

Originally Released: August 2009  
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**Table 3.5 Selected Byproducts in Fuel Consumption, 2006;**  
**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	Waste Oils/Tars and Waste Materials
<b>Total United States</b>								
311	Food	10	0	3	0	0	7	Q
3112	Grain and Oilseed Milling	7	0	1	0	0	6	*
311221	Wet Corn Milling	5	0	*	0	0	4	0
31131	Sugar Manufacturing	1	0	0	0	0	1	0
3114	Fruit and Vegetable Preserving and Specialty Food	Q	0	*	0	0	0	Q
3115	Dairy Product	*	0	*	0	0	0	0
3116	Animal Slaughtering and Processing	1	0	1	0	0	*	*
312	Beverage and Tobacco Products	2	0	2	0	0	1	*
3121	Beverages	2	0	2	0	0	1	*
3122	Tobacco	0	0	0	0	0	0	0
313	Textile Mills	Q	0	0	0	0	Q	0
314	Textile Product Mills	0	0	0	0	0	0	0
315	Apparel	0	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0	0
321	Wood Products	217	0	*	*	0	208	9
321113	Sawmills	84	0	0	0	0	84	1
3212	Veneer, Plywood, and Engineered Woods	84	0	0	0	0	76	8
3219	Other Wood Products	Q	0	*	*	0	Q	*
322	Paper	1,230	*	*	18	850	351	10
322110	Pulp Mills	158	0	0	*	120	37	1
322121	Paper Mills, except Newsprint	477	0	*	16	325	132	4
322122	Newsprint Mills	7	0	0	0	0	4	2
322130	Paperboard Mills	478	0	*	2	329	145	3
323	Printing and Related Support	0	0	0	0	0	0	0
324	Petroleum and Coal Products	2,047 <sup>R</sup>	10	1,482 <sup>R</sup>	547	0	0	7
324110	Petroleum Refineries	2,021 <sup>R</sup>	0	1,481 <sup>R</sup>	535	0	0	5
324199	Other Petroleum and Coal Products	22	10	*	12	0	0	0
325	Chemicals	474 <sup>R</sup>	0	459 <sup>R</sup>	0	0	0	15
325110	Petrochemicals	W	0	221 <sup>R</sup>	0	0	0	W
325120	Industrial Gases	*	0	*	0	0	0	0
325181	Alkalies and Chlorine	0	0	0	0	0	0	0
325182	Carbon Black	2	0	2	0	0	0	0
325188	Other Basic Inorganic Chemicals	2	0	2	0	0	0	*
325192	Cyclic Crudes and Intermediates	*	0	*	0	0	0	*
325193	Ethyl Alcohol	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	144	0	139	0	0	0	5
325211	Plastics Materials and Resins	W	0	88	0	0	0	W
325212	Synthetic Rubber	*	0	*	0	0	0	*
325222	Noncellulosic Organic Fibers	5	0	5	0	0	0	*
325311	Nitrogenous Fertilizers	2	0	2	0	0	0	0
325312	Phosphatic Fertilizers	*	0	*	0	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
326	Plastics and Rubber Products	*	0	0	0	0	*	*
327	Nonmetallic Mineral Products	106	0	1	73	0	Q	20
327211	Flat Glass	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0	0

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NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark	Waste Oils/Tars and Waste Materials
327215	Glass Products from Purchased Glass	0	0	0	0	0	0	0
327310	Cements	65	0	0	50	0	*	16
327410	Lime	22	0	0	22	0	0	*
327420	Gypsum	1	0	1	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0	0
331	Primary Metals	256	245	1	8	0	2	*
331111	Iron and Steel Mills	246	245	*	*	0	0	*
331112	Electrometallurgical Ferroalloy Products	1	0	0	0	0	1	0
3312	Steel Products from Purchased Steel	*	0	*	0	0	0	0
3313	Alumina and Aluminum	*	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	*
331316	Aluminum Extruded Products	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	2	0	*	1	0	1	0
3315	Foundries	7	*	0	7	0	0	*
331511	Iron Foundries	7	*	0	7	0	0	*
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	*	0	0	0	0	0
332	Fabricated Metal Products	Q	0	Q	0	0	0	*
333	Machinery	0	0	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	*	0	*	0	0	0	0
336	Transportation Equipment	9	0	5	0	0	0	Q
336111	Automobiles	2	0	2	0	0	0	0
336112	Light Trucks and Utility Vehicles	1	0	1	0	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	7	0	0	0	0	7	0
339	Miscellaneous	*	0	0	0	0	*	0
	Total	4,363	256	1,955	646	850	591	65
<b>theast Census Region</b>								
311	Food	Q	0	*	0	0	*	Q
3112	Grain and Oilseed Milling	*	0	0	0	0	*	0
311221	Wet Corn Milling	*	0	0	0	0	*	0
31131	Sugar Manufacturing	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	Q	0	0	0	0	0	Q
3115	Dairy Product	*	0	*	0	0	0	0
3116	Animal Slaughtering and Processing	*	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
313	Textile Mills	0	0	0	0	0	0	0
314	Textile Product Mills	0	0	0	0	0	0	0
315	Apparel	0	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0	0
321	Wood Products	11	0	*	0	0	11	*
321113	Sawmills	5	0	0	0	0	5	*
3212	Veneer, Plywood, and Engineered Woods	2	0	0	0	0	2	0
3219	Other Wood Products	4	0	*	0	0	4	*

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**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	Waste Oils/Tars and Waste Materials
322	Paper	60	*	*	0	37	23	*
322110	Pulp Mills	9	0	0	0	7	2	0
322121	Paper Mills, except Newsprint	48	0	*	0	28	20	*
322122	Newsprint Mills	*	0	0	0	0	0	*
322130	Paperboard Mills	0	0	0	0	0	0	0
323	Printing and Related Support	0	0	0	0	0	0	0
324	Petroleum and Coal Products	160	4	101	55	0	0	*
324110	Petroleum Refineries	156	0	101	55	0	0	0
324199	Other Petroleum and Coal Products	4	4	0	0	0	0	0
325	Chemicals	1	0	*	0	0	0	1
325110	Petrochemicals	0	0	0	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0	0
325181	Alkalies and Chlorine	0	0	0	0	0	0	0
325182	Carbon Black	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
325193	Ethyl Alcohol	0	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	0
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	0	0	0	0	0	0	0
325412	Pharmaceutical Preparation	0	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0	0	0	0	0
326	Plastics and Rubber Products	0	0	0	0	0	0	0
327	Nonmetallic Mineral Products	9	0	0	4	0	*	Q
327211	Flat Glass	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	0	0	0	0	0	0	0
327310	Cements	5	0	0	3	0	*	2
327410	Lime	*	0	0	*	0	0	0
327420	Gypsum	0	0	0	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0	0
331	Primary Metals	51	51	*	*	0	0	0
331111	Iron and Steel Mills	51	51	0	*	0	0	0
331112	Electrometallurgical Ferroalloy Products	0	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	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0	0	0	0	0
331316	Aluminum Extruded Products	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	1	0	*	*	0	0	0
3315	Foundries	0	0	0	0	0	0	0
331511	Iron Foundries	0	0	0	0	0	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0	0	0	0
332	Fabricated Metal Products	*	0	0	0	0	0	*
333	Machinery	0	0	0	0	0	0	0
334	Computer and Electronic Products	0	0	0	0	0	0	0
334413	Semiconductors and Related Devices	0	0	0	0	0	0	0

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335	Electrical Equip., Appliances, and Components	0	0	0	0	0	0	0
336	Transportation Equipment	Q	0	*	0	0	0	Q
336111	Automobiles	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	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	Q	0	0	0	0	Q	0
339	Miscellaneous	0	0	0	0	0	0	0
	Total	298	55	103	59	37	35	10
<b>West Census Region</b>								
311	Food	2	0	1	0	0	*	*
3112	Grain and Oilseed Milling	1	0	*	0	0	0	*
311221	Wet Corn Milling	*	0	*	0	0	0	0
31131	Sugar Manufacturing	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	0	0	0	0	0	0	0
3115	Dairy Product	0	0	0	0	0	0	0
3116	Animal Slaughtering and Processing	1	0	1	0	0	*	0
312	Beverage and Tobacco Products	1	0	1	0	0	0	*
3121	Beverages	1	0	1	0	0	0	*
3122	Tobacco	0	0	0	0	0	0	0
313	Textile Mills	0	0	0	0	0	0	0
314	Textile Product Mills	0	0	0	0	0	0	0
315	Apparel	0	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0	0
321	Wood Products	Q	0	0	*	0	Q	*
321113	Sawmills	4	0	0	0	0	4	0
3212	Veneer, Plywood, and Engineered Woods	5	0	0	0	0	5	*
3219	Other Wood Products	Q	0	0	*	0	Q	*
322	Paper	73	0	*	5	42	24	3
322110	Pulp Mills	0	0	0	0	0	0	0
322121	Paper Mills, except Newsprint	70	0	*	5	41	22	3
322122	Newsprint Mills	0	0	0	0	0	0	0
322130	Paperboard Mills	3	0	*	0	1	2	*
323	Printing and Related Support	0	0	0	0	0	0	0
324	Petroleum and Coal Products	344	0	251	93	0	0	*
324110	Petroleum Refineries	343	0	250	93	0	0	*
324199	Other Petroleum and Coal Products	*	0	*	0	0	0	0
325	Chemicals	10	0	9	0	0	0	1
325110	Petrochemicals	*	0	*	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0	0
325181	Alkalies and Chlorine	0	0	0	0	0	0	0
325182	Carbon Black	1	0	1	0	0	0	0
325188	Other Basic Inorganic Chemicals	0	0	0	0	0	0	0
325192	Cyclic Crudes and Intermediates	0	0	0	0	0	0	0
325193	Ethyl Alcohol	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	1	0	*	0	0	0	1
325211	Plastics Materials and Resins	8	0	7	0	0	0	1
325212	Synthetic Rubber	0	0	0	0	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	0	0	0	0	0	0	0

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325312	Phosphatic Fertilizers	0	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	0
326	Plastics and Rubber Products	*	0	0	0	0	0	*
327	Nonmetallic Mineral Products	37	0	0	32	0	*	5
327211	Flat Glass	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	0	0	0	0	0	0	0
327310	Cements	28	0	0	23	0	*	4
327410	Lime	8	0	0	8	0	0	0
327420	Gypsum	0	0	0	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0	0
331	Primary Metals	186	177	0	7	0	1	*
331111	Iron and Steel Mills	177	177	0	*	0	0	*
331112	Electrometallurgical Ferroalloy Products	1	0	0	0	0	1	0
3312	Steel Products from Purchased Steel	0	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	0
331315	Aluminum Sheet, Plate and Foils	*	0	0	0	0	0	*
331316	Aluminum Extruded Products	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	1	0	0	1	0	0	0
3315	Foundries	6	*	0	6	0	0	*
331511	Iron Foundries	6	*	0	6	0	0	*
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	*	0	0	0	0	0
332	Fabricated Metal Products	Q	0	Q	0	0	0	0
333	Machinery	0	0	0	0	0	0	0
334	Computer and Electronic Products	0	0	0	0	0	0	0
334413	Semiconductors and Related Devices	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0	0	0	0	0
336	Transportation Equipment	3	0	3	0	0	0	*
336111	Automobiles	1	0	1	0	0	0	0
336112	Light Trucks and Utility Vehicles	1	0	1	0	0	0	0
3364	Aerospace Product and Parts	1	0	1	0	0	0	0
336411	Aircraft	0	0	0	0	0	0	0
337	Furniture and Related Products	Q	0	0	0	0	Q	0
339	Miscellaneous	0	0	0	0	0	0	0
	Total	699	177	266	138	42	68	10
<b>South Census Region</b>								
311	Food	8	0	1	0	0	6	*
3112	Grain and Oilseed Milling	7	0	Q	0	0	6	0
311221	Wet Corn Milling	4	0	0	0	0	4	0
31131	Sugar Manufacturing	1	0	0	0	0	1	0
3114	Fruit and Vegetable Preserving and Specialty Food	*	0	*	0	0	0	0
3115	Dairy Product	0	0	0	0	0	0	0
3116	Animal Slaughtering and Processing	*	0	*	0	0	0	*
312	Beverage and Tobacco Products	1	0	1	0	0	1	0
3121	Beverages	1	0	1	0	0	1	0

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3122	Tobacco	0	0	0	0	0	0	0
313	Textile Mills	Q	0	0	0	0	Q	0
314	Textile Product Mills	0	0	0	0	0	0	0
315	Apparel	0	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0	0
321	Wood Products	120	0	0	0	0	111	9
321113	Sawmills	36	0	0	0	0	35	1
3212	Veneer, Plywood, and Engineered Woods	75	0	0	0	0	67	8
3219	Other Wood Products	7	0	0	0	0	7	*
322	Paper	978	0	*	13	677	284	4
322110	Pulp Mills	141	0	0	*	105	35	1
322121	Paper Mills, except Newsprint	317	0	*	11	227	78	1
322122	Newsprint Mills	3	0	0	0	0	3	0
322130	Paperboard Mills	412	0	0	2	271	136	3
323	Printing and Related Support	0	0	0	0	0	0	0
324	Petroleum and Coal Products	1,053 <sup>R</sup>	7	751 <sup>R</sup>	296	0	0	*
324110	Petroleum Refineries	1,041 <sup>R</sup>	0	751 <sup>R</sup>	290	0	0	*
324199	Other Petroleum and Coal Products	12	7	0	6	0	0	0
325	Chemicals	461 <sup>R</sup>	0	448 <sup>R</sup>	0	0	0	13
325110	Petrochemicals	W	0	220 <sup>R</sup>	0	0	0	W
325120	Industrial Gases	*	0	*	0	0	0	0
325181	Alkalies and Chlorine	0	0	0	0	0	0	0
325182	Carbon Black	1	0	1	0	0	0	0
325188	Other Basic Inorganic Chemicals	*	0	*	0	0	0	0
325192	Cyclic Crudes and Intermediates	*	0	*	0	0	0	*
325193	Ethyl Alcohol	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	143	0	138	0	0	0	4
325211	Plastics Materials and Resins	W	0	79	0	0	0	W
325212	Synthetic Rubber	*	0	*	0	0	0	*
325222	Noncellulosic Organic Fibers	5	0	5	0	0	0	*
325311	Nitrogenous Fertilizers	2	0	2	0	0	0	0
325312	Phosphatic Fertilizers	*	0	*	0	0	0	0
3254	Pharmaceuticals and Medicines	*	0	0	0	0	0	*
325412	Pharmaceutical Preparation	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	38	0	0	24	0	Q	2
327211	Flat Glass	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	0	0	0	0	0	0	0
327310	Cements	16	0	0	15	0	*	2
327410	Lime	10	0	0	10	0	0	*
327420	Gypsum	0	0	0	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0	0
331	Primary Metals	19	18	*	1	0	1	*
331111	Iron and Steel Mills	18	18	*	*	0	0	*
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	0	0	0	0	0	0	0
3313	Alumina and Aluminum	*	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	*

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**Table 3.5 Selected Byproducts in Fuel Consumption, 2006;**  
**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	Waste Oils/Tars and Waste Materials
331316	Aluminum Extruded Products	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	1	0	0	0	0	1	0
3315	Foundries	*	0	0	*	0	0	0
331511	Iron Foundries	*	0	0	*	0	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0	0	0	0
332	Fabricated Metal Products	0	0	0	0	0	0	0
333	Machinery	0	0	0	0	0	0	0
334	Computer and Electronic Products	0	0	0	0	0	0	0
334413	Semiconductors and Related Devices	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	*	0	*	0	0	0	0
336	Transportation Equipment	1	0	1	0	0	0	0
336111	Automobiles	1	0	1	0	0	0	0
336112	Light Trucks and Utility Vehicles	*	0	*	0	0	0	0
3364	Aerospace Product and Parts	0	0	0	0	0	0	0
336411	Aircraft	0	0	0	0	0	0	0
337	Furniture and Related Products	Q	0	0	0	0	Q	0
339	Miscellaneous	*	0	0	0	0	*	0
	<b>Total</b>	<b>2,689</b>	<b>24</b>	<b>1,202</b>	<b>334</b>	<b>677</b>	<b>424</b>	<b>29</b>
<b>West Census Region</b>								
311	Food	*	0	*	0	0	*	*
3112	Grain and Oilseed Milling	0	0	0	0	0	0	0
311221	Wet Corn Milling	0	0	0	0	0	0	0
31131	Sugar Manufacturing	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Food	0	0	0	0	0	0	0
3115	Dairy Product	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	0	0
3121	Beverages	*	0	*	0	0	0	0
3122	Tobacco	0	0	0	0	0	0	0
313	Textile Mills	0	0	0	0	0	0	0
314	Textile Product Mills	0	0	0	0	0	0	0
315	Apparel	0	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0	0
321	Wood Products	44	0	0	0	0	44	*
321113	Sawmills	39	0	0	0	0	39	*
3212	Veneer, Plywood, and Engineered Woods	Q	0	0	0	0	Q	0
3219	Other Wood Products	Q	0	0	0	0	Q	0
322	Paper	118	0	0	*	95	20	3
322110	Pulp Mills	9	0	0	*	9	0	0
322121	Paper Mills, except Newsprint	42	0	0	0	29	12	*
322122	Newsprint Mills	4	0	0	0	0	2	2
322130	Paperboard Mills	64	0	0	*	57	7	*
323	Printing and Related Support	0	0	0	0	0	0	0
324	Petroleum and Coal Products	489	0	380	103	0	0	7
324110	Petroleum Refineries	481	0	380	97	0	0	4
324199	Other Petroleum and Coal Products	6	0	0	6	0	0	0
325	Chemicals	3	0	3	0	0	0	0
325110	Petrochemicals	0	0	0	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0	0

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**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	Waste Oils/Tars and Waste Materials
325181	Alkalies and Chlorine	0	0	0	0	0	0	0
325182	Carbon Black	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	2	0	2	0	0	0	0
325192	Cyclic Crudes and Intermediates	0	0	0	0	0	0	0
325193	Ethyl Alcohol	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	0	0	0	0	0	0	0
325211	Plastics Materials and Resins	Q	0	Q	0	0	0	0
325212	Synthetic Rubber	0	0	0	0	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	0	0	0	0	0	0	0
325412	Pharmaceutical Preparation	0	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0	0	0	0	0
326	Plastics and Rubber Products	0	0	0	0	0	0	0
327	Nonmetallic Mineral Products	22	0	1	13	0	0	8
327211	Flat Glass	0	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	0	0	0	0	0	0	0
327310	Cements	17	0	0	9	0	0	8
327410	Lime	4	0	0	4	0	0	0
327420	Gypsum	1	0	1	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0	0
331	Primary Metals	*	0	0	*	0	0	0
331111	Iron and Steel Mills	0	0	0	0	0	0	0
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	0	0	0	0	0	0	0
3313	Alumina and Aluminum	0	0	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0	0	0	0	0
331316	Aluminum Extruded Products	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	*	0	0	*	0	0	0
3315	Foundries	0	0	0	0	0	0	0
331511	Iron Foundries	0	0	0	0	0	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0	0	0	0
332	Fabricated Metal Products	0	0	0	0	0	0	0
333	Machinery	0	0	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	0	0	0	0	0	0	0
336	Transportation Equipment	*	0	*	0	0	0	0
336111	Automobiles	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	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
337	Furniture and Related Products	0	0	0	0	0	0	0
339	Miscellaneous	0	0	0	0	0	0	0
	Total	677	0	384	116	95	65	17

(a) The Bureau of the Census classifies establishments using the North American

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NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark	Waste Oils/Tars and Waste Materials
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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.  
 R=Revised estimates.

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