

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 Aluminum	62	25	0	*	12	*	2	1	21	0
3315	Foundries	100	38	*	1	47	1	1	13	*	*

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	*	Q	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

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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)
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

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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)
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 Aluminum	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

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 Aluminum	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

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 Aluminum	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

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

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)
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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.