

**Table 10.3 Number of Establishments with Capability to Switch Natural Gas to Alternative Energy Sources, 2006;**

Level: National Data;

Row: NAICS Codes;

Column: Energy Sources;

Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	Natural Gas(b)			Alternative Energy Sources(c)						
		Total Consumed(d)	Switchable	Not Switchable	Electricity Receipts(e)	Distillate Fuel Oil	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(f)
<b>Total United States</b>											
311	Food	11,395	1,830	6,388	484	499	245	Q	555	0	203
3112	Grain and Oilseed Milling	445	90	322	0	49	13	3	28	0	7
311221	Wet Corn Milling	44	11	36	0	W	0	3	4	0	W
31131	Sugar Manufacturing	61	13	46	0	11	W	0	0	0	W
3114	Fruit and Vegetable Preserving and Specialty Foods	961	153	529	Q	61	15	0	23	0	Q
3115	Dairy Products	941	182	601	30	65	47	0	25	0	W
3116	Animal Slaughtering and Processing	1,542	361	1,022	Q	148	Q	0	79	0	94
312	Beverage and Tobacco Products	957	118	562	W	81	20	W	10	0	7
3121	Beverages	900	94	524	W	Q	10	W	4	0	7
3122	Tobacco	57	24	38	0	18	10	W	5	0	0
313	Textile Mills	1,532	426	948	Q	203	35	0	89	0	Q
314	Textile Product Mills	1,925	314	1,122	Q	140	Q	W	156	0	12
315	Apparel	2,977	237	1,621	W	170	0	0	0	0	0
316	Leather and Allied Products	392	42	206	Q	W	0	0	5	0	0
321	Wood Products	4,327	509	2,752	205	49	Q	W	199	0	97
321113	Sawmills	432	75	237	25	Q	5	0	Q	0	15
3212	Veneer, Plywood, and Engineered Woods	804	61	595	W	6	W	0	49	0	6
3219	Other Wood Products	2,908	352	1,806	142	5	9	W	131	0	76
322	Paper	3,215	616	2,048	180	222	157	29	123	W	21
322110	Pulp Mills	27	11	18	W	5	0	18	W	0	W
322121	Paper Mills, except Newsprint	241	95	179	11	33	42	14	10	0	11
322122	Newsprint Mills	14	5	9	W	5	W	0	0	0	0
322130	Paperboard Mills	176	76	124	10	34	30	13	7	W	5
323	Printing and Related Support	12,825	1,406	7,332	1,041	W	Q	0	312	0	0
324	Petroleum and Coal Products	996	226	736	19	65	24	0	107	0	42
324110	Petroleum Refineries	200	66	172	7	18	15	0	37	0	13
324199	Other Petroleum and Coal Products	41	5	28	W	W	W	0	W	0	W
325	Chemicals	6,398	923	4,677	380	413	193	Q	205	W	99
325110	Petrochemicals	37	8	29	W	W	W	0	W	0	W
325120	Industrial Gases	251	53	178	53	0	0	0	W	0	0
325181	Alkalies and Chlorine	26	9	23	W	4	0	0	W	0	W
325182	Carbon Black	23	6	21	0	W	W	0	0	0	0
325188	Other Basic Inorganic Chemicals	326	73	217	Q	Q	11	0	9	0	3
325192	Cyclic Crudes and Intermediates	23	5	13	W	3	W	0	0	0	W
325193	Ethyl Alcohol	64	9	48	0	5	W	W	5	0	W
325199	Other Basic Organic Chemicals	426	63	329	3	43	10	3	4	0	4
325211	Plastics Materials and Resins	510	107	352	W	77	12	0	Q	0	3
325212	Synthetic Rubber	70	20	47	6	10	4	0	W	0	W
325222	Noncellulosic Organic Fibers	63	32	36	W	15	11	0	7	0	W
325311	Nitrogenous Fertilizers	47	4	42	W	W	0	0	0	0	0
325312	Phosphatic Fertilizers	25	W	21	0	W	W	0	W	0	W
3254	Pharmaceuticals and Medicines	878	116	552	6	74	24	W	11	0	W
325412	Pharmaceutical Preparation	452	81	337	6	52	24	W	7	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	107	25	70	Q	12	W	0	4	0	0
326	Plastics and Rubber Products	7,669	1,377	4,874	670	338	97	0	411	0	Q
327	Nonmetallic Mineral Products	6,449	900	4,068	331	84	Q	Q	527	W	10
327211	Flat Glass	41	18	23	0	9	0	0	10	0	W
327212	Other Pressed and Blown Glass and Glassware	113	26	60	0	W	0	0	24	0	W
327213	Glass Containers	55	19	42	10	7	W	0	15	0	0
327215	Glass Products from Purchased Glass	495	49	338	18	0	W	W	17	0	0
327310	Cements	93	22	76	3	7	3	9	3	W	W
327410	Lime	40	W	33	0	W	W	W	W	0	0
327420	Gypsum	112	18	100	W	W	W	0	W	0	0
327993	Mineral Wool	156	8	132	W	W	0	0	4	0	0
331	Primary Metals	2,916	387	2,012	161	74	38	6	209	6	12
331111	Iron and Steel Mills	300	43	227	13	7	W	W	13	W	6
331112	Electrometallurgical Ferroalloy Products	18	W	14	W	0	0	0	0	0	0

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NAICS Code(a)	Subsector and Industry	Natural Gas(b)			Alternative Energy Sources(c)						
		Total Consumed(d)	Switchable	Not Switchable	Electricity Receipts(e)	Distillate Fuel Oil	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(f)
3312	Steel Products from Purchased Steel	390	71	268	41	29	21	W	35	W	0
3313	Alumina and Aluminum	362	63	259	16	20	7	0	31	0	W
331314	Secondary Smelting and Alloying of Aluminum	90	8	62	4	W	0	0	W	0	0
331315	Aluminum Sheet, Plate and Foils	54	7	45	W	5	W	0	W	0	0
331316	Aluminum Extruded Products	142	22	97	W	W	0	15	W	0	W
3314	Nonferrous Metals, except Aluminum	453	W	305	W	9	W	0	16	0	0
3315	Foundries	1,393	171	941	84	9	W	W	114	0	W
331511	Iron Foundries	333	46	269	8	4	W	W	39	0	W
331521	Aluminum Die-Casting Foundries	172	29	103	9	W	3	0	20	0	W
331524	Aluminum Foundries, except Die-Casting	279	34	183	18	W	0	0	10	0	0
332	Fabricated Metal Products	25,150	3,212	15,608	1,861	320	318	W	1,269	0	Q
333	Machinery	12,891	1,479	7,665	1,020	48	Q	0	Q	0	Q
334	Computer and Electronic Products	5,323	688	3,191	484	62	Q	0	218	0	Q
334413	Semiconductors and Related Devices	462	60	294	40	19	W	0	W	0	W
335	Electrical Equip., Appliances, and Components	2,818	353	1,913	234	26	57	W	144	W	W
336	Transportation Equipment	5,434	667	3,722	391	35	W	W	390	W	12
336111	Automobiles	68	14	52	6	5	W	0	W	W	0
336112	Light Trucks and Utility Vehicles	42	14	29	0	4	W	0	8	0	W
3364	Aerospace Product and Parts	671	120	448	Q	16	6	W	Q	0	4
336411	Aircraft	78	9	53	W	5	W	0	5	0	W
337	Furniture and Related Products	6,753	677	3,125	530	Q	0	W	223	W	W
339	Miscellaneous	9,609	1,184	5,486	967	W	W	0	Q	0	0
	Total	131,949	17,573	80,056	9,220	2,942	1,574	334	5,491	Q	1,057

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

(b) These counts include only those establishments that reported this activity in 2006.

(c) 'Alternative Energy Sources' consist of those energy sources that could have been substituted for natural gas during 2006. The quantities are expressed in billions of cubic feet, and therefore represent the quantity of natural gas that could have been displaced by the given alternative type of energy.

(d) 'Total Consumed' represents those quantities (Total Inputs) of natural gas 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 natural gas.

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 Consumption Division, Form EIA-846, '2006 Manufacturing Energy Consumption Survey.'