Released: June 2010 Next MECS will be conducted in 2010 Table 10.25 Reasons that Made Residual Fuel Oil Unswitchable, 2006; keasons that Made Residual Fuel Oil Unswitchable, 200 Level: National Data; Row: NAICS Codes; Column: Reasons that Made Quantity Unswitchable; Unit: Million barrels.

NAICS Code(a)	Subsector and Industry	Total Amount of Residual Fuel Oil Consumed as a Fue	Total Amount of Inswitchable Residua Fuel Oil Fuel Use		Adversely Affects				Unavailable Storage for Anothe ternative Fuels(d Reaso	Combinations o er Columns F, G, n H, I, J, and K	
Total United States											
311	Food	4,124	454	280	16	27	35	0	0	D	0 Q
3112	Grain and Oilseed Milling	260	45		16		0		0	D (0 0
311221	Wet Corn Milling	27	27		C		0		0	0 0	0 0
31131	Sugar Manufacturing	1,359	48		C		0				0 0
3114	Fruit and Vegetable Preserving and Specialty Foods	393	27		C	27	0			-	0 0
3115	Dairy Products	209	Q		C	-	0			-	0 0
3116	Animal Slaughtering and Processing	539	172		0		35				0 Q
312	Beverage and Tobacco Products	431	107		0		0		-		0 1
3121	Beverages	290	58		0		0			-	0 0
3122	Tobacco	141	49		C		0			-	0 1
313	Textile Mills	396	228		0	~~~~	0				0 54
314	Textile Product Mills	Q	Q		0	-	0				0 0
315	Apparel	Q	0		0		0				0 0
316	Leather and Allied Products	42	19		C		0				0 0
321	Wood Products	604	117		0	•	0				0 Q
321113	Sawmills	58	58		0		0			-	0 Q
3212	Veneer, Plywood, and Engineered Woods	64	59		C		0			-	0 0
3219	Other Wood Products	Q	0		C		0		0	-	0 0
322	Paper	14,528	8,539	6,873	189	417	492			0 14	
322110	Pulp Mills	1,796	1,131		C		58				0 0
322121	Paper Mills, except Newsprint	7,521	5,290	4,449	C	0	434	0	0	D :	5 402
322122	Newsprint Mills	373	307		C		0				0 0
322130	Paperboard Mills	4,555	1,779		189		0			0 13	
323	Printing and Related Support	Q	Q		0		0			-	0 Q
324	Petroleum and Coal Products	9,198	903		0		88			-	0 0
324110	Petroleum Refineries	8,292	903		0		88			-	0 0
324199	Other Petroleum and Coal Products	0	0		0		0				0 0
325	Chemicals	3,733	1,468		C	-	474			-	0 27
325110	Petrochemicals	732	593		0	-	0			-	0 0
325120	Industrial Gases	0	0		0		0				0 0
325181	Alkalies and Chlorine	0	0		0	-	0		-		0 0
325182	Carbon Black	72	0		C		0			-	0 0
325188	Other Basic Inorganic Chemicals	1,406	622		C		474				0 0
325192	Cyclic Crudes and Intermediates	93	8		0	•	0		-		0 0
325193	Ethyl Alcohol	0	0		0	-	0			-	0 0
325199	Other Basic Organic Chemicals	254	59		0		0			-	0 27
325211	Plastics Materials and Resins	58	0		C		0				0 0
325212	Synthetic Rubber	5	0	-	0	-	0		0	0 0	0 0
325222	Noncellulosic Organic Fibers	434	0	-	0		0			-	0 0
325311	Nitrogenous Fertilizers	0	0		0	-	0				0 0
325312	Phosphatic Fertilizers	39	39		0	-	0			-	0 0
3254	Pharmaceuticals and Medicines	173	128		C		0			-	0 0
325412	Pharmaceutical Preparation	173	128		C		0				0 0
325992	Photographic Film, Paper, Plate, and Chemicals	21	18		C		0			-	0 0
326	Plastics and Rubber Products	1,414	Q		C		0				0 0
327	Nonmetallic Mineral Products	513	129		C		0			D 8	
327211	Flat Glass	218	0		C		0			-	0 0
327212	Other Pressed and Blown Glass and Glassware	0	0	-	C		0			-	0 0
327213	Glass Containers	0	0	-	C		0				0 0
327215	Glass Products from Purchased Glass	0	0	0	C	0	0	0	0	D (0 0
327310	Cements	156	98	0	C	0	0		0	D 8	1 17
327410	Lime	60	0	0	C	0	0		0	D (0 0
327420	Gypsum	*	0	0	C	0	0	0	0	D (0 0
327993	Mineral Wool	0	0		C	-	0				0 0
331	Primary Metals	3,097	545	15	530	0	0	0	0	D (0 0

Reasons that Made Residual Fuel Oil Unswitchable

Released: June 2010

Next MECS will be conducted in 2010

Table 10.25 Reasons that Made Residual Fuel Oil Unswitchable. 2006: Level: National Data; Row: NAICS Codes; Column: Reasons that Made Quantity Unswitchable; Unit: Million barrels.

		Total Amount of		Equipment is No		Unavailable		Long-Term	Unavailable		Combinations of	
NAICS Code(a)	Subsector and Industry		Unswitchable Residua Fuel Oil Fuel Use	Capable of Using Another Fuel					Storage for A ternative Fuels(d l		Columns F, G,	Don't Know
Coue(a)	Subsector and industry	Sonsumeu as a rue	Fuel Oli Fuel Ose	Another Fuer	the Flouucis	Fuel Supply	Restrictions(b)	III Flace(c)4	ternative Fuels(u	reason	п, I, J, ани к	Don't Know
331111	Iron and Steel Mills	3,042	539	10	530	0	0	0	0	0	0	0
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	0	0	0	0	0	0	0	0	0	0	0
3313	Alumina and Aluminum	43	0	0	0	0	0	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	18	0	0	0	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0	0	0	0	0	0	0	0	0
331316	Aluminum Extruded Products	4	0	0	0	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	10	3	3	0	0	0	0	0	0	0	0
3315	Foundries	Q	Q	Q	0	0	0	0	0	0	0	0
331511	Iron Foundries	*	0	0	0	0	0	0	0	0	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	Q	Q	Q	0	0	0	0	0	0	0	0
332	Fabricated Metal Products	Q	Q	Q	0	0	0	0	0	0	0	9
333	Machinery	Q	0	0	0	0	0	0	0	0	0	0
334	Computer and Electronic Products	58	Q	Q	0	0	0	0	0	0	0	0
334413	Semiconductors and Related Devices	4	4	4	0	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0	0	0	0	0	0	0	0	0
336	Transportation Equipment	1,038	194	192	0	1	•	0	•	0	0	Q
336111	Automobiles	27	20	20	0	0	0	0	•	0	0	0
336112	Light Trucks and Utility Vehicles	6	0	0	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	490	106	104	0	1	0	0	0	0	0	Q
336411	Aircraft	1	1	0	0	1	0	0	0	0	0	0
337	Furniture and Related Products	Q	•	•	0	0	0	0	0	0	0	0
339	Miscellaneous	Q	•	•	0	0	0	0	0	0	0	0
	Total	39,925	13,283	9,840	734	589	1,089	128	12	0	222	668

Reasons that Made Residual Fuel Oil Unswitchable

(a) The Bureau of the Census classifies establishments using the North American

 (a) The Duration and Control of the Co the usable alternative fuel that could be used instead.

(c) Long-term contracts are typically with a utility or third-party supplier

such as an energy broker and requires the purchase of a fuel for an extended amount of time.

(d) The storage of usable alternative fuels is not available due to the potential environmental impact of storage tanks.

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. Establishment percents may not equal 100 percent because of unknown and/or unreported fuel-switching guesstimate.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy Consumption Division, Form EIA-846, '2006 Manufacturing Energy Consumption Survey.'