

Table 3.5 Selected Byproducts in Fuel Consumption, 2010;

Level: National and Regional Data;

Row: NAICS Codes; Column: Energy Sources;

Unit: Trillion Btu.

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

Table 3.5 Selected Byproducts in Fuel Consumption, 2010;**Level: National and Regional Data;****Row: NAICS Codes; Column: Energy Sources;****Unit: Trillion Btu.**

NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark
327213	Glass Containers	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	*	0	0	0	0	0
327310	Cements	40	0	1	35	0	*
327410	Lime	9	0	*	9	0	0
327420	Gypsum	*	0	0	0	0	*
327993	Mineral Wool	*	0	0	0	0	0
331	Primary Metals	270	264	0	2	0	4
331111	Iron and Steel Mills	265	264	0	2	0	0
331112	Electrometallurgical Ferroalloy Products	1	0	0	0	0	1
3312	Steel Products from Purchased Steel	*	0	0	0	0	*
3313	Alumina and Aluminum	*	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	*	0	0	0	0	0
331316	Aluminum Extruded Products	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	3	0	0	*	0	3
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	3	0	0	*	0	3
3315	Foundries	*	*	0	*	0	0
331511	Iron Foundries	*	0	0	*	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	*	0	0	0	0
332	Fabricated Metal Products	Q	*	0	0	0	Q
333	Machinery	Q	0	*	0	0	0
334	Computer and Electronic Products	0	0	0	0	0	0
334413	Semiconductors and Related Devices	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	*	0	*	0	0	0
336	Transportation Equipment	2	0	2	0	0	0
336111	Automobiles	1	0	1	0	0	0
336112	Light Trucks and Utility Vehicles	1	0	1	0	0	0
3364	Aerospace Product and Parts	1	0	1	0	0	0
336411	Aircraft	*	0	0	0	0	0
337	Furniture and Related Products	4	0	0	0	0	4
339	Miscellaneous	*	0	0	0	0	*
	Total	4,114	281	1,741	657	824	569

Northeast Census Region

311	Food	1	0	1	0	0	0
3112	Grain and Oilseed Milling	*	0	*	0	0	0
311221	Wet Corn Milling	0	0	0	0	0	0
31131	Sugar Manufacturing	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	*	0	*	0	0	0
3115	Dairy Products	*	0	*	0	0	0
3116	Animal Slaughtering and Processing	*	0	*	0	0	0
312	Beverage and Tobacco Products	*	0	*	0	0	0
3121	Beverages	*	0	*	0	0	0
3122	Tobacco	0	0	0	0	0	0
313	Textile Mills	0	0	0	0	0	0
314	Textile Product Mills	0	0	0	0	0	0
315	Apparel	0	0	0	0	0	0
316	Leather and Allied Products	*	0	0	0	0	0
321	Wood Products	40	0	0	0	0	38
321113	Sawmills	3	0	0	0	0	3
3212	Veneer, Plywood, and Engineered Woods	34	0	0	0	0	34

Table 3.5 Selected Byproducts in Fuel Consumption, 2010;**Level: National and Regional Data;****Row: NAICS Codes; Column: Energy Sources;****Unit: Trillion Btu.**

NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark
321219	Reconstituted Wood Products	18	0	0	0	0	18
3219	Other Wood Products	2	0	0	0	0	1
322	Paper	100	0	*	*	62	35
322110	Pulp Mills	15	0	0	0	11	4
322121	Paper Mills, except Newsprint	78	0	*	*	50	25
322122	Newsprint Mills	5	0	0	0	0	5
322130	Paperboard Mills	0	0	0	0	0	0
323	Printing and Related Support	0	0	0	0	0	0
324	Petroleum and Coal Products	142	*	76	64	0	0
324110	Petroleum Refineries	140	0	76	64	0	0
324121	Asphalt Paving Mixture and Block	2	0	0	0	0	0
324199	Other Petroleum and Coal Products	*	*	0	0	0	0
325	Chemicals	*	0	*	0	0	0
325110	Petrochemicals	0	0	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0
325181	Alkalies and Chlorine	0	0	0	0	0	0
325182	Carbon Black	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	*	0	0	0	0	0
325192	Cyclic Crudes and Intermediates	0	0	0	0	0	0
325193	Ethyl Alcohol	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	*	0	*	0	0	0
325211	Plastics Materials and Resins	*	0	*	0	0	0
325212	Synthetic Rubber	0	0	0	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	0	0	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	0	0	0	0	0	0
325412	Pharmaceutical Preparation	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	*	0	*	0	0	0
326	Plastics and Rubber Products	0	0	0	0	0	0
327	Nonmetallic Mineral Products	5	0	0	4	0	0
327121	Brick and Structural Clay Tile	0	0	0	0	0	0
327211	Flat Glass	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	0	0	0	0	0	0
327310	Cements	4	0	0	4	0	0
327410	Lime	*	0	0	*	0	0
327420	Gypsum	0	0	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0
331	Primary Metals	44	44	0	0	0	*
331111	Iron and Steel Mills	44	44	0	0	0	0
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	0	0	0	0	0	0
3313	Alumina and Aluminum	*	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	*	0	0	0	0	0
331316	Aluminum Extruded Products	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	*	0	0	0	0	*
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	0	0	0	0	0	0
3315	Foundries	0	0	0	0	0	0
331511	Iron Foundries	0	0	0	0	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0	0	0

Table 3.5 Selected Byproducts in Fuel Consumption, 2010;**Level: National and Regional Data;****Row: NAICS Codes; Column: Energy Sources;****Unit: Trillion Btu.**

NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark
332	Fabricated Metal Products	0	0	0	0	0	0
333	Machinery	*	0	*	0	0	0
334	Computer and Electronic Products	0	0	0	0	0	0
334413	Semiconductors and Related Devices	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	*	0	0	0	0	0
336	Transportation Equipment	*	0	0	0	0	0
336111	Automobiles	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0
3364	Aerospace Product and Parts	*	0	0	0	0	0
336411	Aircraft	*	0	0	0	0	0
337	Furniture and Related Products	0	0	0	0	0	0
339	Miscellaneous	*	0	0	0	0	*
	Total	334	44	78	68	62	73
Midwest Census Region							
311	Food	5	0	4	0	0	*
3112	Grain and Oilseed Milling	1	0	1	0	0	0
311221	Wet Corn Milling	*	0	*	0	0	0
31131	Sugar Manufacturing	*	0	*	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	*	0	*	0	0	0
3115	Dairy Products	*	0	*	0	0	0
3116	Animal Slaughtering and Processing	3	0	3	0	0	*
312	Beverage and Tobacco Products	*	0	*	0	0	*
3121	Beverages	*	0	*	0	0	*
3122	Tobacco	0	0	0	0	0	0
313	Textile Mills	0	0	0	0	0	0
314	Textile Product Mills	0	0	0	0	0	0
315	Apparel	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0
321	Wood Products	31	0	0	0	0	31
321113	Sawmills	23	0	0	0	0	23
3212	Veneer, Plywood, and Engineered Woods	4	0	0	0	0	4
321219	Reconstituted Wood Products	3	0	0	0	0	3
3219	Other Wood Products	4	0	0	0	0	4
322	Paper	88	0	1	4	54	27
322110	Pulp Mills	*	0	0	0	0	*
322121	Paper Mills, except Newsprint	81	0	*	4	53	22
322122	Newsprint Mills	0	0	0	0	0	0
322130	Paperboard Mills	7	0	1	0	1	5
323	Printing and Related Support	*	0	0	0	0	*
324	Petroleum and Coal Products	341	5	245	90	0	0
324110	Petroleum Refineries	326	0	245	81	0	0
324121	Asphalt Paving Mixture and Block	1	0	0	0	0	0
324199	Other Petroleum and Coal Products	15	5	*	9	0	0
325	Chemicals	7	0	5	0	0	1
325110	Petrochemicals	0	0	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0
325181	Alkalies and Chlorine	0	0	0	0	0	0
325182	Carbon Black	W	0	W	0	0	0
325188	Other Basic Inorganic Chemicals	*	0	0	0	0	0
325192	Cyclic Crudes and Intermediates	0	0	0	0	0	0
325193	Ethyl Alcohol	1	0	1	0	0	1

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NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark
325199	Other Basic Organic Chemicals	1	0	*	0	0	0
325211	Plastics Materials and Resins	2	0	2	0	0	0
325212	Synthetic Rubber	*	0	*	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	1	0	1	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	0	0	0	0	0	0
325412	Pharmaceutical Preparation	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0	0	0	0
326	Plastics and Rubber Products	0	0	0	0	0	0
327	Nonmetallic Mineral Products	31	0	1	27	0	*
327121	Brick and Structural Clay Tile	*	0	*	*	0	0
327211	Flat Glass	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	*	0	0	0	0	0
327310	Cements	23	0	*	19	0	0
327410	Lime	8	0	*	8	0	0
327420	Gypsum	*	0	0	0	0	*
327993	Mineral Wool	0	0	0	0	0	0
331	Primary Metals	182	181	0	*	0	1
331111	Iron and Steel Mills	181	181	0	*	0	0
331112	Electrometallurgical Ferroalloy Products	1	0	0	0	0	1
3312	Steel Products from Purchased Steel	*	0	0	0	0	*
3313	Alumina and Aluminum	*	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	*	0	0	0	0	0
331316	Aluminum Extruded Products	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	0	0	0	0	0	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	0	0	0	0	0	0
3315	Foundries	*	0	0	*	0	0
331511	Iron Foundries	*	0	0	*	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0	0	0
332	Fabricated Metal Products	0	0	0	0	0	0
333	Machinery	*	0	0	0	0	0
334	Computer and Electronic Products	0	0	0	0	0	0
334413	Semiconductors and Related Devices	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0	0	0	0
336	Transportation Equipment	2	0	2	0	0	0
336111	Automobiles	1	0	1	0	0	0
336112	Light Trucks and Utility Vehicles	*	0	*	0	0	0
3364	Aerospace Product and Parts	1	0	1	0	0	0
336411	Aircraft	0	0	0	0	0	0
337	Furniture and Related Products	1	0	0	0	0	1
339	Miscellaneous	0	0	0	0	0	0
	Total	688	186	258	122	54	60
South Census Region							
311	Food	3	0	2	0	0	1
3112	Grain and Oilseed Milling	1	0	1	0	0	*
311221	Wet Corn Milling	0	0	0	0	0	0

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NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark
31131	Sugar Manufacturing	*	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	*	0	*	0	0	0
3115	Dairy Products	0	0	0	0	0	0
3116	Animal Slaughtering and Processing	1	0	1	0	0	*
312	Beverage and Tobacco Products	2	0	1	0	0	1
3121	Beverages	2	0	1	0	0	1
3122	Tobacco	0	0	0	0	0	0
313	Textile Mills	0	0	0	0	0	0
314	Textile Product Mills	*	0	*	0	0	0
315	Apparel	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0
321	Wood Products	94	0	0	0	0	91
321113	Sawmills	36	0	0	0	0	35
3212	Veneer, Plywood, and Engineered Woods	46	0	0	0	0	44
321219	Reconstituted Wood Products	27	0	0	0	0	26
3219	Other Wood Products	10	0	0	0	0	10
322	Paper	916	0	2	19	637	253
322110	Pulp Mills	186	0	0	W	154	W
322121	Paper Mills, except Newsprint	248	0	2	W	168	W
322122	Newsprint Mills	17	0	0	0	11	5
322130	Paperboard Mills	464	0	*	W	303	W
323	Printing and Related Support	*	*	0	0	0	0
324	Petroleum and Coal Products	1,003	10	684	308	0	0
324110	Petroleum Refineries	967	0	682	285	0	0
324121	Asphalt Paving Mixture and Block	2	0	0	0	0	0
324199	Other Petroleum and Coal Products	33	10	1	23	0	0
325	Chemicals	380	0	371	3	0	1
325110	Petrochemicals	191	0	190	0	0	0
325120	Industrial Gases	0	0	0	0	0	0
325181	Alkalies and Chlorine	1	0	1	0	0	0
325182	Carbon Black	W	0	W	0	0	0
325188	Other Basic Inorganic Chemicals	*	0	*	0	0	0
325192	Cyclic Crudes and Intermediates	2	0	1	0	0	0
325193	Ethyl Alcohol	*	0	*	0	0	0
325199	Other Basic Organic Chemicals	88	0	87	0	0	0
325211	Plastics Materials and Resins	22	0	18	0	0	0
325212	Synthetic Rubber	*	0	*	0	0	0
325222	Noncellulosic Organic Fibers	3	0	3	0	0	0
325311	Nitrogenous Fertilizers	*	0	*	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	1	0	*	0	0	1
325412	Pharmaceutical Preparation	1	0	*	0	0	1
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0	0	0	0
326	Plastics and Rubber Products	*	0	0	0	0	*
327	Nonmetallic Mineral Products	15	0	*	11	0	1
327121	Brick and Structural Clay Tile	1	0	*	0	0	1
327211	Flat Glass	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	0	0	0	0	0	0
327310	Cements	12	0	*	11	0	*
327410	Lime	*	0	0	*	0	0
327420	Gypsum	0	0	0	0	0	0
327993	Mineral Wool	*	0	0	0	0	0

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NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark
331	Primary Metals	43	39	0	1	0	3
331111	Iron and Steel Mills	40	39	0	1	0	0
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	*	0	0	0	0	0
3313	Alumina and Aluminum	*	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	*	0	0	0	0	0
331316	Aluminum Extruded Products	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	3	0	0	0	0	3
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	3	0	0	0	0	3
3315	Foundries	*	*	0	*	0	0
331511	Iron Foundries	*	0	0	*	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	*	*	0	0	0	0
332	Fabricated Metal Products	*	*	0	0	0	0
333	Machinery	*	0	0	0	0	0
334	Computer and Electronic Products	0	0	0	0	0	0
334413	Semiconductors and Related Devices	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	*	0	*	0	0	0
336	Transportation Equipment	*	0	*	0	0	0
336111	Automobiles	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	*	0	*	0	0	0
3364	Aerospace Product and Parts	0	0	0	0	0	0
336411	Aircraft	0	0	0	0	0	0
337	Furniture and Related Products	Q	0	0	0	0	Q
339	Miscellaneous	0	0	0	0	0	0
	Total	2,460	49	1,060	342	637	354

West Census Region

311	Food	Q	0	1	0	0	*
3112	Grain and Oilseed Milling	Q	0	0	0	0	0
311221	Wet Corn Milling	0	0	0	0	0	0
31131	Sugar Manufacturing	*	0	0	0	0	*
3114	Fruit and Vegetable Preserving and Specialty Foods	*	0	*	0	0	0
3115	Dairy Products	*	0	*	0	0	0
3116	Animal Slaughtering and Processing	*	0	*	0	0	0
312	Beverage and Tobacco Products	*	0	*	0	0	0
3121	Beverages	*	0	*	0	0	0
3122	Tobacco	0	0	0	0	0	0
313	Textile Mills	0	0	0	0	0	0
314	Textile Product Mills	0	0	0	0	0	0
315	Apparel	0	0	0	0	0	0
316	Leather and Allied Products	0	0	0	0	0	0
321	Wood Products	53	0	0	0	0	53
321113	Sawmills	38	0	0	0	0	38
3212	Veneer, Plywood, and Engineered Woods	11	0	0	0	0	11
321219	Reconstituted Wood Products	3	0	0	0	0	3
3219	Other Wood Products	4	0	0	0	0	4
322	Paper	101	0	*	0	70	28
322110	Pulp Mills	5	0	0	0	4	1
322121	Paper Mills, except Newsprint	39	0	0	0	24	14
322122	Newsprint Mills	1	0	0	0	0	1

Table 3.5 Selected Byproducts in Fuel Consumption, 2010;**Level: National and Regional Data;****Row: NAICS Codes; Column: Energy Sources;****Unit: Trillion Btu.**

NAICS Code(a)	Subsector and Industry	Total	Blast Furnace/Coke Oven Gases	Waste Gas	Petroleum Coke	Pulping Liquor or Black Liquor	Wood Chips, Bark
322130	Paperboard Mills	55	0	*	0	42	11
323	Printing and Related Support	0	0	0	0	0	0
324	Petroleum and Coal Products	469	0	344	123	0	0
324110	Petroleum Refineries	468	0	344	123	0	0
324121	Asphalt Paving Mixture and Block	1	0	0	0	0	0
324199	Other Petroleum and Coal Products	*	0	0	*	0	0
325	Chemicals	2	2	*	0	0	0
325110	Petrochemicals	0	0	0	0	0	0
325120	Industrial Gases	0	0	0	0	0	0
325181	Alkalies and Chlorine	0	0	0	0	0	0
325182	Carbon Black	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	2	2	0	0	0	0
325192	Cyclic Crudes and Intermediates	0	0	0	0	0	0
325193	Ethyl Alcohol	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	*	0	0	0	0	0
325211	Plastics Materials and Resins	*	0	*	0	0	0
325212	Synthetic Rubber	0	0	0	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	0	0	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	0	0	0	0	0	0
325412	Pharmaceutical Preparation	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	0	0	0	0	0	0
326	Plastics and Rubber Products	0	0	0	0	0	0
327	Nonmetallic Mineral Products	2	0	*	2	0	*
327121	Brick and Structural Clay Tile	0	0	0	0	0	0
327211	Flat Glass	0	0	0	0	0	0
327212	Other Pressed and Blown Glass and Glassware	0	0	0	0	0	0
327213	Glass Containers	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	0	0	0	0	0	0
327310	Cements	2	0	*	2	0	*
327410	Lime	*	0	0	*	0	0
327420	Gypsum	0	0	0	0	0	0
327993	Mineral Wool	0	0	0	0	0	0
331	Primary Metals	*	0	0	*	0	0
331111	Iron and Steel Mills	0	0	0	0	0	0
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	0	0	0	0	0	0
3313	Alumina and Aluminum	0	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0	0	0	0
331316	Aluminum Extruded Products	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	*	0	0	*	0	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	*	0	0	*	0	0
3315	Foundries	0	0	0	0	0	0
331511	Iron Foundries	0	0	0	0	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	0	0	0	0	0	0
332	Fabricated Metal Products	Q	0	0	0	0	Q
333	Machinery	0	0	0	0	0	0
334	Computer and Electronic Products	0	0	0	0	0	0
334413	Semiconductors and Related Devices	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0	0	0	0
336	Transportation Equipment	*	0	*	0	0	0

Table 3.5 Selected Byproducts in Fuel Consumption, 2010;**Level: National and Regional Data;****Row: NAICS Codes; Column: Energy Sources;****Unit: Trillion Btu.**

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

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

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

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

NA=Not available.

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

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

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**Waste
Oils/Tars
and Waste
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