

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2006;
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	1,186	251	26	16	637	3	147	1	105	*
3112	Grain and Oilseed Milling	318	53	2	1	120	*	114	0	29	*
311221	Wet Corn Milling	179	23	*	*	52	*	95	0	9	0
31131	Sugar Manufacturing	82	3	9	1	18	*	31	1	20	0
3114	Fruit and Vegetable Preserving and Specialty Food	169	33	2	1	126	1	1	0	4	0
3115	Dairy Product	121	34	1	1	83	*	*	0	1	0
3116	Animal Slaughtering and Processing	226	60	3	5	145	1	0	0	12	0
312	Beverage and Tobacco Products	107	30	3	1	41	1	20	0	11	0
3121	Beverages	95	26	2	1	38	1	16	0	11	0
3122	Tobacco	12	4	1	*	3	*	4	0	*	0
313	Textile Mills	178	66	2	*	65	*	32	0	12	0
314	Textile Product Mills	72	20	Q	*	Q	Q	3	0	*	0
315	Apparel	14	7	*	*	7	*	0	0	*	0
316	Leather and Allied Products	3	1	*	*	1	*	0	0	*	0
321	Wood Products	450	91	4	21	87	4	Q	Q	228	0
321113	Sawmills	139	23	*	9	12	1	0	0	94	0
3212	Veneer, Plywood, and Engineered Woods	169	34	*	1	45	2	2	0	84	0
3219	Other Wood Products	131	33	*	Q	28	1	Q	Q	Q	0
322	Paper	2,356	251	91	13	473	5	221	0	1,302	0
322110	Pulp Mills	200	6	11	4	13	*	6	0	160	0
322121	Paper Mills, except Newsprint	939	78	47	2	174	1	122	0	515	0
322122	Newsprint Mills	72	32	2	*	8	*	14	0	15	0
322130	Paperboard Mills	829	78	29	6	141	*	73	0	502	0
323	Printing and Related Support	85	45	*	*	39	1	0	0	*	0
324	Petroleum and Coal Products	6,913	137	58	33	849	29	102	1	5,793	89
324110	Petroleum Refineries	6,682	127	52	8	792	28	1	0	5,673	0
324199	Other Petroleum and Coal Products	138	*	0	*	3	*	101	1	117	85
325	Chemicals	5,047	517	87	9	1,743	2,148	182	3	695	336
325110	Petrochemicals	906	16	5	*	110	W	0	0	W	168
325120	Industrial Gases	137	72	0	*	62	*	0	0	3	*
325181	Alkalies and Chlorine	153	21	0	*	107	*	16	0	9	0
325182	Carbon Black	83	2	64	*	17	*	0	0	*	0
325188	Other Basic Inorganic Chemicals	214	82	9	1	64	8	23	3	23	*
325192	Cyclic Crudes and Intermediates	37	9	0	*	16	*	*	0	13	*
325193	Ethyl Alcohol	113	9	0	*	83	*	19	0	1	0
325199	Other Basic Organic Chemicals	1,017	73	2	2	381	W	67	0	W	48
325211	Plastics Materials and Resins	1,547	65	*	1	344	1,185	11	*	43	104
325212	Synthetic Rubber	44	6	*	*	26	*	6	0	6	0
325222	Noncellulosic Organic Fibers	88	17	3	*	41	*	9	0	20	1
325311	Nitrogenous Fertilizers	302	8	0	*	293	*	0	0	1	0
325312	Phosphatic Fertilizers	27	5	*	1	19	*	2	0	*	0
3254	Pharmaceuticals and Medicines	93	32	1	1	47	*	6	0	6	0
325412	Pharmaceutical Preparation	65	22	1	1	31	*	5	0	4	0
325992	Photographic Film, Paper, Plate, and Chemicals	29	4	*	*	7	*	16	0	Q	0
326	Plastics and Rubber Products	335	182	9	3	127	5	Q	0	*	0
327	Nonmetallic Mineral Products	1,155	147	3	30	501	5	320	11	138	0
327211	Flat Glass	69	6	1	*	52	*	*	0	9	0
327212	Other Pressed and Blown Glass and Glassware	94	17	0	*	Q	*	0	0	13	0
327213	Glass Containers	64	13	0	*	50	*	0	0	*	0
327215	Glass Products from Purchased Glass	106	13	0	*	93	*	*	0	*	0
327310	Cements	382	41	1	3	20	*	235	5	77	0
327410	Lime	116	5	*	1	5	*	78	4	22	0
327420	Gypsum	86	6	*	1	76	*	0	0	2	0
327993	Mineral Wool	51	14	0	*	35	*	0	3	*	0
331	Primary Metals	1,696	458	19	7	603	4	373	253	123	145
331111	Iron and Steel Mills	1,019	175	19	3	337	*	360	230	39	145
331112	Electrometallurgical Ferroalloy Products	22	11	0	*	1	*	5	2	3	0
3312	Steel Products from Purchased Steel	56	15	0	*	26	*	*	*	14	0
3313	Alumina and Aluminum	291	152	*	1	125	1	*	0	12	0
331314	Secondary Smelting and Alloying of Aluminum	21	2	*	*	18	*	*	0	0	0
331315	Aluminum Sheet, Plate and Foils	52	13	0	*	37	*	0	0	2	0
331316	Aluminum Extruded Products	25	7	*	*	17	1	0	0	*	0
3314	Nonferrous Metals, except Aluminum	145	49	*	1	41	1	7	6	Q	0
3315	Foundries	163	57	*	2	72	1	1	15	15	*
331511	Iron Foundries	84	29	*	1	24	*	0	15	15	*
331521	Aluminum Die-Casting Foundries	22	7	0	*	15	*	0	0	*	0

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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)
331524	Aluminum Foundries, except Die-Casting	18	4	*	*	14	*	0	0	*	0
332	Fabricated Metal Products	396	143	*	2	240	5	0	Q	Q	0
333	Machinery	204	111	Q	2	84	3	1	0	2	0
334	Computer and Electronic Products	141	94	*	1	45	*	0	0	2	0
334413	Semiconductors and Related Devices	64	43	*	*	19	*	0	0	2	0
335	Electrical Equip., Appliances, and Components	103	44	0	Q	42	1	*	0	21	5
336	Transportation Equipment	477	195	7	3	249	5	5	Q	13	0
336111	Automobiles	39	13	*	*	21	*	2	0	2	0
336112	Light Trucks and Utility Vehicles	43	15	*	*	25	*	1	0	2	0
3364	Aerospace Product and Parts	77	39	3	1	30	1	*	0	4	0
336411	Aircraft	20	12	*	*	8	*	0	0	*	0
337	Furniture and Related Products	60	32	*	Q	17	1	3	0	8	0
339	Miscellaneous	66	33	Q	*	25	1	0	0	Q	0
	Total	21,046	2,854	314	144	5,922	2,220	1,433	272	8,462	575
Northeast Census Region											
311	Food	59	19	3	3	33	*	0	0	Q	0
3112	Grain and Oilseed Milling	4	2	*	*	2	*	0	0	*	0
311221	Wet Corn Milling	*	*	*	*	0	0	0	0	*	0
31131	Sugar Manufacturing	3	*	0	*	3	*	0	0	*	0
3114	Fruit and Vegetable Preserving and Specialty Food	7	2	1	*	3	*	0	0	Q	0
3115	Dairy Product	13	4	*	1	8	*	0	0	*	0
3116	Animal Slaughtering and Processing	4	2	0	*	2	*	0	0	*	0
312	Beverage and Tobacco Products	12	4	1	*	6	*	0	0	*	0
3121	Beverages	11	4	1	*	6	*	0	0	*	0
3122	Tobacco	1	*	*	*	*	*	0	0	0	0
313	Textile Mills	14	5	2	*	7	*	0	0	0	0
314	Textile Product Mills	4	2	0	*	1	Q	0	0	0	0
315	Apparel	1	*	0	*	*	*	0	0	0	0
316	Leather and Allied Products	1	1	*	*	*	*	0	0	0	0
321	Wood Products	25	6	*	1	6	*	0	0	11	0
321113	Sawmills	9	2	*	1	Q	*	0	0	5	0
3212	Veneer, Plywood, and Engineered Woods	8	2	0	*	3	*	0	0	2	0
3219	Other Wood Products	8	2	0	*	2	*	0	0	4	0
322	Paper	216	25	27	1	64	2	15	0	82	0
322110	Pulp Mills	11	*	2	*	*	*	0	0	9	0
322121	Paper Mills, except Newsprint	147	7	20	1	40	*	14	0	65	0
322122	Newsprint Mills	4	2	2	*	0	*	0	0	0	0
322130	Paperboard Mills	24	7	2	*	10	*	0	0	4	0
323	Printing and Related Support	13	7	*	*	6	*	0	0	*	0
324	Petroleum and Coal Products	528	13	11	8	46	6	7	*	436	0
324110	Petroleum Refineries	499	10	7	1	38	6	1	0	435	0
324199	Other Petroleum and Coal Products	8	1	0	*	*	*	7	*	*	0
325	Chemicals	150	38	10	2	66	9	16	0	10	Q
325110	Petrochemicals	*	*	0	*	*	*	0	0	*	0
325120	Industrial Gases	11	7	0	0	2	*	0	0	2	0
325181	Alkalies and Chlorine	7	6	0	*	1	*	0	0	*	0
325182	Carbon Black	0	0	0	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	11	3	5	*	3	*	0	0	*	0
325192	Cyclic Crudes and Intermediates	6	1	0	*	5	*	0	0	1	0
325193	Ethyl Alcohol	*	*	0	0	*	*	0	0	0	0
325199	Other Basic Organic Chemicals	10	2	*	*	5	*	0	0	2	0
325211	Plastics Materials and Resins	22	4	*	*	7	8	0	0	2	Q
325212	Synthetic Rubber	1	*	0	*	*	*	0	0	*	0
325222	Noncellulosic Organic Fibers	*	*	*	*	*	*	0	0	0	0
325311	Nitrogenous Fertilizers	1	*	0	0	1	0	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	39	10	1	1	25	*	0	0	2	0
325412	Pharmaceutical Preparation	30	7	1	1	20	*	0	0	2	0
325992	Photographic Film, Paper, Plate, and Chemicals	21	1	*	*	3	*	16	0	*	0
326	Plastics and Rubber Products	49	23	Q	Q	21	Q	0	0	0	0
327	Nonmetallic Mineral Products	187	18	1	5	99	*	39	1	23	0
327211	Flat Glass	19	1	0	*	10	*	0	0	8	0
327212	Other Pressed and Blown Glass and Glassware	15	1	0	*	4	*	0	0	9	0
327213	Glass Containers	13	3	0	*	10	*	0	0	*	0
327215	Glass Products from Purchased Glass	44	1	0	*	43	*	*	0	*	0
327310	Cements	44	5	1	*	*	*	32	1	5	0

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327410	Lime	4	*	*	*	0	*	3	0	*	0
327420	Gypsum	10	1	*	*	9	*	0	0	*	0
327993	Mineral Wool	7	1	0	*	6	*	0	*	*	0
331	Primary Metals	242	58	*	1	82	1	142	5	Q	90
331111	Iron and Steel Mills	131	26	0	*	50	*	139	*	6	90
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	11	2	0	*	7	*	*	0	1	0
3313	Alumina and Aluminum	34	18	*	*	13	*	0	0	2	0
331314	Secondary Smelting and Alloying of Aluminum	1	*	*	*	*	*	0	0	*	0
331315	Aluminum Sheet, Plate and Foils	8	2	0	*	5	*	0	0	*	0
331316	Aluminum Extruded Products	5	1	*	*	4	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	Q	7	*	*	7	*	3	3	Q	0
3315	Foundries	11	4	*	*	6	*	0	1	*	0
331511	Iron Foundries	5	2	*	*	2	*	0	1	*	0
331521	Aluminum Die-Casting Foundries	2	*	0	*	2	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	1	*	*	*	1	*	0	0	0	0
332	Fabricated Metal Products	54	18	*	*	29	*	0	Q	Q	0
333	Machinery	Q	17	Q	*	Q	*	0	0	*	0
334	Computer and Electronic Products	27	17	*	*	9	*	0	0	*	0
334413	Semiconductors and Related Devices	12	7	*	*	4	*	0	0	*	0
335	Electrical Equip., Appliances, and Components	9	5	0	*	3	*	0	0	*	0
336	Transportation Equipment	61	23	3	*	Q	*	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	11	4	3	*	5	*	0	0	*	0
336411	Aircraft	1	1	0	*	*	*	0	0	*	0
337	Furniture and Related Products	5	2	*	*	2	*	0	0	Q	0
339	Miscellaneous	22	9	Q	*	6	*	0	0	Q	0
	Total	1,714	310	64	25	535	21	220	7	622	91
Midwest Census Region											
311	Food	568	105	11	2	299	1	119	1	30	*
3112	Grain and Oilseed Milling	258	39	1	1	93	*	103	0	21	*
311221	Wet Corn Milling	160	20	0	*	49	*	88	0	3	0
31131	Sugar Manufacturing	23	2	1	*	5	*	14	1	*	0
3114	Fruit and Vegetable Preserving and Specialty Food	Q	10	1	*	Q	*	1	0	*	0
3115	Dairy Product	45	13	Q	*	30	*	*	0	1	0
3116	Animal Slaughtering and Processing	112	23	2	1	79	*	0	0	Q	0
312	Beverage and Tobacco Products	20	5	1	*	8	*	5	0	*	0
3121	Beverages	19	5	1	*	8	*	5	0	*	0
3122	Tobacco	*	*	0	*	*	*	0	0	0	0
313	Textile Mills	Q	*	0	0	*	*	0	0	0	0
314	Textile Product Mills	Q	Q	0	0	*	*	0	0	0	0
315	Apparel	*	*	0	0	*	0	0	0	0	0
316	Leather and Allied Products	1	*	0	0	1	*	0	0	*	0
321	Wood Products	129	26	*	Q	39	1	Q	Q	Q	0
321113	Sawmills	7	1	0	1	1	*	0	0	4	0
3212	Veneer, Plywood, and Engineered Woods	26	4	*	*	16	*	1	0	4	0
3219	Other Wood Products	95	20	*	Q	Q	*	Q	Q	Q	0
322	Paper	284	51	6	1	75	1	63	0	87	0
322110	Pulp Mills	W	W	0	*	*	*	0	0	*	0
322121	Paper Mills, except Newsprint	188	25	5	*	36	*	47	0	74	0
322122	Newsprint Mills	4	2	0	*	*	*	0	0	2	0
322130	Paperboard Mills	42	8	1	*	12	*	12	0	9	0
323	Printing and Related Support	30	18	0	*	12	*	0	0	*	0
324	Petroleum and Coal Products	1,034	31	2	Q	108	3	51	0	845	13
324110	Petroleum Refineries	955	27	1	1	87	3	*	0	836	0
324199	Other Petroleum and Coal Products	51	*	0	*	1	*	51	0	9	9
325	Chemicals	583	141	8	1	235	115	50	*	49	Q
325110	Petrochemicals	W	1	0	*	2	W	0	0	*	*
325120	Industrial Gases	30	25	0	0	5	*	0	0	*	0
325181	Alkalies and Chlorine	1	1	0	*	*	*	0	0	*	0
325182	Carbon Black	10	*	8	*	1	*	0	0	*	0
325188	Other Basic Inorganic Chemicals	27	4	*	*	12	8	1	0	2	*
325192	Cyclic Crudes and Intermediates	9	1	0	*	1	*	0	0	7	*
325193	Ethyl Alcohol	108	9	0	*	80	*	19	0	*	0
325199	Other Basic Organic Chemicals	63	14	0	*	30	*	11	0	7	*

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325211	Plastics Materials and Resins	W	12	0	*	20	W	6	*	3	*
325212	Synthetic Rubber	5	1	0	*	1	*	3	0	*	0
325222	Noncellulosic Organic Fibers	*	*	0	0	*	0	0	0	0	0
325311	Nitrogenous Fertilizers	42	2	0	*	39	*	0	0	1	0
325312	Phosphatic Fertilizers	*	*	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	28	9	0	*	10	*	6	0	3	0
325412	Pharmaceutical Preparation	20	7	0	*	5	*	5	0	3	0
325992	Photographic Film, Paper, Plate, and Chemicals	1	1	0	*	*	*	0	0	0	0
326	Plastics and Rubber Products	129	79	0	*	49	1	0	0	*	0
327	Nonmetallic Mineral Products	318	44	0	Q	131	1	83	2	47	0
327211	Flat Glass	17	2	0	*	15	*	0	0	*	0
327212	Other Pressed and Blown Glass and Glassware	Q	Q	0	*	Q	*	0	0	Q	0
327213	Glass Containers	15	3	0	*	12	*	0	0	*	0
327215	Glass Products from Purchased Glass	9	6	0	*	3	*	0	0	*	0
327310	Cements	105	11	0	1	10	*	49	0	34	0
327410	Lime	46	2	0	*	2	*	34	1	8	0
327420	Gypsum	15	1	0	*	13	*	0	0	*	0
327993	Mineral Wool	21	6	0	*	14	*	0	1	*	0
331	Primary Metals	879	160	15	3	290	1	162	213	66	31
331111	Iron and Steel Mills	636	70	15	2	193	*	159	200	28	31
331112	Electrometallurgical Ferroalloy Products	15	7	0	*	1	*	3	2	3	0
3312	Steel Products from Purchased Steel	33	7	0	*	14	*	*	0	12	0
3313	Alumina and Aluminum	56	25	*	*	27	*	0	0	5	0
331314	Secondary Smelting and Alloying of Aluminum	11	1	0	*	10	*	0	0	*	0
331315	Aluminum Sheet, Plate and Foils	15	4	0	*	10	*	0	0	1	0
331316	Aluminum Extruded Products	8	3	*	*	5	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	37	17	0	*	13	1	0	2	4	0
3315	Foundries	101	34	0	*	44	*	0	8	15	0
331511	Iron Foundries	55	18	0	*	14	*	0	8	15	0
331521	Aluminum Die-Casting Foundries	11	5	0	*	10	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	11	2	0	*	9	*	0	0	*	0
332	Fabricated Metal Products	184	60	0	*	121	2	0	0	*	0
333	Machinery	116	64	0	1	48	1	1	0	1	0
334	Computer and Electronic Products	24	14	0	*	10	*	0	0	*	0
334413	Semiconductors and Related Devices	3	2	0	0	1	*	0	0	*	0
335	Electrical Equip., Appliances, and Components	27	15	0	*	12	*	0	0	*	0
336	Transportation Equipment	278	101	Q	1	161	3	5	Q	6	0
336111	Automobiles	25	8	*	*	15	*	2	0	1	0
336112	Light Trucks and Utility Vehicles	27	8	0	*	16	*	1	0	1	0
3364	Aerospace Product and Parts	14	7	*	*	6	*	0	0	1	0
336411	Aircraft	5	3	0	*	2	*	0	0	*	0
337	Furniture and Related Products	23	10	0	*	10	*	1	0	Q	0
339	Miscellaneous	17	9	*	*	8	*	0	0	*	0
	Total	4,646	934	45	36	1,619	130	554	217	1,172	60
South Census Region											
311	Food	349	82	11	4	170	1	12	0	Q	0
3112	Grain and Oilseed Milling	48	10	*	*	20	*	10	0	7	0
311221	Wet Corn Milling	17	3	0	*	3	*	6	0	4	0
31131	Sugar Manufacturing	35	*	7	1	8	*	2	0	17	0
3114	Fruit and Vegetable Preserving and Specialty Food	29	8	*	Q	19	*	0	0	2	0
3115	Dairy Product	11	5	0	*	6	*	0	0	0	0
3116	Animal Slaughtering and Processing	88	29	1	2	50	1	0	0	Q	0
312	Beverage and Tobacco Products	47	14	1	*	17	*	7	0	7	0
3121	Beverages	36	10	1	*	15	*	3	0	7	0
3122	Tobacco	12	4	*	*	3	*	4	0	*	0
313	Textile Mills	160	60	*	*	55	*	32	0	12	0
314	Textile Product Mills	65	18	Q	*	Q	Q	Q	0	*	0
315	Apparel	12	6	*	*	7	*	0	0	*	0
316	Leather and Allied Products	*	*	0	0	*	*	0	0	0	0
321	Wood Products	202	41	Q	8	24	2	1	0	126	0
321113	Sawmills	60	12	*	3	2	*	0	0	42	0
3212	Veneer, Plywood, and Engineered Woods	117	21	*	1	18	1	1	0	75	0
3219	Other Wood Products	19	7	*	1	3	*	0	0	7	0
322	Paper	1,570	121	53	8	250	2	128	0	1,008	0
322110	Pulp Mills	W	4	9	4	W	*	6	0	142	0
322121	Paper Mills, except Newsprint	522	36	19	1	71	*	61	0	332	0

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2006;
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)
322122	Newspprint Mills	16	12	0	*	*	*	1	0	4	0
322130	Paperboard Mills	633	41	24	3	80	*	60	0	424	0
323	Printing and Related Support	37	17	0	*	19	*	0	0	*	0
324	Petroleum and Coal Products	4,211	72	37	9	505	7	25	1	3,619	63
324110	Petroleum Refineries	4,143	69	37	2	496	7	0	0	3,532	0
324199	Other Petroleum and Coal Products	51	1	0	*	1	*	25	1	86	63
325	Chemicals	4,201	306	69	5	1,394	2,024	93	*	629	320
325110	Petrochemicals	W	15	5	*	107	W	0	0	W	168
325120	Industrial Gases	87	32	0	*	54	*	0	0	1	0
325181	Alkalies and Chlorine	121	10	0	*	94	*	10	0	7	0
325182	Carbon Black	73	2	56	*	15	*	0	0	*	0
325188	Other Basic Inorganic Chemicals	133	65	3	1	39	*	6	*	20	0
325192	Cyclic Crudes and Intermediates	22	7	0	*	10	*	*	0	4	0
325193	Ethyl Alcohol	2	*	0	*	2	*	0	0	*	0
325199	Other Basic Organic Chemicals	941	57	1	2	343	W	56	0	W	48
325211	Plastics Materials and Resins	W	49	*	*	316	W	5	0	37	103
325212	Synthetic Rubber	39	5	*	*	25	*	3	0	5	0
325222	Noncellulosic Organic Fibers	87	16	3	*	41	*	9	0	20	1
325311	Nitrogenous Fertilizers	250	6	0	*	245	*	0	0	*	0
325312	Phosphatic Fertilizers	W	4	*	1	W	*	2	0	*	0
3254	Pharmaceuticals and Medicines	18	8	*	*	8	*	0	0	1	0
325412	Pharmaceutical Preparation	10	5	*	*	4	*	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	W	1	0	*	W	*	0	0	Q	0
326	Plastics and Rubber Products	140	67	8	Q	52	1	Q	0	*	0
327	Nonmetallic Mineral Products	468	62	*	9	212	Q	132	6	44	0
327211	Flat Glass	25	3	0	*	21	*	*	0	1	0
327212	Other Pressed and Blown Glass and Glassware	23	6	0	*	17	*	0	0	*	0
327213	Glass Containers	22	5	0	*	18	*	0	0	*	0
327215	Glass Products from Purchased Glass	52	4	0	*	Q	*	*	0	*	0
327310	Cements	144	15	*	2	6	*	99	2	20	0
327410	Lime	48	2	0	*	3	*	30	3	10	0
327420	Gypsum	35	3	0	*	32	*	0	0	*	0
327993	Mineral Wool	17	5	0	*	11	*	0	1	*	0
331	Primary Metals	483	200	4	3	185	1	69	34	10	23
331111	Iron and Steel Mills	219	68	4	1	77	*	61	29	2	23
331112	Electrometallurgical Ferroalloy Products	7	4	0	*	*	0	3	0	*	0
3312	Steel Products from Purchased Steel	11	5	0	*	5	*	*	*	*	0
3313	Alumina and Aluminum	179	95	0	*	77	1	*	0	5	0
331314	Secondary Smelting and Alloying of Aluminum	7	1	0	*	6	*	*	0	*	0
331315	Aluminum Sheet, Plate and Foils	26	6	0	*	20	0	0	0	*	0
331316	Aluminum Extruded Products	9	2	0	*	6	1	0	0	*	0
3314	Nonferrous Metals, except Aluminum	26	12	0	*	8	*	5	*	1	0
3315	Foundries	42	16	0	1	17	*	1	5	*	*
331511	Iron Foundries	22	9	0	1	7	*	0	5	*	*
331521	Aluminum Die-Casting Foundries	4	1	0	*	3	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	4	1	0	*	3	*	0	0	*	0
332	Fabricated Metal Products	124	48	*	1	73	2	0	0	*	0
333	Machinery	47	25	0	*	21	Q	0	0	*	0
334	Computer and Electronic Products	36	26	0	*	9	*	0	0	*	0
334413	Semiconductors and Related Devices	16	11	0	*	4	*	0	0	*	0
335	Electrical Equip., Appliances, and Components	62	22	0	*	24	*	*	0	20	5
336	Transportation Equipment	102	53	3	1	39	1	1	0	4	0
336111	Automobiles	12	5	*	*	5	*	*	0	1	0
336112	Light Trucks and Utility Vehicles	16	7	*	*	9	*	0	0	1	0
3364	Aerospace Product and Parts	26	14	*	*	9	*	*	0	2	0
336411	Aircraft	9	5	*	*	3	*	0	0	*	0
337	Furniture and Related Products	30	17	0	Q	4	*	Q	0	6	0
339	Miscellaneous	19	9	0	*	9	*	0	0	*	0
	Total	12,363	1,267	187	52	3,112	2,049	513	41	5,554	412
West Census Region											
311	Food	210	45	1	7	135	1	15	*	6	0
3112	Grain and Oilseed Milling	8	2	0	*	5	*	0	0	1	0
311221	Wet Corn Milling	2	*	0	*	1	*	0	0	1	0
31131	Sugar Manufacturing	22	1	0	*	2	*	15	*	3	0
3114	Fruit and Vegetable Preserving and Specialty Food	63	13	1	*	47	*	0	0	1	0
3115	Dairy Product	52	13	0	*	39	*	0	0	*	0

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2006;
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)
3116	Animal Slaughtering and Processing	22	5	0	Q	15	*	0	0	*	0
312	Beverage and Tobacco Products	28	7	0	*	9	1	7	0	4	0
3121	Beverages	28	7	0	*	9	1	7	0	4	0
3122	Tobacco	0	0	0	0	0	0	0	0	0	0
313	Textile Mills	Q	*	0	0	Q	*	0	0	0	0
314	Textile Product Mills	2	*	0	0	1	*	*	0	0	0
315	Apparel	1	1	0	0	*	0	0	0	0	0
316	Leather and Allied Products	*	*	0	*	*	*	0	0	*	0
321	Wood Products	95	18	3	5	18	1	0	0	50	0
321113	Sawmills	64	8	*	4	Q	*	0	0	43	0
3212	Veneer, Plywood, and Engineered Woods	17	7	0	*	7	1	0	0	3	0
3219	Other Wood Products	10	3	*	*	2	*	0	0	Q	0
322	Paper	287	54	5	3	84	1	14	0	125	0
322110	Pulp Mills	W	W	*	*	W	*	0	0	9	0
322121	Paper Mills, except Newsprint	83	9	3	*	26	*	0	0	44	0
322122	Newsprint Mills	47	17	*	*	8	*	13	0	9	0
322130	Paperboard Mills	129	21	1	2	39	*	1	0	64	0
323	Printing and Related Support	5	3	0	0	2	*	0	0	0	0
324	Petroleum and Coal Products	1,139	22	8	8	190	12	19	0	893	13
324110	Petroleum Refineries	1,086	21	7	5	171	12	0	0	870	0
324199	Other Petroleum and Coal Products	27	-1	0	*	*	*	19	0	21	13
325	Chemicals	113	32	*	*	48	*	24	3	7	*
325110	Petrochemicals	*	*	0	0	*	*	0	0	0	0
325120	Industrial Gases	9	7	0	0	2	0	0	0	0	*
325181	Alkalies and Chlorine	25	5	0	*	12	*	7	0	1	0
325182	Carbon Black	*	*	0	0	*	*	0	0	0	0
325188	Other Basic Inorganic Chemicals	42	10	*	*	11	*	16	3	2	*
325192	Cyclic Crudes and Intermediates	*	*	0	0	*	*	0	0	0	0
325193	Ethyl Alcohol	3	*	0	*	1	*	0	0	1	0
325199	Other Basic Organic Chemicals	4	1	0	*	2	*	0	0	1	0
325211	Plastics Materials and Resins	2	1	0	*	1	*	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	0	0
325311	Nitrogenous Fertilizers	8	1	0	*	8	*	0	0	*	0
325312	Phosphatic Fertilizers	W	1	0	*	W	*	0	0	*	0
3254	Pharmaceuticals and Medicines	8	3	0	*	4	*	0	0	*	0
325412	Pharmaceutical Preparation	5	2	0	*	3	*	0	0	*	0
325992	Photographic Film, Paper, Plate, and Chemicals	W	1	0	*	W	*	0	0	0	0
326	Plastics and Rubber Products	18	13	0	*	4	Q	0	0	0	0
327	Nonmetallic Mineral Products	183	22	2	Q	58	*	66	2	25	0
327211	Flat Glass	8	1	1	*	6	*	0	0	*	0
327212	Other Pressed and Blown Glass and Glassware	1	*	0	*	1	*	0	0	*	0
327213	Glass Containers	14	3	0	*	11	*	0	0	*	0
327215	Glass Products from Purchased Glass	1	1	0	*	*	*	0	0	*	0
327310	Cements	89	10	0	1	4	*	54	2	18	0
327410	Lime	18	1	*	*	*	*	12	0	4	0
327420	Gypsum	26	1	0	*	22	*	0	0	2	0
327993	Mineral Wool	5	2	0	*	3	*	0	0	*	0
331	Primary Metals	93	41	0	1	46	*	*	2	3	*
331111	Iron and Steel Mills	33	11	0	*	18	*	*	1	2	0
331112	Electrometallurgical Ferroalloy Products	*	*	0	*	*	*	0	0	0	0
3312	Steel Products from Purchased Steel	1	1	0	*	1	*	0	0	*	0
3313	Alumina and Aluminum	22	14	0	*	8	*	0	0	*	0
331314	Secondary Smelting and Alloying of Aluminum	2	*	0	*	2	*	0	0	*	0
331315	Aluminum Sheet, Plate and Foils	3	1	0	*	2	*	0	0	*	0
331316	Aluminum Extruded Products	4	1	0	*	3	*	0	0	0	0
3314	Nonferrous Metals, except Aluminum	26	12	0	*	14	*	0	0	1	0
3315	Foundries	9	3	0	*	5	*	0	1	*	*
331511	Iron Foundries	2	*	0	*	1	*	0	1	*	*
331521	Aluminum Die-Casting Foundries	1	*	0	0	*	*	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	1	*	0	*	1	*	0	0	*	0
332	Fabricated Metal Products	35	18	0	Q	16	*	0	0	*	0
333	Machinery	7	5	0	*	2	*	0	0	*	0
334	Computer and Electronic Products	54	36	0	*	17	*	0	0	1	0
334413	Semiconductors and Related Devices	33	22	0	*	9	*	0	0	1	0
335	Electrical Equip., Appliances, and Components	5	2	0	Q	Q	*	0	0	*	0
336	Transportation Equipment	36	17	0	Q	17	1	0	0	*	0
336111	Automobiles	2	1	0	*	1	*	0	0	*	0
336112	Light Trucks and Utility Vehicles	*	*	0	0	*	0	0	0	0	0

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2006;
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)
3364	Aerospace Product and Parts	25	14	0	*	11	*	0	0	*	0
336411	Aircraft	6	3	0	*	2	*	0	0	*	0
337	Furniture and Related Products	2	2	0	0	Q	*	0	0	*	0
339	Miscellaneous	7	6	0	*	2	*	0	0	*	0
	Total	2,323	344	18	32	655	19	146	7	1,114	13

(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: 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 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: Energy Information Administration, Office of Energy Markets and End Use, Energy Consumption Division, Form EIA-846, '2006 Manufacturing Energy Consumption Survey,' and Office of Oil and Gas, Petroleum

Released: July 2009

Next MECS will be conducted in 2010

Table 1.2 First Use of Energy for All Purposes (Fuel and Nonfuel), 2006;
Level: National and Regional Data;
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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)
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Supply Division, Form EIA-810, 'Monthly Refinery Report' for 2006.