

Table 1.4 Number of Establishments by First Use of Energy for All Purposes (Fuel and Nonfuel), 2006;
 Level: National Data;
 Row: NAICS Codes; Column: Energy Sources and Shipments
 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)	Shipments of Energy Sources Produced Onsite(h)
Total United States											
311	Food	14,128	14,113	326	1,475	11,399	2,947	67	15	1,210	W
3112	Grain and Oilseed Milling	580	580	15	183	449	269	35	0	148	W
311221	Wet Corn Milling	47	47	W	17	44	19	18	0	18	0
31131	Sugar Manufacturing	78	78	11	45	61	35	26	15	45	0
3114	Fruit and Vegetable Preserving and Specialty Food	1,125	1,125	13	112	961	352	W	0	127	0
3115	Dairy Product	1,044	1,044	25	88	941	147	W	0	96	0
3116	Animal Slaughtering and Processing	1,715	1,715	45	394	1,542	352	0	0	209	0
312	Beverage and Tobacco Products	1,830	1,830	15	348	957	790	17	0	186	0
3121	Beverages	1,758	1,758	8	319	900	758	10	0	176	0
3122	Tobacco	72	72	7	30	57	33	7	0	10	0
313	Textile Mills	1,966	1,966	116	179	1,532	630	51	0	193	0
314	Textile Product Mills	3,332	3,332	23	106	1,925	687	Q	0	178	0
315	Apparel	5,567	5,499	W	Q	2,977	360	0	0	Q	0
316	Leather and Allied Products	687	687	3	Q	392	57	0	0	Q	0
321	Wood Products	10,785	10,777	105	3,311	4,328	4,490	Q	W	2,289	0
321113	Sawmills	2,282	2,274	10	1,241	432	535	0	0	712	0
3212	Veneer, Plywood, and Engineered Woods	1,462	1,462	3	385	806	684	Q	0	258	0
3219	Other Wood Products	6,688	6,688	86	1,481	2,908	3,178	W	W	1,205	0
322	Paper	3,957	3,928	206	415	3,215	2,039	107	0	489	0
322110	Pulp Mills	32	32	12	21	27	14	W	0	25	0
322121	Paper Mills, except Newsprint	288	288	87	116	241	182	59	0	142	0
322122	Newsprint Mills	20	20	3	11	14	12	3	0	11	0
322130	Paperboard Mills	200	200	60	111	176	124	38	0	93	0
323	Printing and Related Support	18,917	18,830	Q	335	12,825	2,263	0	0	378	0
324	Petroleum and Coal Products	1,813	1,813	98	864	996	467	10	W	475	40
324110	Petroleum Refineries	209	209	31	95	200	96	W	0	180	0
324199	Other Petroleum and Coal Products	48	48	0	21	41	13	7	W	21	11
325	Chemicals	8,623	8,621	103	1,609	6,441	2,368	65	W	1,090	77
325110	Petrochemicals	45	45	W	15	37	28	0	0	18	13
325120	Industrial Gases	560	560	0	9	255	36	0	0	65	W
325181	Alkalies and Chlorine	32	32	0	20	26	12	4	0	23	0
325182	Carbon Black	24	24	14	7	24	7	0	0	7	0
325188	Other Basic Inorganic Chemicals	473	473	10	151	328	197	6	W	123	W
325192	Cyclic Crudes and Intermediates	25	25	0	9	24	7	W	0	11	W
325193	Ethyl Alcohol	65	65	0	28	64	15	7	0	15	0
325199	Other Basic Organic Chemicals	488	488	16	163	426	205	9	0	145	11
325211	Plastics Materials and Resins	558	557	5	181	511	256	5	W	137	10
325212	Synthetic Rubber	92	92	W	21	70	36	W	0	15	0
325222	Noncellulosic Organic Fibers	77	77	13	27	63	32	8	0	27	W
325311	Nitrogenous Fertilizers	65	65	0	21	47	23	0	0	21	0
325312	Phosphatic Fertilizers	32	32	W	20	25	11	W	0	23	0
3254	Pharmaceuticals and Medicines	1,123	1,123	24	272	879	157	10	0	86	0
325412	Pharmaceutical Preparation	580	580	16	156	452	90	8	0	56	0
325992	Photographic Film, Paper, Plate, and Chemicals	143	143	W	16	107	33	W	0	Q	0
326	Plastics and Rubber Products	9,823	9,823	92	676	7,669	3,474	W	0	809	0
327	Nonmetallic Mineral Products	11,914	11,914	104	3,607	6,450	3,240	195	18	1,850	0
327211	Flat Glass	42	42	W	29	41	28	W	0	25	0
327212	Other Pressed and Blown Glass and Glassware	157	157	0	38	113	98	0	0	37	0
327213	Glass Containers	55	55	0	26	55	29	0	0	22	0
327215	Glass Products from Purchased Glass	768	768	0	94	496	309	Q	0	100	0
327310	Cements	188	188	6	85	93	36	81	3	76	0
327410	Lime	62	62	W	51	40	27	46	5	45	0
327420	Gypsum	145	145	W	61	112	95	0	0	35	0
327993	Mineral Wool	188	188	0	35	156	95	0	10	22	0
331	Primary Metals	3,290	3,271	31	921	2,920	1,638	56	107	898	W
331111	Iron and Steel Mills	348	347	9	145	300	135	37	31	151	17
331112	Electrometallurgical Ferroalloy Products	18	18	0	14	18	9	7	W	14	0
3312	Steel Products from Purchased Steel	446	446	0	113	394	210	W	W	125	0
3313	Alumina and Aluminum	384	384	5	109	362	198	W	0	95	0
331314	Secondary Smelting and Alloying of Aluminum	97	97	W	40	90	43	W	0	21	0
331315	Aluminum Sheet, Plate and Foils	56	56	0	23	54	30	0	0	15	0
331316	Aluminum Extruded Products	150	150	W	22	142	80	0	0	40	0
3314	Nonferrous Metals, except Aluminum	574	574	W	168	453	267	6	11	204	0

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3315	Foundries	1,520	1,503	W	372	1,393	819	W	57	310	W
331511	Iron Foundries	379	379	W	185	333	219	0	57	106	W
331521	Aluminum Die-Casting Foundries	185	185	0	5	172	62	0	0	32	0
331524	Aluminum Foundries, except Die-Casting	309	309	W	47	279	158	0	0	59	0
332	Fabricated Metal Products	35,520	35,520	Q	3,377	25,150	13,695	0	W	5,474	0
333	Machinery	16,296	16,296	W	1,720	12,891	4,894	W	0	1,911	0
334	Computer and Electronic Products	8,188	8,188	7	573	5,323	992	0	0	471	0
334413	Semiconductors and Related Devices	522	522	W	104	462	45	0	0	70	0
335	Electrical Equip., Appliances, and Components	3,596	3,596	0	299	2,818	980	W	0	379	W
336	Transportation Equipment	7,024	7,024	111	1,136	5,434	2,854	13	W	1,450	0
336111	Automobiles	77	77	W	23	68	42	4	0	30	0
336112	Light Trucks and Utility Vehicles	47	47	W	27	42	18	W	0	28	0
3364	Aerospace Product and Parts	910	910	Q	70	671	437	W	0	230	0
336411	Aircraft	105	105	W	24	78	38	0	0	18	0
337	Furniture and Related Products	11,545	11,368	Q	879	6,753	3,139	29	0	1,122	0
339	Miscellaneous	15,702	15,702	Q	704	9,609	3,097	0	0	1,059	0
	Total	194,504	194,099	2,013	22,654	132,003	55,101	738	160	22,069	140

(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 2006.

(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 or as feedstock/raw material inputs. See also Footnote 'i'.

(h) 'Shipments of Energy Sources Produced Onsite' are those shipments produced or transformed onsite from the nonfuel use of other energy sources. For example, at an establishment that processes coal to make coke for later use, the entire quantity of coal is counted as first use.

Any onsite consumption of coke is not counted as first use because it would duplicate the coal use. If some of the coke is then sold to another establishment, then that second establishment will consider this coke to be a shipment of an offsite-produced energy source. Hence, the second establishment will count this coke as its first use, thereby resulting in double counting. In order to eliminate the double counting, the energy equivalent of the coke shipment must be subtracted from first use.

(i) 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. The remaining columns for the petroleum refining industry include only energy that was consumed for the production of heat and power. The 'Other' column also includes net steam and other energy that respondents indicated was used in the production of heat and power. 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

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in this table are for the first use (formerly primary consumption) of energy for heat and power and 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, '2006 Manufacturing Energy Consumption Survey,' and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, 'Monthly Refinery Report' for 2006.