

Table 10.9 Number of Establishments with Capability to Switch Distillate Fuel Oil to Alternative Energy Sources, 2006;**Level: National Data;****Row: NAICS Codes;****Column: Energy Sources;****Unit: Establishment Counts.**

NAICS Code(a)	Subsector and Industry	Distillate Fuel Oil(b)			Alternative Energy Sources(c)						
		Total Consumed(d)	Switchable	Not Switchable	Electricity Receipts(e)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(f)
Total United States											
311	Food	1,462	276	900	Q	217	8	0	25	0	16
3112	Grain and Oilseed Milling	174	10	131	W	4	0	0	W	0	0
311221	Wet Corn Milling	17	W	15	0	0	0	0	W	0	0
31131	Sugar Manufacturing	43	4	35	0	W	0	0	0	0	W
3114	Fruit and Vegetable Preserving and Specialty Foods	112	13	70	4	7	4	0	10	0	4
3115	Dairy Products	88	17	72	5	14	W	0	W	0	0
3116	Animal Slaughtering and Processing	393	62	230	W	57	0	0	Q	0	W
312	Beverage and Tobacco Products	348	Q	208	Q	22	W	W	0	0	0
3121	Beverages	319	Q	189	Q	14	0	0	0	0	0
3122	Tobacco	30	8	19	0	8	W	W	0	0	0
313	Textile Mills	179	W	139	0	W	0	0	0	0	0
314	Textile Product Mills	106	24	79	W	5	W	W	0	0	0
315	Apparel	Q	W	0	0	W	0	0	0	0	0
316	Leather and Allied Products	Q	0	Q	0	0	0	0	0	0	0
321	Wood Products	3,302	159	2,590	Q	0	W	0	54	0	18
321113	Sawmills	1,241	57	908	21	0	W	0	4	0	7
3212	Veneer, Plywood, and Engineered Woods	385	Q	288	0	0	0	0	Q	0	W
3219	Other Wood Products	1,474	63	1,226	W	0	0	0	W	0	W
322	Paper	411	50	327	7	41	5	W	7	0	W
322110	Pulp Mills	21	4	12	W	4	0	0	0	0	W
322121	Paper Mills, except Newsprint	113	16	85	W	13	W	W	W	0	W
322122	Newsprint Mills	11	W	6	0	W	0	0	0	0	0
322130	Paperboard Mills	110	18	85	W	17	4	0	W	0	0
323	Printing and Related Support	249	Q	118	0	Q	0	0	W	0	0
324	Petroleum and Coal Products	764	177	575	Q	83	53	0	77	0	6
324110	Petroleum Refineries	95	10	66	W	6	0	0	W	0	W
324199	Other Petroleum and Coal Products	21	0	16	0	0	0	0	0	0	0
325	Chemicals	1,603	169	1,254	78	97	Q	W	Q	0	5
325110	Petrochemicals	14	0	14	0	0	0	0	0	0	0
325120	Industrial Gases	9	0	7	0	0	0	0	0	0	0
325181	Alkalies and Chlorine	19	W	15	0	W	0	0	0	0	0
325182	Carbon Black	7	0	4	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	151	Q	104	Q	Q	W	0	W	0	0
325192	Cyclic Crudes and Intermediates	9	W	8	0	W	W	0	0	0	0
325193	Ethyl Alcohol	26	4	20	W	W	0	W	0	0	0
325199	Other Basic Organic Chemicals	163	14	112	3	9	4	0	W	0	W
325211	Plastics Materials and Resins	181	12	130	W	Q	W	0	W	0	0
325212	Synthetic Rubber	21	4	11	0	W	0	W	0	0	0
325222	Noncellulosic Organic Fibers	27	10	18	W	6	W	0	W	0	0
325311	Nitrogenous Fertilizers	21	0	19	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	20	0	20	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	271	34	211	9	20	0	0	0	0	W
325412	Pharmaceutical Preparation	156	21	134	4	17	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	16	6	10	0	6	0	0	0	0	0
326	Plastics and Rubber Products	647	157	285	W	129	W	0	0	0	0
327	Nonmetallic Mineral Products	3,606	150	2,626	Q	Q	Q	W	Q	0	W
327211	Flat Glass	29	W	20	W	0	W	0	W	0	0
327212	Other Pressed and Blown Glass and Glassware	37	W	34	0	W	0	0	0	0	0
327213	Glass Containers	26	0	25	0	0	0	0	0	0	0
327215	Glass Products from Purchased Glass	94	9	71	8	W	0	0	0	0	0
327310	Cements	85	8	50	0	0	W	W	W	0	W
327410	Lime	51	W	45	0	0	0	0	W	0	0
327420	Gypsum	61	0	57	0	0	0	0	0	0	0
327993	Mineral Wool	35	W	28	0	0	0	0	0	0	W
331	Primary Metals	921	52	700	7	17	W	0	26	0	W
331111	Iron and Steel Mills	145	9	112	0	W	0	0	W	0	W
331112	Electrometallurgical Ferroalloy Products	14	W	9	0	0	0	0	W	0	0

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		Total Consumed(d)	Switchable	Not Switchable	Electricity Receipts(e)	Natural Gas	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(f)
3312	Steel Products from Purchased Steel	113	W	102	0	W	0	0	0	0	0
3313	Alumina and Aluminum	109	4	90	0	W	W	0	W	0	0
331314	Secondary Smelting and Alloying of Aluminum	40	0	33	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	23	W	19	0	W	W	0	W	0	0
331316	Aluminum Extruded Products	22	0	19	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	168	W	121	0	W	0	0	0	0	0
3315	Foundries	372	33	266	7	7	0	0	19	0	0
331511	Iron Foundries	185	13	143	W	4	0	0	12	0	0
331521	Aluminum Die-Casting Foundries	5	3	3	0	3	0	0	W	0	0
331524	Aluminum Foundries, except Die-Casting	47	Q	31	4	0	0	0	W	0	0
332	Fabricated Metal Products	3,298	Q	2,318	Q	Q	W	0	W	0	0
333	Machinery	1,707	Q	925	W	Q	0	0	Q	0	0
334	Computer and Electronic Products	541	Q	342	Q	5	0	0	0	0	W
334413	Semiconductors and Related Devices	104	8	92	W	5	0	0	0	0	W
335	Electrical Equip., Appliances, and Components	299	0	210	0	0	0	0	0	0	0
336	Transportation Equipment	1,096	Q	767	W	Q	W	0	W	0	W
336111	Automobiles	23	0	16	0	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	25	0	19	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	70	9	56	0	Q	W	0	W	0	W
336411	Aircraft	24	3	21	0	W	W	0	W	0	W
337	Furniture and Related Products	879	Q	645	Q	W	W	0	Q	0	W
339	Miscellaneous	704	W	358	0	0	0	0	W	0	0
	Total	22,239	2,120	15,376	824	974	324	13	816	0	59

(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 distillate fuel oil during 2006. The quantities are expressed in thousands of barrels, and therefore represent the quantity of distillate fuel oil that could have been displaced by the given alternative type of energy.

(d) 'Total Consumed' represents those quantities (Total Inputs) of distillate fuel oil 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 distillate fuel oil.

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.'