

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	*	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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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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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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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	*	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
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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)
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	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

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

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)
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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.