



**Table 10.7 Number of Establishments with Capability to Switch Electricity to Alternative Energy Sources, 2002;**  
**Level: National Data;**  
**Row: NAICS Codes;**  
**Column: Energy Sources;**  
**Unit: Establishment Counts.**

NAICS Code(a)	Subsector and Industry	Electricity Receipts(b)			Alternative Energy Sources(c)							RSE Row Factors
		Total Receipts(d)	Switchable	Not Switchable	Natural Gas	Distillate Fuel Oil	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)	
325222	Noncellulosic Organic Fibers	64	W	W	W	0	W	W	0	0	0	1.2
325311	Nitrogenous Fertilizers	56	4	55	W	W	0	0	0	0	0	1.1
325312	Phosphatic Fertilizers	27	W	W	W	W	W	0	0	0	0	1.1
3254	Pharmaceuticals and Medicines	1,143	65	1,135	13	54	W	0	6	0	W	4.5
325412	Pharmaceutical Preparation	606	30	600	4	27	0	0	6	0	W	6.8
325992	Photographic Film, Paper, Plate, and Chemicals	171	0	171	0	0	0	0	0	0	0	8.9
326	Plastics and Rubber Products	10,538	367	10,282	255	193	16	62	184	0	89	4.1
327	Nonmetallic Mineral Products	11,516	626	11,161	283	384	Q	79	74	Q	Q	14.9
3272	Glass and Glass Products	1,047	62	1,013	48	33	0	Q	Q	0	0	18.6
327211	Flat Glass	38	9	35	W	8	0	0	W	0	0	1
327213	Glass Containers	61	7	60	6	W	0	0	0	0	0	1.1
327310	Cements	195	W	W	0	W	0	W	0	0	0	2.3
327410	Lime	65	0	65	0	0	0	0	0	0	0	1.8
327993	Mineral Wool	207	Q	169	Q	Q	Q	Q	Q	Q	0	15
331	Primary Metals	4,166	147	4,101	93	117	25	W	48	0	5	2.6
331111	Iron and Steel Mills	771	6	771	W	W	0	0	0	0	W	2.1
331112	Electrometallurgical Ferroalloy Products	15	W	W	0	W	0	0	0	0	0	1.2
3312	Steel Products from Purchased Steel	548	34	525	29	27	20	0	24	0	0	2.9
3313	Alumina and Aluminum	446	W	W	0	Q	0	0	0	0	0	6.2
331312	Primary Aluminum	41	0	41	0	0	0	0	0	0	0	7.2
3314	Nonferrous Metals, except Aluminum	671	25	659	11	24	0	0	9	0	0	4.3
3315	Foundries	1,715	65	1,702	52	46	5	W	15	0	W	2.1
331511	Iron Foundries	453	10	450	7	8	W	0	4	0	0	3.8
331521	Aluminum Die-Casting Foundries	227	8	226	7	5	0	0	4	0	0	1.3
331524	Aluminum Foundries, except Die-Casting	341	15	334	11	8	W	0	5	0	W	1.7
332	Fabricated Metal Products	35,349	1,529	34,400	1,083	639	183	216	584	81	74	9.5
333	Machinery	17,381	560	16,969	470	308	90	4	290	0	65	5.3
334	Computer and Electronic Products	9,238	384	8,985	250	177	79	W	80	W	52	2.6
334413	Semiconductors and Related Devices	578	19	575	11	15	W	W	3	W	W	1.5
335	Electrical Equip., Appliances, and Components	3,886	201	3,831	91	Q	W	0	13	0	11	12.7
336	Transportation Equipment	7,653	387	7,479	206	333	87	69	153	66	71	5.3
336112	Light Trucks and Utility Vehicles	42	5	41	W	W	0	W	0	0	W	1.1
337	Furniture and Related Products	10,941	331	10,817	316	96	5	W	84	0	78	6.5
339	Miscellaneous	15,605	619	15,295	W	W	97	221	W	214	79	5.2
	Total	200,574	7,749	196,202	4,984	3,811	994	1,123	2,262	752	1,033	4.5

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

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NAICS Code(a)	Subsector and Industry	Electricity Receipts(b)		Alternative Energy Sources(c)							RSE Row Factors
		Total Receipts(d)	Switchable	Not Switchable	Natural Gas	Distillate Fuel Oil	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	

(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 electricity receipts during 2002. The quantities are expressed in millions of kilowatthours, and therefore represent the quantity of electricity that could have been displaced by the given alternative type of energy.

(d) 'Total 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.

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

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.'