

Table 3.4 Number of Establishments by Fuel Consumption, 2002.
Level: National Data;
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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)	RSE Row Factors
Total United States											
	RSE Column Factors:	0.7	0.7	1.3	1.1	0.9	1.2	1.2	1	1.2	
311	Food	15,089	15,045	274	2,418	12,018	3,159	91	19	1,858	5.1
311221	Wet Corn Milling	49	49	3	20	47	14	19	0	15	1
31131	Sugar	77	77	18	40	62	31	24	19	44	1
311421	Fruit and Vegetable Canning	468	468	38	123	416	229	0	0	146	7.8
312	Beverage and Tobacco Products	1,595	1,595	35	251	1,132	630	17	0	184	11
3121	Beverages	1,517	1,517	24	221	1,075	586	9	0	164	13
3122	Tobacco	78	78	11	30	57	44	8	0	19	1
313	Textile Mills	2,247	2,247	145	360	1,388	865	48	0	209	5.3
314	Textile Product Mills	3,457	3,456	16	82	2,245	592	26	0	162	10.6
315	Apparel	5,500	5,500	26	311	3,014	608	0	0	182	10.2
316	Leather and Allied Products	685	699	W	31	568	71	0	0	Q	6.3
321	Wood Products	10,486	10,460	69	2,831	4,600	4,274	W	0	2,737	1.7
321113	Sawmills	2,235	2,209	W	1,097	476	581	0	0	923	2.7
3212	Veneer, Plywood, and Engineered Woods	1,478	1,478	7	419	774	771	W	0	510	3.3
3219	Other Wood Products	6,461	6,461	55	1,137	3,153	2,794	0	0	1,226	2.1
322	Paper	4,257	4,257	242	541	3,481	2,197	102	W	474	1.8
322110	Pulp Mills	34	34	15	21	26	18	W	0	24	1
322121	Paper Mills, except Newsprint	323	323	111	156	267	215	55	W	155	3.7
322122	Newsprint Mills	21	21	4	14	16	12	4	0	14	1
322130	Paperboard Mills	210	210	57	91	185	148	38	0	98	1.8
323	Printing and Related Support	20,220	20,220	136	192	13,304	1,879	0	0	511	5.2
324	Petroleum and Coal Products	1,916	1,916	118	709	1,409	526	12	W	356	5.9
324110	Petroleum Refineries	215	215	40	91	198	94	9	0	173	1.4
324199	Other Petroleum and Coal Products	47	47	W	26	30	10	3	W	23	1
325	Chemicals	8,909	8,909	270	1,742	6,757	3,205	137	W	1,865	2.2
325110	Petrochemicals	37	37	W	12	33	8	W	0	23	1
325120	Industrial Gases	527	527	0	5	174	Q	0	0	46	4.2
325181	Alkalies and Chlorine	33	33	W	10	29	6	7	0	19	1.1
325182	Carbon Black	22	22	4	11	22	4	0	0	15	1
325188	Other Basic Inorganic Chemicals	515	515	16	102	315	219	5	W	126	5.8
325192	Cyclic Crudes and Intermediates	37	37	4	17	36	12	0	0	20	1
325193	Ethyl Alcohol	48	48	0	10	46	12	18	0	26	1
325199	Other Basic Organic Chemicals	578	578	30	261	480	315	47	0	363	2.1
325211	Plastics Materials and Resins	709	709	62	166	588	341	16	W	251	2.1
325212	Synthetic Rubber	125	125	24	30	103	54	W	0	46	3.3
325222	Noncellulosic Organic Fibers	64	64	19	23	50	31	W	0	27	1
325311	Nitrogenous Fertilizers	56	56	0	23	44	12	0	0	23	1.1
325312	Phosphatic Fertilizers	27	27	5	21	21	10	W	W	12	1
3254	Pharmaceuticals and Medicines	1,143	1,143	56	324	917	308	6	0	162	3.3
325412	Pharmaceutical Preparation	606	606	11	128	507	126	6	0	75	6.2
325992	Photographic Film, Paper, Plate, and Chemicals	171	171	4	51	162	69	W	0	47	4.4
326	Plastics and Rubber Products	10,538	10,538	81	705	8,022	3,960	7	0	1,382	1.8
327	Nonmetallic Mineral Products	11,593	11,516	27	3,999	7,328	3,127	181	22	2,163	5.8
3272	Glass and Glass Products	1,047	1,047	W	155	979	329	0	0	203	5.9
327211	Flat Glass	38	38	W	22	38	28	0	0	22	1
327213	Glass Containers	61	61	0	44	61	51	0	0	46	1.1
327310	Cements	195	195	3	106	136	64	109	7	118	2.4
327410	Lime	65	65	7	48	44	29	45	W	53	1
327993	Mineral Wool	207	207	0	37	183	68	0	14	44	14.5
331	Primary Metals	4,166	4,166	44	986	3,599	1,873	39	118	1,341	3.6
331111	Iron and Steel Mills	771	771	5	274	448	157	21	19	159	4.2
331112	Electrometallurgical Ferroalloy Products	15	15	0	10	14	6	W	W	6	1

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3312	Steel Products from Purchased Steel	548	548	13	138	504	303	0	0	169	4.6
3313	Alumina and Aluminum	446	446	W	114	423	194	0	W	156	3.2
331312	Primary Aluminum	41	41	W	26	41	22	0	0	26	1.9
3314	Nonferrous Metals, except Aluminum	671	671	W	110	629	317	W	W	222	2.7
3315	Foundries	1,715	1,715	13	341	1,582	895	14	80	630	5.1
331511	Iron Foundries	453	453	0	194	396	253	13	80	190	5.4
331521	Aluminum Die-Casting Foundries	227	227	W	11	215	126	0	0	84	1.4
331524	Aluminum Foundries, except Die-Casting	341	341	W	37	304	152	0	0	117	4.7
332	Fabricated Metal Products	35,349	35,349	201	2,955	26,976	13,506	73	66	8,331	5.2
333	Machinery	17,381	17,381	14	1,097	14,123	5,965	W	0	3,169	2.3
334	Computer and Electronic Products	9,238	9,292	23	657	6,629	987	W	0	614	2.3
334413	Semiconductors and Related Devices	578	632	W	93	434	63	0	0	52	4
335	Electrical Equip., Appliances, and Components	3,886	3,886	17	321	3,349	1,446	W	0	726	5.2
336	Transportation Equipment	7,653	7,653	33	1,119	5,993	3,253	20	0	2,051	1.6
336112	Light Trucks and Utility Vehicles	42	42	3	21	41	19	W	0	30	1
337	Furniture and Related Products	10,941	10,941	W	649	6,144	2,833	99	0	940	6.7
339	Miscellaneous	15,605	15,605	12	295	11,171	3,711	0	0	1,724	2.1
	Total	200,710	200,630	1,846	22,249	143,250	58,667	860	231	31,018	2.2

(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 2002.

(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.

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: 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 onsite 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

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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, '2002 Manufacturing Energy Consumption Survey,' and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, 'Monthly Refinery Report' for 2002