

Table 10.13 Number of Establishments with Capability to Switch LPG to Alternative Energy Sources, 2002;
Level: National Data;
Row: NAICS Codes;
Column: Energy Sources;
Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	LPG(b)		Alternative Energy Sources(c)								RSE Row Factors
		Total Consumed(d)	Switchable	Not Switchable	Electricity Receipts(e)	Natural Gas	Distillate Fuel Oil	Residual Fuel Oil	Coal	Coal Coke and Breeze	Other(f)	
Total United States												
	RSE Column Factors:	0.6	0.8	0.6	0.9	0.7	0.8	1	2.8	2.7	0.7	
311	Food	3,159	793	2,492	570	533	147	225	22	20	21	21.9
311221	Wet Corn Milling	14	W	W	W	W	0	0	0	0	W	1.4
31131	Sugar	31	W	W	W	0	0	0	W	0	W	1.1
311421	Fruit and Vegetable Canning	229	15	215	11	4	W	W	0	0	0	5.3
312	Beverage and Tobacco Products	630	76	558	57	34	17	0	0	0	Q	32.6
3121	Beverages	586	71	519	W	W	W	0	0	0	W	34.3
3122	Tobacco	44	5	39	W	W	W	0	0	0	W	1.3
313	Textile Mills	865	264	618	112	90	24	18	0	0	92	12.6
314	Textile Product Mills	592	30	563	7	23	0	0	0	0	0	18.1
315	Apparel	608	23	592	18	5	11	0	0	0	0	30.1
316	Leather and Allied Products	71	Q	52	0	W	Q	0	0	0	W	20.9
321	Wood Products	4,274	592	3,770	374	125	352	85	50	47	124	8.3
321113	Sawmills	581	83	498	67	21	45	8	17	14	16	8.3
3212	Veneer, Plywood, and Engineered Woods	771	240	538	116	81	104	35	33	33	94	15.3
3219	Other Wood Products	2,794	256	2,619	183	15	196	36	0	0	14	5.8
322	Paper	2,197	279	1,943	145	89	25	7	0	0	61	5.1
322110	Pulp Mills	18	W	W	W	0	W	0	0	0	W	1.3
322121	Paper Mills, except Newsprint	215	29	189	Q	Q	W	0	0	0	W	6.3
322122	Newsprint Mills	12	W	W	0	W	W	0	0	0	0	1.4
322130	Paperboard Mills	148	6	144	W	W	W	W	0	0	W	1.5
323	Printing and Related Support	1,879	252	1,647	241	85	94	0	0	0	W	11.2
324	Petroleum and Coal Products	526	99	431	5	86	28	Q	0	0	W	20.9
324110	Petroleum Refineries	94	42	55	W	40	4	W	0	0	W	1.4
324199	Other Petroleum and Coal Products	10	W	W	0	W	0	0	0	0	0	1.4
325	Chemicals	3,205	402	2,830	293	176	98	0	0	0	147	4.5
325110	Petrochemicals	8	0	8	0	0	0	0	0	0	0	1.6
325120	Industrial Gases	Q	0	Q	0	0	0	0	0	0	0	0
325181	Alkalies and Chlorine	6	0	6	0	0	0	0	0	0	0	1.6
325182	Carbon Black	4	0	4	0	0	0	0	0	0	0	1.6
325188	Other Basic Inorganic Chemicals	219	16	206	12	9	4	0	0	0	W	8.7
325192	Cyclic Crudes and Intermediates	12	W	W	0	W	0	0	0	0	0	1.4
325193	Ethyl Alcohol	12	4	8	0	4	0	0	0	0	0	1.4
325199	Other Basic Organic Chemicals	315	59	275	55	9	8	0	0	0	20	4.7
325211	Plastics Materials and Resins	341	83	259	62	23	W	0	0	0	W	4
325212	Synthetic Rubber	54	4	51	W	Q	0	0	0	0	W	7.3

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325222	Noncellulosic Organic Fibers	31	5	26	W	W	0	0	0	0	W	1.4
325311	Nitrogenous Fertilizers	12	W	W	W	W	W	0	0	0	W	1.3
325312	Phosphatic Fertilizers	10	W	W	0	0	0	0	0	0	W	1.4
3254	Pharmaceuticals and Medicines	308	13	294	11	6	0	0	0	0	5	13.2
325412	Pharmaceutical Preparation	126	8	118	8	W	0	0	0	0	5	14.2
325992	Photographic Film, Paper, Plate, and Chemicals	69	Q	60	Q	W	0	0	0	0	0	13.4
326	Plastics and Rubber Products	3,960	755	3,239	605	234	394	18	0	0	59	4.5
327	Nonmetallic Mineral Products	3,127	760	2,411	219	561	229	Q	W	0	26	25.8
3272	Glass and Glass Products	329	68	262	11	42	8	0	0	0	10	31.9
327211	Flat Glass	28	W	W	W	W	0	0	0	0	W	1.4
327213	Glass Containers	51	W	W	0	0	W	0	0	0	0	1.4
327310	Cements	64	Q	49	Q	Q	W	W	0	0	W	2.5
327410	Lime	29	8	23	4	0	6	0	0	0	W	1.3
327993	Mineral Wool	68	Q	52	Q	Q	Q	0	0	0	0	21.6
331	Primary Metals	1,873	286	1,620	87	185	85	35	5	0	52	6.4
331111	Iron and Steel Mills	157	6	153	0	4	W	0	0	0	0	4
331112	Electrometallurgical Ferroalloy Products	6	0	6	0	0	0	0	0	0	0	1.6
3312	Steel Products from Purchased Steel	303	61	248	23	28	29	25	0	0	7	5.6
3313	Alumina and Aluminum	194	36	161	10	29	9	0	0	0	12	24.1
331312	Primary Aluminum	22	9	15	0	9	0	0	0	0	0	1.4
3314	Nonferrous Metals, except Aluminum	317	48	271	19	26	W	W	0	0	25	7
3315	Foundries	895	136	779	34	97	43	W	5	0	8	4.7
331511	Iron Foundries	253	38	225	W	18	24	0	0	0	0	6.9
331521	Aluminum Die-Casting Foundries	126	14	115	9	10	W	W	0	0	W	1.5
331524	Aluminum Foundries, except Die-Casting	152	19	136	11	15	9	0	5	0	4	6.5
332	Fabricated Metal Products	13,506	1,984	11,758	1,292	1,186	503	184	0	0	213	10.4
333	Machinery	5,965	953	5,145	471	679	258	21	W	0	126	7
334	Computer and Electronic Products	987	94	893	75	18	W	W	0	0	W	5.3
334413	Semiconductors and Related Devices	63	5	57	W	4	0	0	0	0	0	3.4
335	Electrical Equip., Appliances, and Components	1,446	182	1,309	100	99	13	Q	0	0	4	27.7
336	Transportation Equipment	3,253	487	2,828	285	194	170	32	0	0	66	3.8
336112	Light Trucks and Utility Vehicles	19	W	W	0	W	0	0	0	0	0	1.4
337	Furniture and Related Products	2,833	129	2,761	102	W	W	W	0	0	21	11.7
339	Miscellaneous	3,711	845	3,064	818	242	217	0	0	0	16	5.7
	Total	58,667	9,306	50,524	5,875	4,690	2,699	749	164	67	1,046	5.5

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

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(b) These counts include only those establishments that reported this activity in 2002.

(c) 'Alternative Energy Sources' consist of those energy sources that could have been substituted for LPG during 2002. The quantities are expressed in thousands of barrels, and therefore represent the quantity of LPG that could have been displaced by the given alternative type of energy.

(d) 'Total Consumed' represents those quantities (Total Inputs) of LPG that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

(e) 'Electricity Receipts' represents those quantities of electricity generated off the manufacturing establishment site and available at the site for consumption. It includes those quantities for which payment was made, quantities transferred in, quantities purchased and paid for by a central purchasing entity, and quantities for which payment was made in kind. It does not include electricity generated onsite. 'Electricity Receipts' has not been adjusted to account for any quantities that might have been resold or transferred out. The estimates include those quantities that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

(f) 'Other' includes all other types of energy not already identified that respondents indicated could have been consumed in place of LPG.

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.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use Division, Form EIA-846, '2002 Manufacturing Energy Consumption Survey.'