

Table 3.4 Number of Establishments by Fuel Consumption, 2010;
Level: National Data;
Row: NAICS Codes; Column: Energy Sources;
Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	Any Energy Source(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)
Total United States										
311	Food	13,269	13,265	144	2,416	10,373	4,039	64	7	1,538
3112	Grain and Oilseed Milling	602	602	9	204	489	268	30	0	140
311221	Wet Corn Milling	59	59	W	28	50	36	15	0	29
31131	Sugar Manufacturing	73	73	3	36	67	12	W	7	14
3114	Fruit and Vegetable Preserving and Specialty Foods	987	987	17	207	839	503	W	0	210
3115	Dairy Products	998	998	12	217	908	161	W	0	85
3116	Animal Slaughtering and Processing	1,709	1,709	72	514	1,262	583	W	0	324
312	Beverage and Tobacco Products	2,093	2,093	7	335	1,242	1,162	12	0	201
3121	Beverages	2,022	2,022	W	309	1,193	1,125	7	0	193
3122	Tobacco	71	71	W	26	48	38	5	0	8
313	Textile Mills	1,341	1,341	49	161	1,059	557	23	0	109
314	Textile Product Mills	3,531	3,531	W	Q	1,969	779	W	0	Q
315	Apparel	4,193	4,193	0	Q	1,979	Q	0	0	W
316	Leather and Allied Products	452	452	W	17	231	143	0	0	W
321	Wood Products	7,727	7,709	31	2,907	3,146	4,203	Q	0	2,213
321113	Sawmills	1,660	1,647	13	893	346	586	0	0	742
3212	Veneer, Plywood, and Engineered Woods	1,228	1,228	3	518	628	718	4	0	275
321219	Reconstituted Wood Products	182	182	3	97	137	137	W	0	80
3219	Other Wood Products	4,521	4,515	W	1,357	2,014	2,777	W	0	1,122
322	Paper	3,733	3,733	125	582	2,984	2,421	93	W	476
322110	Pulp Mills	41	41	17	28	32	25	W	0	28
322121	Paper Mills, except Newsprint	204	204	46	103	177	150	51	0	102
322122	Newsprint Mills	26	26	4	18	15	20	W	0	19
322130	Paperboard Mills	177	177	48	98	147	132	30	W	98
323	Printing and Related Support	15,313	15,313	W	250	10,055	2,469	0	0	471
324	Petroleum and Coal Products	2,024	2,017	157	995	1,317	677	9	0	575
324110	Petroleum Refineries(h)	232	231	W	110	204	107	W	0	189
324121	Asphalt Paving Mixture and Block	1,338	1,332	122	733	767	233	W	0	258
324199	Other Petroleum and Coal Products	48	48	W	32	44	20	4	0	31
325	Chemicals	8,289	8,288	42	1,594	6,339	3,660	71	0	1,232
325110	Petrochemicals	40	40	3	24	38	10	0	0	31
325120	Industrial Gases	486	486	0	18	176	Q	0	0	9
325181	Alkalies and Chlorine	35	35	0	21	27	18	5	0	22
325182	Carbon Black	33	32	W	11	29	8	0	0	14
325188	Other Basic Inorganic Chemicals	470	470	W	204	399	263	5	0	150
325192	Cyclic Crudes and Intermediates	24	24	4	14	23	13	0	0	14
325193	Ethyl Alcohol	185	185	0	82	170	57	12	0	61
325199	Other Basic Organic Chemicals	476	476	W	174	423	254	6	0	175
325211	Plastics Materials and Resins	744	744	3	169	627	426	5	0	171
325212	Synthetic Rubber	126	126	0	20	78	52	W	0	22
325222	Noncellulosic Organic Fibers	77	77	5	23	59	42	4	0	22
325311	Nitrogenous Fertilizers	70	70	W	40	44	30	0	0	30
325312	Phosphatic Fertilizers	65	65	W	24	32	24	W	0	23
3254	Pharmaceuticals and Medicines	1,178	1,178	9	213	956	227	6	0	109
325412	Pharmaceutical Preparation	609	609	W	129	500	117	6	0	54
325992	Photographic Film, Paper, Plate, and Chemicals	138	138	W	19	117	37	W	0	18
326	Plastics and Rubber Products	8,268	8,268	W	557	6,374	4,236	W	0	677
327	Nonmetallic Mineral Products	11,997	11,997	Q	5,691	6,460	3,826	254	28	2,258
327121	Brick and Structural Clay Tile	156	156	W	88	146	46	11	0	66
327211	Flat Glass	51	51	0	34	47	34	0	0	33
327212	Other Pressed and Blown Glass and Glassware	163	163	0	39	140	76	0	0	41
327213	Glass Containers	68	68	0	39	63	46	0	0	31
327215	Glass Products from Purchased Glass	561	561	0	46	410	229	W	0	126
327310	Cements	209	209	4	150	127	84	97	11	103
327410	Lime	83	83	W	63	43	36	51	W	53
327420	Gypsum	138	138	W	64	113	111	0	0	35
327993	Mineral Wool	203	203	0	67	150	93	0	12	40
331	Primary Metals	3,196	3,196	13	918	2,699	1,776	22	98	887
331111	Iron and Steel Mills	427	427	4	168	345	186	22	23	168
331112	Electrometallurgical Ferroalloy Products	20	20	0	16	17	9	0	W	13
3312	Steel Products from Purchased Steel	418	418	W	120	319	235	0	W	135
3313	Alumina and Aluminum	388	388	W	125	288	203	0	0	103
331314	Secondary Smelting and Alloying of Aluminum	79	79	W	49	71	51	0	0	26
331315	Aluminum Sheet, Plate and Foils	67	67	W	31	61	41	0	0	25
331316	Aluminum Extruded Products	133	133	0	33	128	95	0	0	42

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3314	Nonferrous Metals, except Aluminum	602	602	W	143	486	341	0	W	145
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	82	82	0	31	69	48	0	W	35
3315	Foundries	1,341	1,341	0	346	1,244	802	0	59	323
331511	Iron Foundries	332	332	0	179	313	227	0	59	121
331521	Aluminum Die-Casting Foundries	162	162	0	7	135	112	0	0	37
331524	Aluminum Foundries, except Die-Casting	271	271	0	54	248	150	0	0	32
332	Fabricated Metal Products	32,369	32,369	W	3,644	23,127	16,141	W	0	4,935
333	Machinery	14,370	14,370	W	1,297	10,772	6,155	0	0	2,030
334	Computer and Electronic Products	6,685	6,685	5	511	4,021	1,012	0	0	339
334413	Semiconductors and Related Devices	419	419	W	65	291	66	0	0	60
335	Electrical Equip., Appliances, and Components	3,294	3,294	W	422	2,786	1,140	0	W	360
336	Transportation Equipment	6,270	6,270	25	1,015	4,667	3,503	5	0	1,246
336111	Automobiles	68	68	0	8	44	41	W	0	10
336112	Light Trucks and Utility Vehicles	50	50	0	10	38	9	W	0	9
3364	Aerospace Product and Parts	1,077	1,077	14	139	895	328	W	0	207
336411	Aircraft	278	278	10	64	255	98	0	0	96
337	Furniture and Related Products	8,257	8,187	0	512	5,022	3,502	W	0	407
339	Miscellaneous	13,494	13,491	W	473	9,377	3,536	W	0	993
	Total	170,166	170,062	1,018	24,499	115,999	65,281	868	136	21,319

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

(b) 'Any Energy Source' represents the non-duplicative total of establishments identified with any of the listed energy sources. This count includes only those establishments that reported this activity in 2010.

(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.

(h) The establishment counts from the current frame represent the best classifications available according to current procedures. However, some errors in classification can produce results that are in obvious disagreement with other known sources. Such is the case for Petroleum Refineries, NAICS 324110. Upon later examination, this industry includes establishments that should probably be classified in other industries within 324. Their influence on energy consumption quantities should be minimal due to the relatively much higher energy intensities of correctly classified petroleum refineries.

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.

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(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 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.