

Table 2.4 Number of Establishments by Nonfuel (Feedstock) Use of Combustible Energy, 2002;
Level: National Data;
Row: NAICS Codes (3-Digit Only); Column: Energy Sources;
Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	Any Combustible Energy Source(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	LPG and NGL(e)	Coal	Coke and Breeze	Other(f)	RSE Row Factors
Total United States										
RSE Column Factors:		1.5	0.6	1.1	1	1.1	0.7	1	1.4	
311	Food	406	W	152	185	0	0	4	83	9.6
311221	Wet Corn Milling	W	0	W	0	0	0	0	W	0.8
31131	Sugar	6	0	W	W	0	0	4	W	0.9
311421	Fruit and Vegetable Canning	14	W	6	0	0	0	0	9	5.6
312	Beverage and Tobacco Products	31	W	5	W	0	0	0	15	12.4
3121	Beverages	Q	W	5	0	0	0	0	12	31.9
3122	Tobacco	W	0	0	W	0	0	0	W	0.8
313	Textile Mills	15	0	12	3	0	0	0	W	6.8
314	Textile Product Mills	W	0	0	W	0	W	0	W	3.1
315	Apparel	0	0	0	0	0	0	0	0	0
316	Leather and Allied Products	W	0	0	0	0	0	0	W	0.7
321	Wood Products	326	7	189	0	0	0	0	208	3.3
321113	Sawmills	104	W	87	0	0	0	0	21	3.8
3212	Veneer, Plywood, and Engineered Woods	70	W	56	0	0	0	0	68	5.7
3219	Other Wood Products	119	0	24	0	0	0	0	113	5.3
322	Paper	84	W	25	0	3	W	0	64	4.1
322110	Pulp Mills	5	0	5	0	0	0	0	W	0.8
322121	Paper Mills, except Newsprint	36	0	5	0	3	0	0	30	9.7
322122	Newsprint Mills	4	0	W	0	0	0	0	4	0.8
322130	Paperboard Mills	30	W	10	0	0	W	0	22	1.7
323	Printing and Related Support	101	0	W	0	0	0	0	98	17.1
324	Petroleum and Coal Products	350	W	243	W	0	34	W	85	11.9
324110	Petroleum Refineries	0	0	0	0	0	0	0	0	0
324199	Other Petroleum and Coal Products	31	W	W	W	0	14	W	16	1
325	Chemicals	834	9	82	190	278	30	13	445	4
325110	Petrochemicals	29	0	0	4	24	0	0	7	1
325120	Industrial Gases	Q	0	0	13	W	0	0	Q	0.9
325181	Alkalies and Chlorine	11	0	3	3	W	0	0	6	0.8
325182	Carbon Black	19	9	W	11	0	0	0	6	1
325188	Other Basic Inorganic Chemicals	50	0	7	15	5	0	W	34	2
325192	Cyclic Crudes and Intermediates	17	0	W	5	6	W	0	11	0.9
325193	Ethyl Alcohol	5	0	W	0	0	W	0	W	0.9
325199	Other Basic Organic Chemicals	198	0	12	77	80	W	0	90	1.4
325211	Plastics Materials and Resins	129	0	7	19	109	0	0	31	1.7
325212	Synthetic Rubber	13	0	W	W	9	0	0	6	0.8
325222	Noncellulosic Organic Fibers	6	0	W	W	0	0	0	4	0.8
325311	Nitrogenous Fertilizers	26	0	0	24	0	W	0	3	0.9
325312	Phosphatic Fertilizers	W	0	0	W	0	0	0	0	0.8
3254	Pharmaceuticals and Medicines	47	0	6	W	W	0	0	44	2.6
325412	Pharmaceutical Preparation	28	0	3	0	W	0	0	26	3.6
325992	Photographic Film, Paper, Plate, and Chemicals	W	0	0	0	W	0	0	W	0.8
326	Plastics and Rubber Products	198	0	25	0	51	0	0	137	4.7

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327	Nonmetallic Mineral Products	349	0	232	W	0	W	0	120	13.5
3272	Glass and Glass Products	48	0	11	W	0	W	0	35	4.5
327211	Flat Glass	13	0	0	0	0	W	0	11	0.9
327213	Glass Containers	0	0	0	0	0	0	0	0	0
327310	Cements	29	0	25	0	0	0	0	6	7.7
327410	Lime	6	0	W	0	0	W	0	W	0.9
327993	Mineral Wool	6	0	3	W	0	0	0	W	0.8
331	Primary Metals	469	0	86	22	12	38	58	353	4.8
331111	Iron and Steel Mills	78	0	7	10	W	19	12	57	3.1
331112	Electrometallurgical Ferroalloy Products	6	0	W	W	0	3	W	3	0.9
3312	Steel Products from Purchased Steel	112	0	29	0	0	8	W	79	2.8
3313	Alumina and Aluminum	44	0	W	W	0	W	0	39	2.1
331312	Primary Aluminum	23	0	0	0	0	W	0	23	0.9
3314	Nonferrous Metals, except Aluminum	83	0	W	W	0	W	W	76	3
3315	Foundries	146	0	42	7	W	W	33	99	4.8
331511	Iron Foundries	78	0	37	W	0	W	33	37	5.4
331521	Aluminum Die-Casting Foundries	10	0	W	W	0	0	0	10	1.2
331524	Aluminum Foundries, except Die-Casting	9	0	W	W	0	0	0	5	2.8
332	Fabricated Metal Products	843	0	60	85	182	0	0	576	13.1
333	Machinery	469	0	113	W	20	0	0	273	5.7
334	Computer and Electronic Products	313	0	5	114	0	0	0	199	4.1
334413	Semiconductors and Related Devices	115	0	0	43	0	0	0	76	13.5
335	Electrical Equip., Appliances, and Components	127	W	19	30	Q	W	W	75	9.3
336	Transportation Equipment	244	0	68	8	0	0	W	173	3.2
336112	Light Trucks and Utility Vehicles	7	0	W	0	0	0	0	6	0.8
337	Furniture and Related Products	46	0	W	0	0	0	0	42	8.9
339	Miscellaneous	89	0	51	W	6	0	0	52	8
	Total	5,299	36	1,381	733	558	120	84	3,007	8.5

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

(b) 'Any Combustible 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) 'Distillate Fuel Oil' includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

(d) '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.

(e) 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).'

(f) 'Other' includes energy that respondents indicated was used as feedstock/raw material inputs. See also Footnote 'g'.

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(g) 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.

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: 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 derived estimates presented in this table are for the first use (formerly primary consumption) of energy 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: 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.

