventional Electricity Generation	--	*	*	18	*	*
Other Nonprocess Use	5	0	1	4	*	*
End Use Not Reported	30	2	1	51	3	1
	West Census Region					
TOTAL FUEL CONSUMPTION	374	7	36	614	17	134
Indirect Uses-Boiler Fuel	5	3	2	259	2	75
Conventional Boiler Use	5	2	*	106	1	1
CHP and/or Cogeneration Process	--	2	2	153	2	74
Direct Uses-Total Process	288	4	19	306	11	58
Process Heating	33	4	Q	275	10	53
Process Cooling and Refrigeration	25	0	Q	1	*	0
Machine Drive	182	*	Q	9	Q	0
Electro-Chemical Processes	31	--	--	--	--	--
Other Process Use	16	0	*	22	*	5
Direct Uses-Total Nonprocess	74	*	13	41	4	Q
Facility HVAC (f)	39	*	*	32	1	Q
Facility Lighting	24	--	--	--	--	--
Other Facility Support	8	*	*	8	*	0
Onsite Transportation	1	--	9	*	3	--
Conventional Electricity Generation	--	*	2	1	*	0
Other Nonprocess Use	2	0	Q	1	*	0
End Use Not Reported	8	*	2	8	*	0

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Table 5.8 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

End Use	Net Demand for Electricity(a)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(b)	Natural Gas(c)	LPG and NGL(d)	Coal (excluding Coal Coke and Breeze)

(a) 'Net Demand for Electricity' is the sum of purchases, transfers in, and total onsite electricity generation, minus sales and transfers offsite. It is the total amount of electricity used by establishments. 'Net Demand for Electricity' is not directly comparable with 'Net Electricity,' which specifically excludes electricity generated onsite by combustible energy sources.

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

(c) '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.

(d) Examples of Liquefied Petroleum Gases '(LPG)' are 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).'

(e) Facility Heating, Ventilation, and Air Conditioning '(Facility HVAC)' excludes steam and hot water.

NF=No applicable RSE row/column factor.
* Estimate less than 0.5.
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Notes: Totals may not equal sum of components because of independent rounding.
The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells.
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Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey.'

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Table 5.8 End Uses of Fuel Consumption, 2010;

Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Trillion Btu.

End Use	Net Demand for Electricity(a)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(b)	Natural Gas(c)	LPG and NGL(d)	Coal (excluding Coal Coke and Breeze)

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Table 11.1 Electricity: Components of Net Demand, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Electricity Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
		Total United States				
311	Food	75,652	21	5,666	347	80,993
3112	Grain and Oilseed Milling	16,620	0	3,494	142	19,972
311221	Wet Corn Milling	7,481	0	3,213	14	10,680
31131	Sugar Manufacturing	1,264	0	1,382	109	2,537
3114	Fruit and Vegetable Preserving and Specialty Foods	9,258	0	336	66	9,528
3115	Dairy Products	9,585	2	38	22	9,602
3116	Animal Slaughtering and Processing	20,121	15	19	0	20,155
312	Beverage and Tobacco Products	8,337	17	342	1	8,694
3121	Beverages	7,360	17	308	1	7,684
3122	Tobacco	977	0	34	0	1,011
313	Textile Mills	13,349	0	93	109	13,333
314	Textile Product Mills	2,454	*	Q	0	2,458
315	Apparel	1,069	*	Q	0	1,069
316	Leather and Allied Products	243	0	*	0	243
321	Wood Products	16,179	50	1,393	909	16,713
321113	Sawmills	5,043	45	980	627	5,441
3212	Veneer, Plywood, and Engineered Woods	6,374	*	52	*	6,426
321219	Reconstituted Wood Products	4,052	0	52	*	4,104
3219	Other Wood Products	4,375	Q	285	217	4,447
322	Paper	66,617	253	44,810	8,152	103,528
322110	Pulp Mills	1,992	0	5,396	409	6,979
322121	Paper Mills, except Newsprint	21,462	197	21,805	4,671	38,793
322122	Newsprint Mills	11,330	0	947	297	11,980
322130	Paperboard Mills	19,921	55	16,561	2,776	33,761
323	Printing and Related Support	13,703	Q	*	0	13,704
324	Petroleum and Coal Products	48,788	3,722	18,989	5,496	66,002
324110	Petroleum Refineries	46,111	3,685	17,646	4,913	62,528
324121	Asphalt Paving Mixture and Block	1,059	9	652	*	1,720
324199	Other Petroleum and Coal Products	473	28	669	583	587
325	Chemicals	141,054	5,141	55,111	14,311	186,995
325110	Petrochemicals	6,478	799	5,382	734	11,926
325120	Industrial Gases	19,401	0	*	0	19,401
325181	Alkalies and Chlorine	W	3,195	W	W	W
325182	Carbon Black	496	0	511	262	744

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Table 11.1 Electricity: Components of Net Demand, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Electricity Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
325188	Other Basic Inorganic Chemicals	24,771	106	798	147	25,528
325192	Cyclic Crudes and Intermediates	2,673	0	0	0	2,673
325193	Ethyl Alcohol	7,359	0	485	4	7,840
325199	Other Basic Organic Chemicals	15,391	429	17,746	6,212	27,354
325211	Plastics Materials and Resins	20,070	470	13,854	934	33,460
325212	Synthetic Rubber	1,696	10	285	61	1,930
325222	Noncellulosic Organic Fibers	2,832	0	19	41	2,810
325311	Nitrogenous Fertilizers	3,390	0	198	2	3,586
325312	Phosphatic Fertilizers	1,709	0	2,279	458	3,530
3254	Pharmaceuticals and Medicines	9,168	3	876	11	10,036
325412	Pharmaceutical Preparation	5,614	Q	287	Q	5,899
325992	Photographic Film, Paper, Plate, and Chemicals	1,463	*	484	86	1,860
326	Plastics and Rubber Products	45,764	Q	265	Q	46,063
327	Nonmetallic Mineral Products	32,508	63	321	45	32,847
327121	Brick and Structural Clay Tile	576	*	*	0	576
327211	Flat Glass	1,660	0	*	0	1,661
327212	Other Pressed and Blown Glass and Glassware	2,507	51	Q	Q	2,563
327213	Glass Containers	3,604	0	3	0	3,606
327215	Glass Products from Purchased Glass	2,640	*	6	0	2,646
327310	Cements	9,166	0	257	5	9,419
327410	Lime	1,502	0	0	0	1,502
327420	Gypsum	1,384	0	20	0	1,404
327993	Mineral Wool	3,408	Q	*	0	3,419
331	Primary Metals	120,608	95	5,684	3,420	122,967
331111	Iron and Steel Mills	50,766	*	4,716	406	55,076
331112	Electrometallurgical Ferroalloy Products	3,162	0	0	4	3,158
3312	Steel Products from Purchased Steel	5,270	0	*	0	5,270
3313	Alumina and Aluminum	36,875	*	521	2,834	34,562
331314	Secondary Smelting and Alloying of Aluminum	5,472	*	*	2,834	2,638
331315	Aluminum Sheet, Plate and Foils	4,134	*	*	0	4,134
331316	Aluminum Extruded Products	1,411	0	*	0	1,411
3314	Nonferrous Metals, except Aluminum	13,401	76	431	176	13,732
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	7,502	15	223	176	7,564
3315	Foundries	11,135	19	16	*	11,170
331511	Iron Foundries	5,658	17	6	*	5,681
331521	Aluminum Die-Casting Foundries	1,285	0	2	0	1,287
331524	Aluminum Foundries, except Die-Casting	855	2	1	*	857

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Table 11.1 Electricity: Components of Net Demand, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Electricity Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
332	Fabricated Metal Products	37,410	0	143	Q	37,331
333	Machinery	20,385	0	119	0	20,505
334	Computer and Electronic Products	29,491	6	54	4	29,547
334413	Semiconductors and Related Devices	10,810	0	27	4	10,833
335	Electrical Equip., Appliances, and Components	10,689	0	*	*	10,689
336	Transportation Equipment	38,690	297	472	158	39,301
336111	Automobiles	3,027	0	2	0	3,030
336112	Light Trucks and Utility Vehicles	3,624	*	64	5	3,684
3364	Aerospace Product and Parts	9,356	294	406	153	9,903
336411	Aircraft	2,688	0	143	58	2,772
337	Furniture and Related Products	4,960	*	58	0	5,018
339	Miscellaneous	7,569	Q	136	*	7,728
	Total	735,520	9,728	133,661	33,181	845,727
		Northeast Census Region				
311	Food	7,147	Q	282	4	7,429
3112	Grain and Oilseed Milling	438	0	4	4	438
311221	Wet Corn Milling	5	0	0	0	5
31131	Sugar Manufacturing	211	0	0	0	211
3114	Fruit and Vegetable Preserving and Specialty Foods	972	0	19	0	991
3115	Dairy Products	1,172	0	17	0	1,189
3116	Animal Slaughtering and Processing	857	*	*	0	857
312	Beverage and Tobacco Products	1,247	0	*	*	1,247
3121	Beverages	1,217	0	*	*	1,217
3122	Tobacco	30	0	0	0	30
313	Textile Mills	550	0	35	0	585
314	Textile Product Mills	Q	*	*	0	Q
315	Apparel	Q	*	0	0	Q
316	Leather and Allied Products	50	0	0	0	50
321	Wood Products	1,075	*	80	65	1,091
321113	Sawmills	332	0	6	0	337
3212	Veneer, Plywood, and Engineered Woods	240	0	0	0	240
321219	Reconstituted Wood Products	161	0	0	0	161
3219	Other Wood Products	486	0	*	0	486
322	Paper	6,732	55	7,863	3,442	11,207

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Table 11.1 Electricity: Components of Net Demand, 2010;

Level: National and Regional Data;
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NAICS Code(a)	Subsector and Industry	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
322110	Pulp Mills	72	0	531	89	513
322121	Paper Mills, except Newsprint	2,643	0	7,009	3,062	6,590
322122	Newsprint Mills	1,023	0	173	290	907
322130	Paperboard Mills	1,428	55	149	2	1,630
323	Printing and Related Support	2,447	0	0	0	2,447
324	Petroleum and Coal Products	3,637	776	1,909	1	6,321
324110	Petroleum Refineries	3,257	775	1,847	*	5,879
324121	Asphalt Paving Mixture and Block	256	1	Q	0	318
324199	Other Petroleum and Coal Products	35	0	*	0	35
325	Chemicals	11,983	Q	1,641	81	13,759
325110	Petrochemicals	17	0	0	0	17
325120	Industrial Gases	2,592	0	0	0	2,592
325181	Alkalies and Chlorine	1,468	*	0	0	1,468
325182	Carbon Black	5	0	0	0	5
325188	Other Basic Inorganic Chemicals	754	84	3	0	841
325192	Cyclic Crudes and Intermediates	160	0	0	0	160
325193	Ethyl Alcohol	72	0	0	4	69
325199	Other Basic Organic Chemicals	667	*	10	0	677
325211	Plastics Materials and Resins	1,023	0	*	0	1,023
325212	Synthetic Rubber	40	0	*	0	40
325222	Noncellulosic Organic Fibers	26	0	0	0	26
325311	Nitrogenous Fertilizers	26	0	0	0	26
325312	Phosphatic Fertilizers	1	0	0	0	1
3254	Pharmaceuticals and Medicines	2,452	3	583	7	3,030
325412	Pharmaceutical Preparation	1,185	Q	228	0	1,414
325992	Photographic Film, Paper, Plate, and Chemicals	877	0	484	4	1,356
326	Plastics and Rubber Products	2,679	0	139	0	2,818
327	Nonmetallic Mineral Products	4,114	52	36	Q	4,162
327121	Brick and Structural Clay Tile	44	0	0	0	44
327211	Flat Glass	315	0	0	0	315
327212	Other Pressed and Blown Glass and Glassware	509	51	Q	Q	565
327213	Glass Containers	587	0	0	0	587
327215	Glass Products from Purchased Glass	392	*	2	0	394
327310	Cements	1,016	0	0	0	1,016
327410	Lime	69	0	0	0	69
327420	Gypsum	432	0	0	0	432
327993	Mineral Wool	226	0	0	0	226

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Table 11.1 Electricity: Components of Net Demand, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Electricity Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
331	Primary Metals	12,985	0	511	7	13,490
331111	Iron and Steel Mills	5,802	0	511	7	6,306
331112	Electrometallurgical Ferroalloy Products	537	0	0	0	537
3312	Steel Products from Purchased Steel	800	0	0	0	800
3313	Alumina and Aluminum	2,992	0	*	0	2,992
331314	Secondary Smelting and Alloying of Aluminum	2,110	0	*	0	2,110
331315	Aluminum Sheet, Plate and Foils	463	0	0	0	463
331316	Aluminum Extruded Products	394	0	*	0	394
3314	Nonferrous Metals, except Aluminum	1,883	0	*	0	1,883
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	149	0	0	0	149
3315	Foundries	972	0	*	0	972
331511	Iron Foundries	427	0	0	0	427
331521	Aluminum Die-Casting Foundries	75	0	0	0	75
331524	Aluminum Foundries, except Die-Casting	63	0	0	0	63
332	Fabricated Metal Products	4,526	0	Q	0	4,596
333	Machinery	3,323	0	*	0	3,323
334	Computer and Electronic Products	5,236	0	Q	*	5,237
334413	Semiconductors and Related Devices	1,959	0	*	0	1,959
335	Electrical Equip., Appliances, and Components	1,804	0	*	0	1,804
336	Transportation Equipment	2,878	0	323	18	3,182
336111	Automobiles	1	0	0	0	1
336112	Light Trucks and Utility Vehicles	0	0	0	0	0
3364	Aerospace Product and Parts	918	0	323	18	1,223
336411	Aircraft	323	0	142	16	449
337	Furniture and Related Products	707	0	*	0	707
339	Miscellaneous	1,825	Q	136	*	1,976
	Total	75,265	1,119	13,025	3,658	85,752
	Midwest Census Region					
311	Food	32,998	Q	3,604	16	36,598
3112	Grain and Oilseed Milling	11,566	0	3,304	16	14,853
311221	Wet Corn Milling	6,588	0	3,091	14	9,665
31131	Sugar Manufacturing	518	0	286	*	804
3114	Fruit and Vegetable Preserving and Specialty Foods	2,204	0	1	0	2,205
3115	Dairy Products	3,304	2	Q	0	3,307

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Next MECS will be fielded in 2015

Table 11.1 Electricity: Components of Net Demand, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Electricity Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
3116	Animal Slaughtering and Processing	8,551	Q	11	0	8,572
312	Beverage and Tobacco Products	1,369	*	60	0	1,429
3121	Beverages	1,354	*	60	0	1,414
3122	Tobacco	15	0	0	0	15
313	Textile Mills	394	0	0	0	394
314	Textile Product Mills	Q	0	0	0	Q
315	Apparel	Q	0	0	0	Q
316	Leather and Allied Products	90	0	0	0	90
321	Wood Products	2,468	*	50	*	2,518
321113	Sawmills	397	0	Q	0	402
3212	Veneer, Plywood, and Engineered Woods	557	*	44	*	601
321219	Reconstituted Wood Products	340	0	44	*	384
3219	Other Wood Products	1,472	0	1	*	1,473
322	Paper	15,051	0	4,901	186	19,765
322110	Pulp Mills	281	0	0	0	281
322121	Paper Mills, except Newsprint	6,863	0	4,269	161	10,971
322122	Newsprint Mills	1,345	0	20	0	1,364
322130	Paperboard Mills	2,533	0	511	25	3,019
323	Printing and Related Support	4,443	Q	*	0	4,444
324	Petroleum and Coal Products	9,085	34	1,276	524	9,872
324110	Petroleum Refineries	8,233	6	887	138	8,988
324121	Asphalt Paving Mixture and Block	259	0	1	0	260
324199	Other Petroleum and Coal Products	202	28	388	386	232
325	Chemicals	34,495	15	1,294	117	35,688
325110	Petrochemicals	72	1	*	0	73
325120	Industrial Gases	8,071	0	0	0	8,071
325181	Alkalies and Chlorine	1,086	0	0	0	1,086
325182	Carbon Black	77	0	*	*	77
325188	Other Basic Inorganic Chemicals	1,375	14	3	0	1,391
325192	Cyclic Crudes and Intermediates	649	0	0	0	649
325193	Ethyl Alcohol	6,051	0	483	0	6,534
325199	Other Basic Organic Chemicals	3,544	0	340	36	3,849
325211	Plastics Materials and Resins	3,277	0	*	6	3,272
325212	Synthetic Rubber	440	0	0	26	415
325222	Noncellulosic Organic Fibers	31	0	0	0	31
325311	Nitrogenous Fertilizers	1,273	0	*	*	1,274
325312	Phosphatic Fertilizers	5	0	*	0	5

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Table 11.1 Electricity: Components of Net Demand, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Electricity Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
3254	Pharmaceuticals and Medicines	2,802	0	Q	*	3,011
325412	Pharmaceutical Preparation	2,182	0	*	*	2,183
325992	Photographic Film, Paper, Plate, and Chemicals	96	0	0	0	96
326	Plastics and Rubber Products	15,457	0	Q	Q	15,577
327	Nonmetallic Mineral Products	8,944	0	216	5	9,155
327121	Brick and Structural Clay Tile	106	0	0	0	106
327211	Flat Glass	495	0	*	0	495
327212	Other Pressed and Blown Glass and Glassware	493	0	*	0	493
327213	Glass Containers	879	0	1	0	881
327215	Glass Products from Purchased Glass	968	0	*	0	968
327310	Cements	2,542	0	214	5	2,751
327410	Lime	489	0	0	0	489
327420	Gypsum	228	0	0	0	228
327993	Mineral Wool	1,521	0	*	0	1,521
331	Primary Metals	47,046	53	3,613	400	50,312
331111	Iron and Steel Mills	19,908	0	3,601	396	23,113
331112	Electrometallurgical Ferroalloy Products	1,178	0	0	4	1,174
3312	Steel Products from Purchased Steel	1,507	0	*	0	1,507
3313	Alumina and Aluminum	13,265	0	0	0	13,265
331314	Secondary Smelting and Alloying of Aluminum	184	0	0	0	184
331315	Aluminum Sheet, Plate and Foils	1,226	0	0	0	1,226
331316	Aluminum Extruded Products	W	0	0	0	W
3314	Nonferrous Metals, except Aluminum	4,357	Q	6	0	4,398
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	2,877	15	0	0	2,891
3315	Foundries	6,830	19	6	*	6,855
331511	Iron Foundries	3,861	17	6	*	3,885
331521	Aluminum Die-Casting Foundries	863	0	0	0	863
331524	Aluminum Foundries, except Die-Casting	490	2	0	0	492
332	Fabricated Metal Products	16,566	0	*	Q	16,345
333	Machinery	9,688	0	119	0	9,807
334	Computer and Electronic Products	4,546	0	Q	0	4,556
334413	Semiconductors and Related Devices	676	0	*	0	676
335	Electrical Equip., Appliances, and Components	2,827	0	*	*	2,827
336	Transportation Equipment	19,779	*	27	5	19,802
336111	Automobiles	1,765	0	2	0	1,768
336112	Light Trucks and Utility Vehicles	2,063	*	2	5	2,060
3364	Aerospace Product and Parts	2,012	0	23	0	2,035

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Table 11.1 Electricity: Components of Net Demand, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Electricity Components;
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NAICS Code(a)	Subsector and Industry	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
336411	Aircraft	505	0	0	0	505
337	Furniture and Related Products	1,665	*	58	0	1,723
339	Miscellaneous	1,246	Q	0	0	1,254
	Total	228,438	123	15,354	1,480	242,435
	South Census Region					
311	Food	23,473	5	1,086	207	24,357
3112	Grain and Oilseed Milling	3,811	0	138	121	3,828
311221	Wet Corn Milling	824	0	96	0	920
31131	Sugar Manufacturing	284	0	649	21	912
3114	Fruit and Vegetable Preserving and Specialty Foods	2,459	0	293	65	2,687
3115	Dairy Products	1,815	0	0	0	1,815
3116	Animal Slaughtering and Processing	8,961	5	6	0	8,972
312	Beverage and Tobacco Products	3,614	0	130	0	3,744
3121	Beverages	2,682	0	96	0	2,779
3122	Tobacco	932	0	34	0	966
313	Textile Mills	12,116	0	58	109	12,065
314	Textile Product Mills	1,796	0	Q	0	1,800
315	Apparel	886	0	0	0	886
316	Leather and Allied Products	73	0	*	0	73
321	Wood Products	8,795	36	148	58	8,921
321113	Sawmills	2,724	36	119	55	2,824
3212	Veneer, Plywood, and Engineered Woods	4,150	0	*	*	4,150
321219	Reconstituted Wood Products	2,882	0	*	*	2,882
3219	Other Wood Products	1,687	0	29	2	1,714
322	Paper	29,988	0	28,457	2,226	56,219
322110	Pulp Mills	1,462	0	4,831	320	5,973
322121	Paper Mills, except Newsprint	8,965	0	9,308	532	17,741
322122	Newsprint Mills	3,219	0	253	0	3,471
322130	Paperboard Mills	11,042	0	14,065	1,374	23,733
323	Printing and Related Support	4,825	*	*	0	4,825
324	Petroleum and Coal Products	27,862	2,912	9,730	3,541	36,963
324110	Petroleum Refineries	26,789	2,904	9,564	3,463	35,793
324121	Asphalt Paving Mixture and Block	324	8	2	0	334
324199	Other Petroleum and Coal Products	217	0	143	78	283

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Table 11.1 Electricity: Components of Net Demand, 2010;

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NAICS Code(a)	Subsector and Industry	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
325	Chemicals	85,275	4,902	51,010	13,754	127,433
325110	Petrochemicals	6,389	798	5,382	734	11,835
325120	Industrial Gases	6,902	0	*	0	6,902
325181	Alkalies and Chlorine	W	3,195	W	W	W
325182	Carbon Black	413	0	510	262	661
325188	Other Basic Inorganic Chemicals	20,217	0	338	Q	20,516
325192	Cyclic Crudes and Intermediates	1,863	0	0	0	1,863
325193	Ethyl Alcohol	983	0	2	0	985
325199	Other Basic Organic Chemicals	10,924	429	17,376	6,171	22,558
325211	Plastics Materials and Resins	15,591	470	13,853	928	28,986
325212	Synthetic Rubber	1,171	10	285	35	1,431
325222	Noncellulosic Organic Fibers	2,774	0	19	41	2,752
325311	Nitrogenous Fertilizers	1,921	0	197	2	2,116
325312	Phosphatic Fertilizers	1,295	0	2,118	297	3,116
3254	Pharmaceuticals and Medicines	2,927	0	28	0	2,955
325412	Pharmaceutical Preparation	1,794	0	4	0	1,797
325992	Photographic Film, Paper, Plate, and Chemicals	167	0	0	0	167
326	Plastics and Rubber Products	19,114	Q	*	0	19,154
327	Nonmetallic Mineral Products	14,168	Q	4	*	14,184
327121	Brick and Structural Clay Tile	386	0	*	0	387
327211	Flat Glass	665	0	*	0	666
327212	Other Pressed and Blown Glass and Glassware	1,407	0	*	*	1,407
327213	Glass Containers	1,192	0	1	0	1,194
327215	Glass Products from Purchased Glass	989	0	2	0	991
327310	Cements	3,900	0	0	0	3,900
327410	Lime	697	0	0	0	697
327420	Gypsum	520	0	1	0	521
327993	Mineral Wool	1,194	Q	*	0	1,205
331	Primary Metals	48,231	*	1,166	2,834	46,563
331111	Iron and Steel Mills	22,133	*	604	0	22,737
331112	Electrometallurgical Ferroalloy Products	1,446	0	0	0	1,446
3312	Steel Products from Purchased Steel	2,849	0	0	0	2,849
3313	Alumina and Aluminum	15,667	*	520	2,834	13,354
331314	Secondary Smelting and Alloying of Aluminum	3,150	0	0	2,834	316
331315	Aluminum Sheet, Plate and Foils	2,092	*	*	0	2,092
331316	Aluminum Extruded Products	412	0	0	0	412
3314	Nonferrous Metals, except Aluminum	3,524	0	39	1	3,562

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Table 11.1 Electricity: Components of Net Demand, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Electricity Components;
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NAICS Code(a)	Subsector and Industry	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	1,929	0	0	0	1,929
3315	Foundries	2,612	0	2	0	2,614
331511	Iron Foundries	1,271	0	*	0	1,271
331521	Aluminum Die-Casting Foundries	311	0	2	0	313
331524	Aluminum Foundries, except Die-Casting	138	0	0	0	138
332	Fabricated Metal Products	12,909	0	Q	0	12,964
333	Machinery	6,103	0	*	0	6,103
334	Computer and Electronic Products	10,078	0	Q	Q	10,078
334413	Semiconductors and Related Devices	3,192	0	Q	Q	3,192
335	Electrical Equip., Appliances, and Components	5,579	0	*	0	5,579
336	Transportation Equipment	11,438	0	63	42	11,459
336111	Automobiles	1,233	0	*	0	1,233
336112	Light Trucks and Utility Vehicles	1,538	0	62	0	1,600
3364	Aerospace Product and Parts	3,014	0	1	42	2,973
336411	Aircraft	1,204	0	*	42	1,163
337	Furniture and Related Products	2,180	0	0	0	2,180
339	Miscellaneous	2,300	0	*	0	2,300
	Total	330,804	7,905	91,912	22,771	407,850
	West Census Region					
311	Food	12,034	*	694	119	12,609
3112	Grain and Oilseed Milling	805	0	48	*	853
311221	Wet Corn Milling	64	0	26	0	90
31131	Sugar Manufacturing	250	0	448	88	610
3114	Fruit and Vegetable Preserving and Specialty Foods	3,623	0	22	*	3,645
3115	Dairy Products	3,294	0	19	22	3,291
3116	Animal Slaughtering and Processing	1,752	0	Q	0	1,753
312	Beverage and Tobacco Products	2,108	17	151	1	2,274
3121	Beverages	2,107	17	151	1	2,273
3122	Tobacco	1	0	0	0	1
313	Textile Mills	289	0	0	0	289
314	Textile Product Mills	Q	0	0	0	Q
315	Apparel	90	0	Q	0	91
316	Leather and Allied Products	31	0	0	0	31
321	Wood Products	3,840	13	1,115	786	4,182

Table 11.1 Electricity: Components of Net Demand, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Electricity Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
321113	Sawmills	1,590	9	851	571	1,879
3212	Veneer, Plywood, and Engineered Woods	1,427	*	8	0	1,435
321219	Reconstituted Wood Products	668	0	8	0	676
3219	Other Wood Products	730	Q	255	215	775
322	Paper	14,846	198	3,591	2,299	16,337
322110	Pulp Mills	178	0	34	*	212
322121	Paper Mills, except Newsprint	2,991	197	1,219	917	3,491
322122	Newsprint Mills	5,743	0	501	7	6,238
322130	Paperboard Mills	4,918	0	1,836	1,375	5,379
323	Printing and Related Support	Q	0	*	0	Q
324	Petroleum and Coal Products	8,204	0	6,074	1,431	12,847
324110	Petroleum Refineries	7,832	0	5,348	1,312	11,868
324121	Asphalt Paving Mixture and Block	220	0	588	*	809
324199	Other Petroleum and Coal Products	19	0	138	119	38
325	Chemicals	9,301	8	1,166	360	10,116
325110	Petrochemicals	0	0	0	0	0
325120	Industrial Gases	1,835	0	0	0	1,835
325181	Alkalies and Chlorine	1,830	0	474	0	2,304
325182	Carbon Black	1	0	0	0	1
325188	Other Basic Inorganic Chemicals	2,425	8	455	108	2,780
325192	Cyclic Crudes and Intermediates	1	0	0	0	1
325193	Ethyl Alcohol	253	0	0	0	253
325199	Other Basic Organic Chemicals	256	0	19	5	270
325211	Plastics Materials and Resins	179	0	*	*	179
325212	Synthetic Rubber	45	0	0	0	45
325222	Noncellulosic Organic Fibers	1	0	0	0	1
325311	Nitrogenous Fertilizers	169	0	*	0	169
325312	Phosphatic Fertilizers	407	0	161	161	407
3254	Pharmaceuticals and Medicines	987	0	56	Q	1,040
325412	Pharmaceutical Preparation	453	0	55	Q	505
325992	Photographic Film, Paper, Plate, and Chemicals	323	*	*	82	241
326	Plastics and Rubber Products	8,514	0	0	0	8,514
327	Nonmetallic Mineral Products	5,282	*	65	0	5,346
327121	Brick and Structural Clay Tile	39	*	0	0	39
327211	Flat Glass	185	0	*	0	185
327212	Other Pressed and Blown Glass and Glassware	97	0	*	0	97
327213	Glass Containers	945	0	*	0	945

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Table 11.1 Electricity: Components of Net Demand, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Electricity Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
327215	Glass Products from Purchased Glass	291	0	2	0	294
327310	Cements	1,708	0	43	0	1,752
327410	Lime	246	0	0	0	246
327420	Gypsum	205	0	19	0	224
327993	Mineral Wool	468	0	0	0	468
331	Primary Metals	12,346	42	394	179	12,603
331111	Iron and Steel Mills	2,923	0	0	3	2,919
331112	Electrometallurgical Ferroalloy Products	*	0	0	0	*
3312	Steel Products from Purchased Steel	113	0	0	0	113
3313	Alumina and Aluminum	4,951	*	*	0	4,951
331314	Secondary Smelting and Alloying of Aluminum	27	*	*	0	28
331315	Aluminum Sheet, Plate and Foils	353	0	0	0	353
331316	Aluminum Extruded Products	W	0	0	0	W
3314	Nonferrous Metals, except Aluminum	3,637	42	385	176	3,889
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	2,547	0	223	176	2,594
3315	Foundries	722	0	8	*	730
331511	Iron Foundries	99	0	0	0	99
331521	Aluminum Die-Casting Foundries	36	0	0	0	36
331524	Aluminum Foundries, except Die-Casting	164	0	1	*	164
332	Fabricated Metal Products	3,409	0	Q	Q	3,426
333	Machinery	1,271	0	0	0	1,271
334	Computer and Electronic Products	9,631	6	43	3	9,676
334413	Semiconductors and Related Devices	4,983	0	26	3	5,007
335	Electrical Equip., Appliances, and Components	478	0	0	0	478
336	Transportation Equipment	4,595	297	59	93	4,857
336111	Automobiles	28	0	0	0	28
336112	Light Trucks and Utility Vehicles	23	0	0	0	23
3364	Aerospace Product and Parts	3,412	294	59	93	3,672
336411	Aircraft	655	0	*	0	655
337	Furniture and Related Products	408	0	0	0	408
339	Miscellaneous	2,197	0	*	0	2,197
	Total	101,012	581	13,370	5,272	109,691

(a) The Bureau of the Census classifies establishments using the North American Industry Classification System (NAICS).
(b) 'Transfers In' include quantities delivered from any other establishment(s) in the

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Table 11.1 Electricity: Components of Net Demand, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Electricity Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)

company, quantities transferred from other establishments of the company for which payment was not made, quantities purchased centrally within the company but separate from the reporting establishment, and quantities for which payment was made in-kind.

(c) 'Total Onsite Generation' includes cogeneration, generation by renewable energy sources, and conventional generation by combustible fuels.

(d) 'Net Demand' is the sum of purchases, transfers in, and total onsite generation, minus sales and transfers offsite. It is the total amount of electricity used. It is not comparable to net electricity which excludes electricity generated onsite by combustible energy sources.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

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

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey.'

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Table 11.2 Electricity: Components of Net Demand, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Electricity Components;
Unit: Million Kilowatthours.

Economic Characteristic(a)	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
Total United States					
Value of Shipments and Receipts (million dollars)					
Under 20	91,909	Q	1,406	194	93,319
20-49	86,795	81	2,466	282	89,060
50-99	90,115	215	2,593	1,115	91,808
100-249	124,827	347	11,375	5,225	131,324
250-499	116,631	2,402	24,079	5,595	137,516
500 and Over	225,242	6,485	91,741	20,770	302,699
Total	735,520	9,728	133,661	33,181	845,727
Employment Size					
Under 50	89,541	157	3,024	395	92,327
50-99	75,087	644	1,222	3,412	73,540
100-249	158,190	2,347	14,306	6,687	168,155
250-499	155,175	362	30,131	5,389	180,280
500-999	148,140	2,465	36,291	7,082	179,814
1000 and Over	109,387	3,753	48,687	10,215	151,612
Total	735,520	9,728	133,661	33,181	845,727
Northeast Census Region					
Value of Shipments and Receipts (million dollars)					
Under 20	14,303	Q	95	2	14,543
20-49	9,676	*	1,907	153	11,430
50-99	11,610	191	369	8	12,164
100-249	13,069	Q	1,118	522	13,670
250-499	12,184	0	5,590	2,842	14,933

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Table 11.2 Electricity: Components of Net Demand, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Electricity Components;
Unit: Million Kilowatthours.

Economic Characteristic(a)	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
500 and Over	14,423	775	3,946	131	19,013
Total	75,265	1,119	13,025	3,658	85,752
Employment Size					
Under 50	11,091	Q	1,381	6	12,483
50-99	8,675	139	218	68	8,964
100-249	19,920	Q	350	3	20,400
250-499	12,672	Q	1,846	1,004	13,518
500-999	13,524	826	6,935	2,551	18,734
1000 and Over	9,382	0	2,295	26	11,652
Total	75,265	1,119	13,025	3,658	85,752
Midwest Census Region					
Value of Shipments and Receipts (million dollars)					
Under 20	29,162	Q	Q	Q	29,194
20-49	27,699	14	Q	3	27,934
50-99	26,588	Q	464	100	26,971
100-249	40,815	30	1,762	Q	42,358
250-499	29,039	28	1,522	421	30,168
500 and Over	75,134	21	11,361	707	85,810
Total	228,438	123	15,354	1,480	242,435
Employment Size					
Under 50	31,549	42	124	Q	31,714
50-99	24,583	1	18	Q	24,555
100-249	43,703	41	2,059	451	45,352
250-499	47,408	24	5,140	370	52,202
500-999	44,797	15	1,716	145	46,382
1000 and Over	36,398	0	6,298	466	42,230

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Table 11.2 Electricity: Components of Net Demand, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Electricity Components;
Unit: Million Kilowatthours.

Economic Characteristic(a)	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
Total	228,438	123	15,354	1,480	242,435
South Census Region					
Value of Shipments and Receipts (million dollars)					
Under 20	33,528	Q	508	0	34,060
20-49	34,782	66	20	1	34,867
50-99	38,943	4	458	330	39,075
100-249	53,338	62	6,463	3,712	56,150
250-499	55,065	2,125	15,112	1,335	70,967
500 and Over	115,149	5,623	69,352	17,392	172,732
Total	330,804	7,905	91,912	22,771	407,850
Employment Size					
Under 50	32,652	85	594	90	33,241
50-99	32,109	504	283	3,034	29,862
100-249	73,333	2160	9,898	5,283	80,108
250-499	70,193	228	18,161	1,589	86,993
500-999	68,205	1430	24,067	3,082	90,619
1000 and Over	54,313	3499	38,908	9,693	87,027
Total	330,804	7,905	91,912	22,771	407,850
West Census Region					
Value of Shipments and Receipts (million dollars)					
Under 20	14,916	17	781	191	15,523
20-49	14,639	*	316	125	14,830
50-99	12,974	0	1,302	678	13,598

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Table 11.2 Electricity: Components of Net Demand, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Electricity Components;
Unit: Million Kilowatthours.

Economic Characteristic(a)	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)
100-249	17,605	249	2,033	741	19,146
250-499	20,343	248	1,855	998	21,449
500 and Over	20,535	67	7,082	2,540	25,144
Total	101,012	581	13,370	5,272	109,691
Employment Size					
Under 50	14,249	12	926	298	14,889
50-99	9,720	*	703	264	10,159
100-249	21,233	13	1,999	950	22,295
250-499	24,902	107	4,984	2,426	27,567
500-999	21,614	195	3,573	1,304	24,078
1000 and Over	9,294	254	1,185	30	10,702
Total	101,012	581	13,370	5,272	109,691

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

(b) 'Transfers In' include quantities delivered from any other establishment(s) in the company, quantities transferred from other establishments of the company for which payment was not made, quantities purchased centrally within the company but separate from the reporting establishment, and quantities for which payment was made in-kind.

(c) 'Total Onsite Generation' includes cogeneration, generation by renewable energy sources, and conventional generation by combustible fuels.

(d) 'Net Demand' is the sum of purchases, transfers in, and total onsite generation, minus sales and transfers offsite. It is the total amount of electricity used. It is not comparable to net electricity which excludes electricity generated onsite by combustible energy sources.

NF=No applicable RSE row/column factor.
* Estimate less than 0.5.
W=Withheld to avoid disclosing data for individual establishments.
Q=Withheld because Relative Standard Error is greater than 50 percent.
NA=Not available.

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Table 11.2 Electricity: Components of Net Demand, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Electricity Components;
Unit: Million Kilowatthours.

Economic Characteristic(a)	Purchases	Transfers In(b)	Total Onsite Generation(c)	Sales and Transfers Offsite	Net Demand for Electricity(d)

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

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

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Table 11.3 Electricity: Components of Onsite Generation, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Onsite-Generation Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
		Total United States			
311	Food	5,666	5,414	81	171
3112	Grain and Oilseed Milling	3,494	3,491	Q	2
311221	Wet Corn Milling	3,213	3,211	0	2
31131	Sugar Manufacturing	1,382	1,319	64	0
3114	Fruit and Vegetable Preserving and Specialty Foods	336	325	Q	*
3115	Dairy Products	38	36	1	1
3116	Animal Slaughtering and Processing	19	Q	Q	14
312	Beverage and Tobacco Products	342	238	Q	7
3121	Beverages	308	204	Q	7
3122	Tobacco	34	34	*	*
313	Textile Mills	93	93	0	*
314	Textile Product Mills	Q	*	Q	0
315	Apparel	Q	Q	0	0
316	Leather and Allied Products	*	*	0	0
321	Wood Products	1,393	1,361	3	29
321113	Sawmills	980	950	2	28
3212	Veneer, Plywood, and Engineered Woods	52	52	0	*
321219	Reconstituted Wood Products	52	52	0	*
3219	Other Wood Products	285	284	0	Q
322	Paper	44,810	41,412	1,780	1,619
322110	Pulp Mills	5,396	4,947	449	0
322121	Paper Mills, except Newsprint	21,805	19,868	1,158	779
322122	Newsprint Mills	947	800	147	0
322130	Paperboard Mills	16,561	15,703	18	840
323	Printing and Related Support	*	*	0	*
324	Petroleum and Coal Products	18,989	18,095	1	893
324110	Petroleum Refineries	17,646	17,404	0	241
324121	Asphalt Paving Mixture and Block	652	*	*	652
324199	Other Petroleum and Coal Products	669	669	0	0
325	Chemicals	55,111	55,035	47	28
325110	Petrochemicals	5,382	5,379	0	4
325120	Industrial Gases	*	0	0	*
325181	Alkalies and Chlorine	W	W	0	0

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Table 11.3 Electricity: Components of Onsite Generation, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Onsite-Generation Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
325182	Carbon Black	511	510	0	*
325188	Other Basic Inorganic Chemicals	798	798	0	Q
325192	Cyclic Crudes and Intermediates	0	0	0	0
325193	Ethyl Alcohol	485	448	37	*
325199	Other Basic Organic Chemicals	17,746	17,746	*	*
325211	Plastics Materials and Resins	13,854	13,835	*	19
325212	Synthetic Rubber	285	285	*	0
325222	Noncellulosic Organic Fibers	19	19	0	0
325311	Nitrogenous Fertilizers	198	198	0	*
325312	Phosphatic Fertilizers	2,279	2,279	0	*
3254	Pharmaceuticals and Medicines	876	863	10	3
325412	Pharmaceutical Preparation	287	277	8	2
325992	Photographic Film, Paper, Plate, and Chemicals	484	484	0	*
326	Plastics and Rubber Products	265	265	0	*
327	Nonmetallic Mineral Products	321	265	51	5
327121	Brick and Structural Clay Tile	*	0	0	*
327211	Flat Glass	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	Q	0	Q	*
327213	Glass Containers	3	1	0	1
327215	Glass Products from Purchased Glass	6	2	2	2
327310	Cements	257	214	43	*
327410	Lime	0	0	0	0
327420	Gypsum	20	19	0	1
327993	Mineral Wool	*	0	0	*
331	Primary Metals	5,684	5,174	*	509
331111	Iron and Steel Mills	4,716	4,215	0	501
331112	Electrometallurgical Ferroalloy Products	0	0	0	0
3312	Steel Products from Purchased Steel	*	0	0	*
3313	Alumina and Aluminum	521	520	*	*
331314	Secondary Smelting and Alloying of Aluminum	*	*	0	*
331315	Aluminum Sheet, Plate and Foils	*	0	*	0
331316	Aluminum Extruded Products	*	0	*	0
3314	Nonferrous Metals, except Aluminum	431	431	*	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	223	223	0	*
3315	Foundries	16	8	0	8
331511	Iron Foundries	6	0	0	6

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Table 11.3 Electricity: Components of Onsite Generation, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Onsite-Generation Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
331521	Aluminum Die-Casting Foundries	2	0	0	2
331524	Aluminum Foundries, except Die-Casting	1	*	0	*
332	Fabricated Metal Products	143	Q	Q	1
333	Machinery	119	115	*	Q
334	Computer and Electronic Products	54	25	10	19
334413	Semiconductors and Related Devices	27	25	2	*
335	Electrical Equip., Appliances, and Components	*	*	*	*
336	Transportation Equipment	472	466	3	3
336111	Automobiles	2	1	*	2
336112	Light Trucks and Utility Vehicles	64	64	0	*
3364	Aerospace Product and Parts	406	402	3	1
336411	Aircraft	143	142	*	*
337	Furniture and Related Products	58	44	0	Q
339	Miscellaneous	136	124	Q	Q
	Total	133,661	128,252	2,100	3,309
	Northeast Census Region				
311	Food	282	280	Q	1
3112	Grain and Oilseed Milling	4	4	0	0
311221	Wet Corn Milling	0	0	0	0
31131	Sugar Manufacturing	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	19	19	0	*
3115	Dairy Products	17	16	Q	1
3116	Animal Slaughtering and Processing	*	0	0	*
312	Beverage and Tobacco Products	*	0	*	0
3121	Beverages	*	0	*	0
3122	Tobacco	0	0	0	0
313	Textile Mills	35	35	0	0
314	Textile Product Mills	*	*	0	0
315	Apparel	0	0	0	0
316	Leather and Allied Products	0	0	0	0
321	Wood Products	80	78	0	3
321113	Sawmills	6	3	0	3
3212	Veneer, Plywood, and Engineered Woods	0	0	0	0

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Table 11.3 Electricity: Components of Onsite Generation, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Onsite-Generation Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
321219	Reconstituted Wood Products	0	0	0	0
3219	Other Wood Products	*	0	0	*
322	Paper	7,863	5,994	1,563	306
322110	Pulp Mills	531	82	449	0
322121	Paper Mills, except Newsprint	7,009	5,741	962	306
322122	Newsprint Mills	173	26	147	0
322130	Paperboard Mills	149	145	4	0
323	Printing and Related Support	0	0	0	0
324	Petroleum and Coal Products	1,909	1,773	1	135
324110	Petroleum Refineries	1,847	1,773	0	74
324121	Asphalt Paving Mixture and Block	Q	*	0	Q
324199	Other Petroleum and Coal Products	*	*	0	0
325	Chemicals	1,641	1,636	3	2
325110	Petrochemicals	0	0	0	0
325120	Industrial Gases	0	0	0	0
325181	Alkalies and Chlorine	0	0	0	0
325182	Carbon Black	0	0	0	0
325188	Other Basic Inorganic Chemicals	3	3	0	0
325192	Cyclic Crudes and Intermediates	0	0	0	0
325193	Ethyl Alcohol	0	0	0	0
325199	Other Basic Organic Chemicals	10	10	0	*
325211	Plastics Materials and Resins	*	0	0	*
325212	Synthetic Rubber	*	0	*	0
325222	Noncellulosic Organic Fibers	0	0	0	0
325311	Nitrogenous Fertilizers	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0
3254	Pharmaceuticals and Medicines	583	579	3	2
325412	Pharmaceutical Preparation	228	226	1	1
325992	Photographic Film, Paper, Plate, and Chemicals	484	484	0	0
326	Plastics and Rubber Products	139	139	0	0
327	Nonmetallic Mineral Products	36	Q	Q	*
327121	Brick and Structural Clay Tile	0	0	0	0
327211	Flat Glass	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	Q	0	Q	*
327213	Glass Containers	0	0	0	0
327215	Glass Products from Purchased Glass	2	0	2	*

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Table 11.3 Electricity: Components of Onsite Generation, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Onsite-Generation Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
327310	Cements	0	0	0	0
327410	Lime	0	0	0	0
327420	Gypsum	0	0	0	0
327993	Mineral Wool	0	0	0	0
331	Primary Metals	511	11	*	501
331111	Iron and Steel Mills	511	11	0	501
331112	Electrometallurgical Ferroalloy Products	0	0	0	0
3312	Steel Products from Purchased Steel	0	0	0	0
3313	Alumina and Aluminum	*	0	*	*
331314	Secondary Smelting and Alloying of Aluminum	*	0	0	*
331315	Aluminum Sheet, Plate and Foils	0	0	0	0
331316	Aluminum Extruded Products	*	0	*	0
3314	Nonferrous Metals, except Aluminum	*	0	*	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	0	0	0	0
3315	Foundries	*	0	0	*
331511	Iron Foundries	0	0	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0
332	Fabricated Metal Products	Q	Q	0	*
333	Machinery	*	0	*	0
334	Computer and Electronic Products	Q	0	0	Q
334413	Semiconductors and Related Devices	*	0	0	*
335	Electrical Equip., Appliances, and Components	*	0	*	0
336	Transportation Equipment	323	321	Q	*
336111	Automobiles	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0
3364	Aerospace Product and Parts	323	321	Q	*
336411	Aircraft	142	142	*	0
337	Furniture and Related Products	*	0	0	*
339	Miscellaneous	136	124	Q	Q
	Total	13,025	10,489	1,583	954
		Midwest Census Region			
311	Food	3,604	3,552	41	11

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Table 11.3 Electricity: Components of Onsite Generation, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Onsite-Generation Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
3112	Grain and Oilseed Milling	3,304	3,302	0	2
311221	Wet Corn Milling	3,091	3,089	0	2
31131	Sugar Manufacturing	286	246	40	0
3114	Fruit and Vegetable Preserving and Specialty Foods	1	1	0	*
3115	Dairy Products	Q	2	*	*
3116	Animal Slaughtering and Processing	11	Q	0	9
312	Beverage and Tobacco Products	60	60	0	*
3121	Beverages	60	60	0	*
3122	Tobacco	0	0	0	0
313	Textile Mills	0	0	0	0
314	Textile Product Mills	0	0	0	0
315	Apparel	0	0	0	0
316	Leather and Allied Products	0	0	0	0
321	Wood Products	50	44	0	6
321113	Sawmills	Q	0	0	Q
3212	Veneer, Plywood, and Engineered Woods	44	44	0	0
321219	Reconstituted Wood Products	44	44	0	0
3219	Other Wood Products	1	*	0	Q
322	Paper	4,901	4,696	204	Q
322110	Pulp Mills	0	0	0	0
322121	Paper Mills, except Newsprint	4,269	4,086	182	0
322122	Newsprint Mills	20	20	0	0
322130	Paperboard Mills	511	497	14	0
323	Printing and Related Support	*	0	0	*
324	Petroleum and Coal Products	1,276	1,275	0	1
324110	Petroleum Refineries	887	887	0	0
324121	Asphalt Paving Mixture and Block	1	0	0	1
324199	Other Petroleum and Coal Products	388	388	0	0
325	Chemicals	1,294	1,256	37	1
325110	Petrochemicals	*	0	0	*
325120	Industrial Gases	0	0	0	0
325181	Alkalies and Chlorine	0	0	0	0
325182	Carbon Black	*	0	0	*
325188	Other Basic Inorganic Chemicals	3	3	0	*
325192	Cyclic Crudes and Intermediates	0	0	0	0
325193	Ethyl Alcohol	483	446	37	*

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Table 11.3 Electricity: Components of Onsite Generation, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Onsite-Generation Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
325199	Other Basic Organic Chemicals	340	340	0	*
325211	Plastics Materials and Resins	*	0	0	*
325212	Synthetic Rubber	0	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0
325311	Nitrogenous Fertilizers	*	*	0	*
325312	Phosphatic Fertilizers	*	0	0	*
3254	Pharmaceuticals and Medicines	Q	Q	*	*
325412	Pharmaceutical Preparation	*	0	*	*
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0	0
326	Plastics and Rubber Products	Q	Q	0	*
327	Nonmetallic Mineral Products	216	214	0	2
327121	Brick and Structural Clay Tile	0	0	0	0
327211	Flat Glass	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	*	0	0	*
327213	Glass Containers	1	0	0	1
327215	Glass Products from Purchased Glass	*	*	0	*
327310	Cements	214	214	0	0
327410	Lime	0	0	0	0
327420	Gypsum	0	0	0	0
327993	Mineral Wool	*	0	0	*
331	Primary Metals	3,613	3,607	0	6
331111	Iron and Steel Mills	3,601	3,601	0	0
331112	Electrometallurgical Ferroalloy Products	0	0	0	0
3312	Steel Products from Purchased Steel	*	0	0	*
3313	Alumina and Aluminum	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0	0
331316	Aluminum Extruded Products	0	0	0	0
3314	Nonferrous Metals, except Aluminum	6	6	0	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	0	0	0	0
3315	Foundries	6	0	0	6
331511	Iron Foundries	6	0	0	6
331521	Aluminum Die-Casting Foundries	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0
332	Fabricated Metal Products	*	*	0	*
333	Machinery	119	115	0	Q

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Table 11.3 Electricity: Components of Onsite Generation, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Onsite-Generation Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
334	Computer and Electronic Products	Q	0	Q	Q
334413	Semiconductors and Related Devices	*	0	0	*
335	Electrical Equip., Appliances, and Components	*	*	0	0
336	Transportation Equipment	27	26	*	2
336111	Automobiles	2	1	*	2
336112	Light Trucks and Utility Vehicles	2	2	0	*
3364	Aerospace Product and Parts	23	23	0	*
336411	Aircraft	0	0	0	0
337	Furniture and Related Products	58	44	0	Q
339	Miscellaneous	0	0	0	0
	Total	15,354	15,015	286	54
	South Census Region				
311	Food	1,086	1,080	0	6
3112	Grain and Oilseed Milling	138	138	0	0
311221	Wet Corn Milling	96	96	0	0
31131	Sugar Manufacturing	649	649	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	293	293	0	0
3115	Dairy Products	0	0	0	0
3116	Animal Slaughtering and Processing	6	0	0	6
312	Beverage and Tobacco Products	130	130	*	*
3121	Beverages	96	96	0	*
3122	Tobacco	34	34	*	*
313	Textile Mills	58	58	0	*
314	Textile Product Mills	Q	0	Q	0
315	Apparel	0	0	0	0
316	Leather and Allied Products	*	*	0	0
321	Wood Products	148	139	2	Q
321113	Sawmills	119	110	2	Q
3212	Veneer, Plywood, and Engineered Woods	*	0	0	*
321219	Reconstituted Wood Products	*	0	0	*
3219	Other Wood Products	29	29	0	0
322	Paper	28,457	27,144	0	1,312
322110	Pulp Mills	4,831	4,831	0	0

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Table 11.3 Electricity: Components of Onsite Generation, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Onsite-Generation Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
322121	Paper Mills, except Newsprint	9,308	8,835	0	473
322122	Newsprint Mills	253	253	0	0
322130	Paperboard Mills	14,065	13,225	0	840
323	Printing and Related Support	*	0	0	*
324	Petroleum and Coal Products	9,730	9,707	0	22
324110	Petroleum Refineries	9,564	9,544	0	20
324121	Asphalt Paving Mixture and Block	2	0	0	2
324199	Other Petroleum and Coal Products	143	143	0	0
325	Chemicals	51,010	50,985	*	25
325110	Petrochemicals	5,382	5,379	0	4
325120	Industrial Gases	*	0	0	*
325181	Alkalies and Chlorine	W	W	0	0
325182	Carbon Black	510	510	0	0
325188	Other Basic Inorganic Chemicals	338	337	0	Q
325192	Cyclic Crudes and Intermediates	0	0	0	0
325193	Ethyl Alcohol	2	2	0	0
325199	Other Basic Organic Chemicals	17,376	17,376	0	0
325211	Plastics Materials and Resins	13,853	13,834	*	19
325212	Synthetic Rubber	285	285	0	0
325222	Noncellulosic Organic Fibers	19	19	0	0
325311	Nitrogenous Fertilizers	197	197	0	*
325312	Phosphatic Fertilizers	2,118	2,118	0	0
3254	Pharmaceuticals and Medicines	28	27	*	1
325412	Pharmaceutical Preparation	4	3	0	1
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0	0
326	Plastics and Rubber Products	*	0	0	*
327	Nonmetallic Mineral Products	4	1	0	3
327121	Brick and Structural Clay Tile	*	0	0	*
327211	Flat Glass	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	*	0	0	*
327213	Glass Containers	1	1	0	0
327215	Glass Products from Purchased Glass	2	0	0	2
327310	Cements	0	0	0	0
327410	Lime	0	0	0	0
327420	Gypsum	1	0	0	1
327993	Mineral Wool	*	0	0	*

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Table 11.3 Electricity: Components of Onsite Generation, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Onsite-Generation Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
331	Primary Metals	1,166	1,164	*	2
331111	Iron and Steel Mills	604	604	0	*
331112	Electrometallurgical Ferroalloy Products	0	0	0	0
3312	Steel Products from Purchased Steel	0	0	0	0
3313	Alumina and Aluminum	520	520	*	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	*	0	*	0
331316	Aluminum Extruded Products	0	0	0	0
3314	Nonferrous Metals, except Aluminum	39	39	0	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	0	0	0	0
3315	Foundries	2	0	0	2
331511	Iron Foundries	*	0	0	*
331521	Aluminum Die-Casting Foundries	2	0	0	2
331524	Aluminum Foundries, except Die-Casting	0	0	0	0
332	Fabricated Metal Products	Q	Q	*	*
333	Machinery	*	0	*	0
334	Computer and Electronic Products	Q	0	Q	*
334413	Semiconductors and Related Devices	Q	0	Q	*
335	Electrical Equip., Appliances, and Components	*	0	0	*
336	Transportation Equipment	63	62	*	1
336111	Automobiles	*	0	*	0
336112	Light Trucks and Utility Vehicles	62	62	0	0
3364	Aerospace Product and Parts	1	0	0	1
336411	Aircraft	*	0	0	*
337	Furniture and Related Products	0	0	0	0
339	Miscellaneous	*	0	0	*
	Total	91,912	90,527	6	1,379
	West Census Region				
311	Food	694	502	40	153
3112	Grain and Oilseed Milling	48	47	Q	0
311221	Wet Corn Milling	26	26	0	0
31131	Sugar Manufacturing	448	424	23	0
3114	Fruit and Vegetable Preserving and Specialty Foods	22	Q	Q	0

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Table 11.3 Electricity: Components of Onsite Generation, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Onsite-Generation Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
3115	Dairy Products	19	19	0	0
3116	Animal Slaughtering and Processing	Q	0	Q	*
312	Beverage and Tobacco Products	151	48	Q	7
3121	Beverages	151	48	Q	7
3122	Tobacco	0	0	0	0
313	Textile Mills	0	0	0	0
314	Textile Product Mills	0	0	0	0
315	Apparel	Q	Q	0	0
316	Leather and Allied Products	0	0	0	0
321	Wood Products	1,115	1,101	Q	13
321113	Sawmills	851	838	*	13
3212	Veneer, Plywood, and Engineered Woods	8	8	0	0
321219	Reconstituted Wood Products	8	8	0	0
3219	Other Wood Products	255	255	0	0
322	Paper	3,591	3,577	14	0
322110	Pulp Mills	34	34	*	0
322121	Paper Mills, except Newsprint	1,219	1,206	14	0
322122	Newsprint Mills	501	501	0	0
322130	Paperboard Mills	1,836	1,836	0	0
323	Printing and Related Support	*	*	0	0
324	Petroleum and Coal Products	6,074	5,339	*	736
324110	Petroleum Refineries	5,348	5,200	0	147
324121	Asphalt Paving Mixture and Block	588	0	*	588
324199	Other Petroleum and Coal Products	138	138	0	0
325	Chemicals	1,166	1,158	8	*
325110	Petrochemicals	0	0	0	0
325120	Industrial Gases	0	0	0	0
325181	Alkalies and Chlorine	474	474	0	0
325182	Carbon Black	0	0	0	0
325188	Other Basic Inorganic Chemicals	455	455	0	0
325192	Cyclic Crudes and Intermediates	0	0	0	0
325193	Ethyl Alcohol	0	0	0	0
325199	Other Basic Organic Chemicals	19	19	*	0
325211	Plastics Materials and Resins	*	*	*	0
325212	Synthetic Rubber	0	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0

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Table 11.3 Electricity: Components of Onsite Generation, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Onsite-Generation Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
325311	Nitrogenous Fertilizers	*	0	0	*
325312	Phosphatic Fertilizers	161	161	0	0
3254	Pharmaceuticals and Medicines	56	49	7	*
325412	Pharmaceutical Preparation	55	49	7	*
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	0	*
326	Plastics and Rubber Products	0	0	0	0
327	Nonmetallic Mineral Products	65	21	43	*
327121	Brick and Structural Clay Tile	0	0	0	0
327211	Flat Glass	*	0	0	*
327212	Other Pressed and Blown Glass and Glassware	*	0	0	*
327213	Glass Containers	*	0	0	*
327215	Glass Products from Purchased Glass	2	2	0	0
327310	Cements	43	0	43	*
327410	Lime	0	0	0	0
327420	Gypsum	19	19	0	*
327993	Mineral Wool	0	0	0	0
331	Primary Metals	394	393	0	*
331111	Iron and Steel Mills	0	0	0	0
331112	Electrometallurgical Ferroalloy Products	0	0	0	0
3312	Steel Products from Purchased Steel	0	0	0	0
3313	Alumina and Aluminum	*	*	0	*
331314	Secondary Smelting and Alloying of Aluminum	*	*	0	*
331315	Aluminum Sheet, Plate and Foils	0	0	0	0
331316	Aluminum Extruded Products	0	0	0	0
3314	Nonferrous Metals, except Aluminum	385	385	0	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	223	223	0	*
3315	Foundries	8	8	0	*
331511	Iron Foundries	0	0	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	1	*	0	*
332	Fabricated Metal Products	Q	0	Q	*
333	Machinery	0	0	0	0
334	Computer and Electronic Products	43	25	5	13
334413	Semiconductors and Related Devices	26	25	1	*
335	Electrical Equip., Appliances, and Components	0	0	0	0
336	Transportation Equipment	59	58	1	*

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Table 11.3 Electricity: Components of Onsite Generation, 2010;

Level: National and Regional Data;
Row: NAICS Codes; Column: Onsite-Generation Components;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
336111	Automobiles	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0
3364	Aerospace Product and Parts	59	58	1	*
336411	Aircraft	*	0	0	*
337	Furniture and Related Products	0	0	0	0
339	Miscellaneous	*	0	0	*
	Total	13,370	12,222	225	923

(a) The Bureau of the Census classifies establishments using the North American Industry Classification System (NAICS).
(b) 'Cogeneration' is the production of electrical energy and another form of useful energy, such as heat or steam, through the sequential use of energy. Cogeneration includes electricity generated from fossil fuels, such as natural gas, fuel oils, and coal; wood; and other biomass.
(c) 'Renewable Energy' is energy obtained from essentially inexhaustible sources. Noncombustible sources include solar power, wind power, hydropower, and geothermal power.
(d) 'Other' is that electricity obtained from a generator fueled by combustible energy sources, such as diesel fuels and other fuel oils.
NF=No applicable RSE row/column factor.
* Estimate less than 0.5.
W=Withheld to avoid disclosing data for individual establishments.
Q=Withheld because Relative Standard Error is greater than 50 percent.
NA=Not available.
Notes: Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey.'

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Table 11.4 Electricity: Components of Onsite Generation, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Onsite-Generation Components;
Unit: Million Kilowatthours.

Economic Characteristic(a)	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
Total United States				
Value of Shipments and Receipts (million dollars)				
Under 20	1,406	632	Q	746
20-49	2,466	1,907	535	25
50-99	2,593	2,513	45	36
100-249	11,375	10,771	412	191
250-499	24,079	22,496	1,028	555
500 and Over	91,741	89,932	53	1,756
Total	133,661	128,252	2,100	3,309
Employment Size				
Under 50	3,024	2,204	79	741
50-99	1,222	1,105	Q	25
100-249	14,306	13,919	241	146
250-499	30,131	28,745	682	704
500-999	36,291	34,169	996	1,127
1000 and Over	48,687	48,110	11	566
Total	133,661	128,252	2,100	3,309
Northeast Census Region				
Value of Shipments and Receipts (million dollars)				
Under 20	95	39	Q	Q
20-49	1,907	1,428	465	Q
50-99	369	363	*	Q
100-249	1,118	919	198	1
250-499	5,590	4,676	913	2
500 and Over	3,946	3,064	1	880
Total	13,025	10,489	1,583	954
Employment Size				
Under 50	1,381	1,314	Q	Q
50-99	218	201	12	4
100-249	350	196	152	2
250-499	1,846	1,346	499	1
500-999	6,935	5,639	911	385
1000 and Over	2,295	1,793	1	502
Total	13,025	10,489	1,583	954

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Table 11.4 Electricity: Components of Onsite Generation, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Onsite-Generation Components;
Unit: Million Kilowatthours.

Economic Characteristic(a)	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
Midwest Census Region				
Value of Shipments and Receipts (million dollars)				
Under 20	Q	Q	*	Q
20-49	Q	Q	14	8
50-99	464	420	37	7
100-249	1,762	1,658	102	2
250-499	1,522	1,409	107	Q
500 and Over	11,361	11,326	26	9
Total	15,354	15,015	286	54
Employment Size				
Under 50	124	62	42	Q
50-99	18	4	9	5
100-249	2,059	2,027	25	7
250-499	5,140	5,000	131	9
500-999	1,716	1,641	74	1
1000 and Over	6,298	6,282	Q	12
Total	15,354	15,015	286	54
South Census Region				
Value of Shipments and Receipts (million dollars)				
Under 20	508	498	*	Q
20-49	20	16	2	1
50-99	458	452	0	6
100-249	6,463	6,352	0	111
250-499	15,112	14,561	Q	547
500 and Over	69,352	68,648	*	704
Total	91,912	90,527	6	1,379
Employment Size				
Under 50	594	584	*	Q
50-99	283	282	0	1
100-249	9,898	9,784	2	112
250-499	18,161	17,611	*	550
500-999	24,067	23,373	Q	690
1000 and Over	38,908	38,892	*	16
Total	91,912	90,527	6	1,379

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Table 11.4 Electricity: Components of Onsite Generation, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Onsite-Generation Components;
Unit: Million Kilowatthours.

Economic Characteristic(a)	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)
West Census Region				
Value of Shipments and Receipts (million dollars)				
Under 20	781	94	Q	665
20-49	316	262	54	1
50-99	1,302	1,279	7	16
100-249	2,033	1,843	Q	77
250-499	1,855	1,850	5	*
500 and Over	7,082	6,893	25	163
Total	13,370	12,222	225	923
Employment Size				
Under 50	926	244	Q	652
50-99	703	618	Q	14
100-249	1,999	1,912	61	26
250-499	4,984	4,789	51	144
500-999	3,573	3,516	7	50
1000 and Over	1,185	1,143	5	37
Total	13,370	12,222	225	923

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

(b) 'Cogeneration' is the production of electrical energy and another form of useful energy, such as heat or steam, through the sequential use of energy. Cogeneration includes electricity generated from fossil fuels, such as natural gas, fuel oils, and coal; wood; and other biomass.

(c) 'Renewable Energy' is energy obtained from essentially inexhaustible sources. Noncombustible sources include solar power, wind power, hydropower, and geothermal power.

(d) 'Other' is that electricity obtained from a generator fueled by combustible energy sources, such as diesel fuels and other fuel oils.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

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

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

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Table 11.4 Electricity: Components of Onsite Generation, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Onsite-Generation Components;
Unit: Million Kilowatthours.

Economic Characteristic(a)	Total Onsite Generation	Cogeneration(b)	Renewable Energy (excluding Wood and Other Biomass)(c)	Other(d)

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Table 11.5 Electricity: Sales to Utility and Nonutility Purchasers, 2010;

Level: National and Regional Data;
Row: NAICS Codes;
Column: Utility and Nonutility Purchasers;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total of Sales and Transfers Offsite	Utility Purchaser(b)	Nonutility Purchaser(c)
		Total United States		
311	Food	347	168	179
3112	Grain and Oilseed Milling	142	6	136
311221	Wet Corn Milling	14	4	10
31131	Sugar Manufacturing	109	88	21
3114	Fruit and Vegetable Preserving and Specialty Foods	66	66	0
3115	Dairy Products	22	0	22
3116	Animal Slaughtering and Processing	0	0	0
312	Beverage and Tobacco Products	1	1	*
3121	Beverages	1	1	*
3122	Tobacco	0	0	0
313	Textile Mills	109	109	*
314	Textile Product Mills	0	0	0
315	Apparel	0	0	0
316	Leather and Allied Products	0	0	0
321	Wood Products	909	900	Q
321113	Sawmills	627	618	Q
3212	Veneer, Plywood, and Engineered Woods	*	*	0
321219	Reconstituted Wood Products	*	*	0
3219	Other Wood Products	217	217	0
322	Paper	8,152	5,033	3,119
322110	Pulp Mills	409	279	130
322121	Paper Mills, except Newsprint	4,671	2,387	2,284
322122	Newsprint Mills	297	8	289
322130	Paperboard Mills	2,776	2,360	416
323	Printing and Related Support	0	0	0
324	Petroleum and Coal Products	5,496	2,425	3,071
324110	Petroleum Refineries	4,913	1,962	2,951
324121	Asphalt Paving Mixture and Block	*	*	0
324199	Other Petroleum and Coal Products	583	463	119
325	Chemicals	14,311	8,678	5,633
325110	Petrochemicals	734	W	W
325120	Industrial Gases	0	0	0
325181	Alkalies and Chlorine	W	1,541	W
325182	Carbon Black	262	262	*
325188	Other Basic Inorganic Chemicals	147	142	5
325192	Cyclic Crudes and Intermediates	0	0	0
325193	Ethyl Alcohol	4	0	4
325199	Other Basic Organic Chemicals	6,212	4,965	1,247
325211	Plastics Materials and Resins	934	508	426
325212	Synthetic Rubber	61	*	60
325222	Noncellulosic Organic Fibers	41	0	41
325311	Nitrogenous Fertilizers	2	2	*
325312	Phosphatic Fertilizers	458	458	0
3254	Pharmaceuticals and Medicines	11	10	*
325412	Pharmaceutical Preparation	Q	Q	0
325992	Photographic Film, Paper, Plate, and Chemicals	86	1	85
326	Plastics and Rubber Products	Q	Q	0
327	Nonmetallic Mineral Products	45	3	Q
327121	Brick and Structural Clay Tile	0	0	0
327211	Flat Glass	0	0	0
327212	Other Pressed and Blown Glass and Glassware	Q	Q	*
327213	Glass Containers	0	0	0
327215	Glass Products from Purchased Glass	0	0	0
327310	Cements	5	3	2
327410	Lime	0	0	0
327420	Gypsum	0	0	0
327993	Mineral Wool	0	0	0

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Table 11.5 Electricity: Sales to Utility and Nonutility Purchasers, 2010;

Level: National and Regional Data;
Row: NAICS Codes;
Column: Utility and Nonutility Purchasers;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total of Sales and Transfers Offsite	Utility Purchaser(b)	Nonutility Purchaser(c)
331	Primary Metals	3,420	3,405	15
331111	Iron and Steel Mills	406	396	10
331112	Electrometallurgical Ferroalloy Products	4	0	4
3312	Steel Products from Purchased Steel	0	0	0
3313	Alumina and Aluminum	2,834	2,834	0
331314	Secondary Smelting and Alloying of Aluminum	2,834	2,834	0
331315	Aluminum Sheet, Plate and Foils	0	0	0
331316	Aluminum Extruded Products	0	0	0
3314	Nonferrous Metals, except Aluminum	176	176	1
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	176	176	0
3315	Foundries	*	*	0
331511	Iron Foundries	*	*	0
331521	Aluminum Die-Casting Foundries	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	*	0
332	Fabricated Metal Products	Q	Q	Q
333	Machinery	0	0	0
334	Computer and Electronic Products	4	4	*
334413	Semiconductors and Related Devices	4	4	0
335	Electrical Equip., Appliances, and Components	*	*	0
336	Transportation Equipment	158	59	98
336111	Automobiles	0	0	0
336112	Light Trucks and Utility Vehicles	5	0	5
3364	Aerospace Product and Parts	153	59	94
336411	Aircraft	58	58	0
337	Furniture and Related Products	0	0	0
339	Miscellaneous	*	*	0
	Total	33,181	20,793	12,388
	Northeast Census Region			
311	Food	4	0	4
3112	Grain and Oilseed Milling	4	0	4
311221	Wet Corn Milling	0	0	0
31131	Sugar Manufacturing	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	0	0	0
3115	Dairy Products	0	0	0
3116	Animal Slaughtering and Processing	0	0	0
312	Beverage and Tobacco Products	*	0	*
3121	Beverages	*	0	*
3122	Tobacco	0	0	0
313	Textile Mills	0	0	0
314	Textile Product Mills	0	0	0
315	Apparel	0	0	0
316	Leather and Allied Products	0	0	0
321	Wood Products	65	65	0
321113	Sawmills	0	0	0
3212	Veneer, Plywood, and Engineered Woods	0	0	0
321219	Reconstituted Wood Products	0	0	0
3219	Other Wood Products	0	0	0
322	Paper	3,442	902	2,540
322110	Pulp Mills	89	87	3
322121	Paper Mills, except Newsprint	3,062	814	2,248
322122	Newsprint Mills	290	*	289
322130	Paperboard Mills	2	2	0
323	Printing and Related Support	0	0	0
324	Petroleum and Coal Products	1	*	1
324110	Petroleum Refineries	*	*	0
324121	Asphalt Paving Mixture and Block	0	0	0
324199	Other Petroleum and Coal Products	0	0	0

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Table 11.5 Electricity: Sales to Utility and Nonutility Purchasers, 2010;

Level: National and Regional Data;
Row: NAICS Codes;
Column: Utility and Nonutility Purchasers;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total of Sales and Transfers Offsite	Utility Purchaser(b)	Nonutility Purchaser(c)
325	Chemicals	81	73	8
325110	Petrochemicals	0	0	0
325120	Industrial Gases	0	0	0
325181	Alkalies and Chlorine	0	0	0
325182	Carbon Black	0	0	0
325188	Other Basic Inorganic Chemicals	0	0	0
325192	Cyclic Crudes and Intermediates	0	0	0
325193	Ethyl Alcohol	4	0	4
325199	Other Basic Organic Chemicals	0	0	0
325211	Plastics Materials and Resins	0	0	0
325212	Synthetic Rubber	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0
325311	Nitrogenous Fertilizers	0	0	0
325312	Phosphatic Fertilizers	0	0	0
3254	Pharmaceuticals and Medicines	7	7	*
325412	Pharmaceutical Preparation	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	4	1	3
326	Plastics and Rubber Products	0	0	0
327	Nonmetallic Mineral Products	Q	Q	Q
327121	Brick and Structural Clay Tile	0	0	0
327211	Flat Glass	0	0	0
327212	Other Pressed and Blown Glass and Glassware	Q	Q	0
327213	Glass Containers	0	0	0
327215	Glass Products from Purchased Glass	0	0	0
327310	Cements	0	0	0
327410	Lime	0	0	0
327420	Gypsum	0	0	0
327993	Mineral Wool	0	0	0
331	Primary Metals	7	0	7
331111	Iron and Steel Mills	7	0	7
331112	Electrometallurgical Ferroalloy Products	0	0	0
3312	Steel Products from Purchased Steel	0	0	0
3313	Alumina and Aluminum	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0
331316	Aluminum Extruded Products	0	0	0
3314	Nonferrous Metals, except Aluminum	0	0	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	0	0	0
3315	Foundries	0	0	0
331511	Iron Foundries	0	0	0
331521	Aluminum Die-Casting Foundries	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0
332	Fabricated Metal Products	0	0	0
333	Machinery	0	0	0
334	Computer and Electronic Products	*	0	*
334413	Semiconductors and Related Devices	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0
336	Transportation Equipment	18	18	*
336111	Automobiles	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0
3364	Aerospace Product and Parts	18	18	*
336411	Aircraft	16	16	0
337	Furniture and Related Products	0	0	0
339	Miscellaneous	*	*	0
	Total	3,658	1,059	2,599
	Midwest Census Region			
311	Food	16	6	10

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Next MECS will be fielded in 2015

Table 11.5 Electricity: Sales to Utility and Nonutility Purchasers, 2010;

Level: National and Regional Data;
Row: NAICS Codes;
Column: Utility and Nonutility Purchasers;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total of Sales and Transfers Offsite	Utility Purchaser(b)	Nonutility Purchaser(c)
3112	Grain and Oilseed Milling	16	6	10
311221	Wet Corn Milling	14	4	10
31131	Sugar Manufacturing	*	*	0
3114	Fruit and Vegetable Preserving and Specialty Foods	0	0	0
3115	Dairy Products	0	0	0
3116	Animal Slaughtering and Processing	0	0	0
312	Beverage and Tobacco Products	0	0	0
3121	Beverages	0	0	0
3122	Tobacco	0	0	0
313	Textile Mills	0	0	0
314	Textile Product Mills	0	0	0
315	Apparel	0	0	0
316	Leather and Allied Products	0	0	0
321	Wood Products	*	*	0
321113	Sawmills	0	0	0
3212	Veneer, Plywood, and Engineered Woods	*	*	0
321219	Reconstituted Wood Products	*	*	0
3219	Other Wood Products	*	*	0
322	Paper	186	125	61
322110	Pulp Mills	0	0	0
322121	Paper Mills, except Newsprint	161	125	36
322122	Newsprint Mills	0	0	0
322130	Paperboard Mills	25	0	25
323	Printing and Related Support	0	0	0
324	Petroleum and Coal Products	524	430	94
324110	Petroleum Refineries	138	44	94
324121	Asphalt Paving Mixture and Block	0	0	0
324199	Other Petroleum and Coal Products	386	386	0
325	Chemicals	117	Q	67
325110	Petrochemicals	0	0	0
325120	Industrial Gases	0	0	0
325181	Alkalies and Chlorine	0	0	0
325182	Carbon Black	*	0	*
325188	Other Basic Inorganic Chemicals	0	0	0
325192	Cyclic Crudes and Intermediates	0	0	0
325193	Ethyl Alcohol	0	0	0
325199	Other Basic Organic Chemicals	36	*	35
325211	Plastics Materials and Resins	6	0	6
325212	Synthetic Rubber	26	0	26
325222	Noncellulosic Organic Fibers	0	0	0
325311	Nitrogenous Fertilizers	*	0	*
325312	Phosphatic Fertilizers	0	0	0
3254	Pharmaceuticals and Medicines	*	*	0
325412	Pharmaceutical Preparation	*	*	0
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0
326	Plastics and Rubber Products	Q	Q	0
327	Nonmetallic Mineral Products	5	3	2
327121	Brick and Structural Clay Tile	0	0	0
327211	Flat Glass	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0
327213	Glass Containers	0	0	0
327215	Glass Products from Purchased Glass	0	0	0
327310	Cements	5	3	2
327410	Lime	0	0	0
327420	Gypsum	0	0	0
327993	Mineral Wool	0	0	0
331	Primary Metals	400	396	4
331111	Iron and Steel Mills	396	396	0
331112	Electrometallurgical Ferroalloy Products	4	0	4
3312	Steel Products from Purchased Steel	0	0	0

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Table 11.5 Electricity: Sales to Utility and Nonutility Purchasers, 2010;

Level: National and Regional Data;
Row: NAICS Codes;
Column: Utility and Nonutility Purchasers;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total of Sales and Transfers Offsite	Utility Purchaser(b)	Nonutility Purchaser(c)
3313	Alumina and Aluminum	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0
331316	Aluminum Extruded Products	0	0	0
3314	Nonferrous Metals, except Aluminum	0	0	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	0	0	0
3315	Foundries	*	*	0
331511	Iron Foundries	*	*	0
331521	Aluminum Die-Casting Foundries	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0
332	Fabricated Metal Products	Q	0	Q
333	Machinery	0	0	0
334	Computer and Electronic Products	0	0	0
334413	Semiconductors and Related Devices	0	0	0
335	Electrical Equip., Appliances, and Components	*	*	0
336	Transportation Equipment	5	0	5
336111	Automobiles	0	0	0
336112	Light Trucks and Utility Vehicles	5	0	5
3364	Aerospace Product and Parts	0	0	0
336411	Aircraft	0	0	0
337	Furniture and Related Products	0	0	0
339	Miscellaneous	0	0	0
	Total	1,480	1,017	463
	South Census Region			
311	Food	207	65	142
3112	Grain and Oilseed Milling	121	0	121
311221	Wet Corn Milling	0	0	0
31131	Sugar Manufacturing	21	0	21
3114	Fruit and Vegetable Preserving and Specialty Foods	65	65	0
3115	Dairy Products	0	0	0
3116	Animal Slaughtering and Processing	0	0	0
312	Beverage and Tobacco Products	0	0	0
3121	Beverages	0	0	0
3122	Tobacco	0	0	0
313	Textile Mills	109	109	*
314	Textile Product Mills	0	0	0
315	Apparel	0	0	0
316	Leather and Allied Products	0	0	0
321	Wood Products	58	58	0
321113	Sawmills	55	55	0
3212	Veneer, Plywood, and Engineered Woods	*	*	0
321219	Reconstituted Wood Products	*	*	0
3219	Other Wood Products	2	2	0
322	Paper	2,226	2,060	166
322110	Pulp Mills	320	192	128
322121	Paper Mills, except Newsprint	532	532	0
322122	Newsprint Mills	0	0	0
322130	Paperboard Mills	1,374	1,336	38
323	Printing and Related Support	0	0	0
324	Petroleum and Coal Products	3,541	715	2,825
324110	Petroleum Refineries	3,463	638	2,825
324121	Asphalt Paving Mixture and Block	0	0	0
324199	Other Petroleum and Coal Products	78	78	0
325	Chemicals	13,754	8,277	5,477
325110	Petrochemicals	734	W	W
325120	Industrial Gases	0	0	0
325181	Alkalies and Chlorine	W	1,541	W

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Table 11.5 Electricity: Sales to Utility and Nonutility Purchasers, 2010;

Level: National and Regional Data;
Row: NAICS Codes;
Column: Utility and Nonutility Purchasers;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total of Sales and Transfers Offsite	Utility Purchaser(b)	Nonutility Purchaser(c)
325182	Carbon Black	262	262	0
325188	Other Basic Inorganic Chemicals	Q	Q	4
325192	Cyclic Crudes and Intermediates	0	0	0
325193	Ethyl Alcohol	0	0	0
325199	Other Basic Organic Chemicals	6,171	4,959	1,212
325211	Plastics Materials and Resins	928	508	420
325212	Synthetic Rubber	35	*	35
325222	Noncellulosic Organic Fibers	41	0	41
325311	Nitrogenous Fertilizers	2	2	0
325312	Phosphatic Fertilizers	297	297	0
3254	Pharmaceuticals and Medicines	0	0	0
325412	Pharmaceutical Preparation	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0
326	Plastics and Rubber Products	0	0	0
327	Nonmetallic Mineral Products	*	0	*
327121	Brick and Structural Clay Tile	0	0	0
327211	Flat Glass	0	0	0
327212	Other Pressed and Blown Glass and Glassware	*	0	*
327213	Glass Containers	0	0	0
327215	Glass Products from Purchased Glass	0	0	0
327310	Cements	0	0	0
327410	Lime	0	0	0
327420	Gypsum	0	0	0
327993	Mineral Wool	0	0	0
331	Primary Metals	2,834	2,834	1
331111	Iron and Steel Mills	0	0	0
331112	Electrometallurgical Ferroalloy Products	0	0	0
3312	Steel Products from Purchased Steel	0	0	0
3313	Alumina and Aluminum	2,834	2,834	0
331314	Secondary Smelting and Alloying of Aluminum	2,834	2,834	0
331315	Aluminum Sheet, Plate and Foils	0	0	0
331316	Aluminum Extruded Products	0	0	0
3314	Nonferrous Metals, except Aluminum	1	0	1
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	0	0	0
3315	Foundries	0	0	0
331511	Iron Foundries	0	0	0
331521	Aluminum Die-Casting Foundries	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0
332	Fabricated Metal Products	0	0	0
333	Machinery	0	0	0
334	Computer and Electronic Products	Q	Q	0
334413	Semiconductors and Related Devices	Q	Q	0
335	Electrical Equip., Appliances, and Components	0	0	0
336	Transportation Equipment	42	42	0
336111	Automobiles	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0
3364	Aerospace Product and Parts	42	42	0
336411	Aircraft	42	42	0
337	Furniture and Related Products	0	0	0
339	Miscellaneous	0	0	0
	Total	22,771	14,160	8,611
	West Census Region			
311	Food	119	96	23
3112	Grain and Oilseed Milling	*	0	*
311221	Wet Corn Milling	0	0	0
31131	Sugar Manufacturing	88	88	0
3114	Fruit and Vegetable Preserving and Specialty Foods	*	*	0

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Table 11.5 Electricity: Sales to Utility and Nonutility Purchasers, 2010;

Level: National and Regional Data;
Row: NAICS Codes;
Column: Utility and Nonutility Purchasers;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total of Sales and Transfers Offsite	Utility Purchaser(b)	Nonutility Purchaser(c)
3115	Dairy Products	22	0	22
3116	Animal Slaughtering and Processing	0	0	0
312	Beverage and Tobacco Products	1	1	0
3121	Beverages	1	1	0
3122	Tobacco	0	0	0
313	Textile Mills	0	0	0
314	Textile Product Mills	0	0	0
315	Apparel	0	0	0
316	Leather and Allied Products	0	0	0
321	Wood Products	786	777	Q
321113	Sawmills	571	562	Q
3212	Veneer, Plywood, and Engineered Woods	0	0	0
321219	Reconstituted Wood Products	0	0	0
3219	Other Wood Products	215	215	0
322	Paper	2,299	1,947	352
322110	Pulp Mills	*	*	0
322121	Paper Mills, except Newsprint	917	916	*
322122	Newsprint Mills	7	7	0
322130	Paperboard Mills	1,375	1,023	352
323	Printing and Related Support	0	0	0
324	Petroleum and Coal Products	1,431	1,280	151
324110	Petroleum Refineries	1,312	1,280	32
324121	Asphalt Paving Mixture and Block	*	*	0
324199	Other Petroleum and Coal Products	119	0	119
325	Chemicals	360	277	82
325110	Petrochemicals	0	0	0
325120	Industrial Gases	0	0	0
325181	Alkalies and Chlorine	0	0	0
325182	Carbon Black	0	0	0
325188	Other Basic Inorganic Chemicals	108	107	*
325192	Cyclic Crudes and Intermediates	0	0	0
325193	Ethyl Alcohol	0	0	0
325199	Other Basic Organic Chemicals	5	5	0
325211	Plastics Materials and Resins	*	*	0
325212	Synthetic Rubber	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0
325311	Nitrogenous Fertilizers	0	0	0
325312	Phosphatic Fertilizers	161	161	0
3254	Pharmaceuticals and Medicines	Q	Q	0
325412	Pharmaceutical Preparation	Q	Q	0
325992	Photographic Film, Paper, Plate, and Chemicals	82	0	82
326	Plastics and Rubber Products	0	0	0
327	Nonmetallic Mineral Products	0	0	0
327121	Brick and Structural Clay Tile	0	0	0
327211	Flat Glass	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0
327213	Glass Containers	0	0	0
327215	Glass Products from Purchased Glass	0	0	0
327310	Cements	0	0	0
327410	Lime	0	0	0
327420	Gypsum	0	0	0
327993	Mineral Wool	0	0	0
331	Primary Metals	179	176	3
331111	Iron and Steel Mills	3	0	3
331112	Electrometallurgical Ferroalloy Products	0	0	0
3312	Steel Products from Purchased Steel	0	0	0
3313	Alumina and Aluminum	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0
331316	Aluminum Extruded Products	0	0	0

Released: March 2013

Next MECS will be fielded in 2015

Table 11.5 Electricity: Sales to Utility and Nonutility Purchasers, 2010;

Level: National and Regional Data;
Row: NAICS Codes;
Column: Utility and Nonutility Purchasers;
Unit: Million Kilowatthours.

NAICS Code(a)	Subsector and Industry	Total of Sales and Transfers Offsite	Utility Purchaser(b)	Nonutility Purchaser(c)
3314	Nonferrous Metals, except Aluminum	176	176	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminur	176	176	0
3315	Foundries	*	*	0
331511	Iron Foundries	0	0	0
331521	Aluminum Die-Casting Foundries	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	*	0
332	Fabricated Metal Products	Q	Q	0
333	Machinery	0	0	0
334	Computer and Electronic Products	3	3	0
334413	Semiconductors and Related Devices	3	3	0
335	Electrical Equip., Appliances, and Components	0	0	0
336	Transportation Equipment	93	0	93
336111	Automobiles	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0
3364	Aerospace Product and Parts	93	0	93
336411	Aircraft	0	0	0
337	Furniture and Related Products	0	0	0
339	Miscellaneous	0	0	0
	Total	5,272	4,558	715

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

(b) A 'Utility' is a company in the local area that produces and/or delivers electricity and is legally obligated to provide service to the general public within its franchise area.

(c) 'Nonutility' includes consumers, such as other manufacturers, households, and commercial entities; generators of electricity, such as independent power producers, small power producers, and cogenerators not located at the establishment site; and suppliers, such as brokers, marketers, and marketing subsidiaries of utilities.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

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

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey.'

Released: March 2013

Next MECS will be fielded in 2015

Table 11.6 Electricity: Sales to Utility and Nonutility Purchasers, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Utility and Nonutility Purchasers;
Unit: Million Kilowatthours.

Economic Characteristic(a)	Total of Sales and Transfers Offsite	Utility Purchaser(b)	Nonutility Purchaser(c)
Total United States			
Value of Shipments and Receipts (million dollars)			
Under 20	194	100	93
20-49	282	280	3
50-99	1,115	922	194
100-249	5,225	4,288	936
250-499	5,595	2,696	2,899
500 and Over	20,770	12,507	8,263
Total	33,181	20,793	12,388
Employment Size			
Under 50	395	177	218
50-99	3,412	3,408	5
100-249	6,687	3,088	3,599
250-499	5,389	4,175	1,214
500-999	7,082	3,635	3,447
1000 and Over	10,215	6,309	3,906
Total	33,181	20,793	12,388
Northeast Census Region			
Value of Shipments and Receipts (million dollars)			
Under 20	2	2	0
20-49	153	153	0
50-99	8	Q	7
100-249	522	189	333
250-499	2,842	587	2,255
500 and Over	131	126	5
Total	3,658	1,059	2,599
Employment Size			
Under 50	6	2	4
50-99	68	67	1
100-249	3	*	3
250-499	1,004	707	297
500-999	2,551	257	2,295
1000 and Over	26	25	1
Total	3,658	1,059	2,599

Released: March 2013
Next MECS will be fielded in 2015

Table 11.6 Electricity: Sales to Utility and Nonutility Purchasers, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Utility and Nonutility Purchasers;
Unit: Million Kilowatthours.

Economic Characteristic(a)	Total of Sales and Transfers Offsite	Utility Purchaser(b)	Nonutility Purchaser(c)
Midwest Census Region			
Value of Shipments and Receipts (million dollars)			
Under 20	Q	Q	0
20-49	3	1	2
50-99	100	Q	54
100-249	Q	28	Q
250-499	421	386	35
500 and Over	707	555	151
Total	1,480	1,017	463
Employment Size			
Under 50	Q	Q	*
50-99	Q	Q	0
100-249	451	391	60
250-499	370	21	349
500-999	145	139	6
1000 and Over	466	418	48
Total	1,480	1,017	463
South Census Region			
Value of Shipments and Receipts (million dollars)			
Under 20	0	0	0
20-49	1	1	*
50-99	330	326	4
100-249	3,712	3,415	298
250-499	1,335	1,078	257
500 and Over	17,392	9,340	8,052
Total	22,771	14,160	8,611
Employment Size			
Under 50	90	89	1
50-99	3,034	3,030	4
100-249	5,283	1,782	3501
250-499	1,589	1,135	454
500-999	3,082	2,287	795
1000 and Over	9,693	5,836	3,857
Total	22,771	14,160	8,611

Released: March 2013
Next MECS will be fielded in 2015

Table 11.6 Electricity: Sales to Utility and Nonutility Purchasers, 2010;

Level: National and Regional Data;
Row: Values of Shipments and Employment Sizes;
Column: Utility and Nonutility Purchasers;
Unit: Million Kilowatthours.

Economic Characteristic(a)	Total of Sales and Transfers Offsite	Utility Purchaser(b)	Nonutility Purchaser(c)
	West Census Region		
Value of Shipments and Receipts (million dollars)			
Under 20	191	98	93
20-49	125	125	*
50-99	678	549	129
100-249	741	655	86
250-499	998	646	352
500 and Over	2,540	2,485	54
Total	5,272	4,558	715
Employment Size			
Under 50	298	85	213
50-99	264	264	0
100-249	950	914	35
250-499	2,426	2,312	114
500-999	1,304	952	352
1000 and Over	30	30	0
Total	5,272	4,558	715

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

(b) A 'Utility' is a company in the local area that produces and/or delivers electricity and is legally obligated to provide service to the general public within its franchise area.

(c) 'Nonutility' includes consumers, such as other manufacturers, households, and commercial entities; generators of electricity, such as independent power producers, small power producers, and cogenerators not located at the establishment site; and suppliers, such as brokers, marketers, and marketing subsidiaries of utilities.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

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NA=Not available.

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

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