### Table 1.1First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

International and the set of the	CS e(a)	Subsector and Industry	Total(b) (trillion Btu)	Net Electricity(c) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(d) (million bbl)	Natural Gas(e) (billion cu ft)	LPG and NGL(f) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(g) (trillion Btu)	Shipments of Energy Sources Produced Onsite(h) (trillion Btu)
3111Can and Dates Milling38516.473··			Total United States									
3112Clais and Dises Mining3856.9.78·118QE1111Version Mining207.047··10··10··10··10·10·10·10·10·10·10·10·10·10·10·10 <t< td=""><td></td><td>Food</td><td>1,162</td><td>75,407</td><td>2</td><td>4</td><td>567</td><td>2</td><td>8</td><td>*</td><td>96</td><td>*</td></t<>		Food	1,162	75,407	2	4	567	2	8	*	96	*
M114Guar Manufacium (march Specier Processing (march Specier Processing)101	2				*	*			6	0	47	*
111Fut and Vegatable Processing and Specially Funders1609.2009.79.79.79.7113Prive Stand Prive Processing102.218112.7 <t< td=""><td></td><td></td><td></td><td></td><td>*</td><td>*</td><td></td><td>*</td><td>5</td><td>0</td><td>26</td><td></td></t<>					*	*		*	5	0	26	
3116JuneJune1009.566 <td></td> <td></td> <td></td> <td></td> <td>*</td> <td></td> <td></td> <td>*</td> <td>2</td> <td>*</td> <td>36</td> <td>0</td>					*			*	2	*	36	0
3116Animal Shangharing and Photoseng20020.13811222132Tending and Photose Photose707003400133Tending Product Multic707003400134Tending Product Multic202.44300000134Tending Product Multic202.44300 <t< td=""><td></td><td></td><td></td><td></td><td>*</td><td>Q</td><td></td><td>*</td><td>*</td><td>0</td><td>4</td><td>0</td></t<>					*	Q		*	*	0	4	0
312 12 12 13Beweings and Toxicos Productis688677<		•			1	1		*	*	0	1	0
3121       Benergins       76       7.47       -       -       333       -       -         3131       Teache hile       66       13.40       -       -       334       -       -         3141       Teache hile       66       13.40       -	0				*	*		*	*	0	5	0
313textle kills513 </td <td>1</td> <td></td> <td></td> <td></td> <td>*</td> <td>*</td> <td></td> <td>*</td> <td>*</td> <td>0</td> <td>5</td> <td>0</td>	1				*	*		*	*	0	5	0
314institinstit202.489132Latter and Aliar Products22.468-10000331Marter and Aliar Products22.448-00<	2				*	*	4	*	*	0	*	0
315Appare61.2e7276321Wood Products7715.32-444<					*					0	7	0
316Lashle and Alian Producing2441032111Vesce, Physical, and Engineered Woods234.6.370030032112Vesce, Physical, and Engineered Woods234.6.3700			20		*	*	9	*	*	0	*	0
3211Wood Products473473473473473473474			6		0	*	2	*	0	0	*	0
32111SummileSign <t< td=""><td></td><td></td><td>2</td><td></td><td>*</td><td>Â</td><td>1</td><td>1</td><td>0</td><td>0</td><td>257</td><td>0</td></t<>			2		*	Â	1	1	0	0	257	0
3212Venore, Plyword, and Engineered Words1836,374-+19×-3210Other Wood ProductsA84,62-1832110Products2,0060,4076110016-32121Products2,0060,407613032121Products2,0141,462-16732121Products8,1711,160167	1113				*	4		l *	0	0	357 195	
32121Reconstituted Wood Products834,052-114322Paper2,10900,40761300103211Pape Mills2,4090,4076130010321211Pape Mills2,8091,11,69-1,81,482187,70333332121Pape Mills1,11,691,81,482187,70333 <td></td> <td></td> <td></td> <td></td> <td>*</td> <td>*</td> <td>S S</td> <td>*</td> <td>*</td> <td>0</td> <td>138</td> <td></td>					*	*	S S	*	*	0	138	
322PaperPaper2,10900,497013001932212Negort Mils, coopt Menspint62118,1462-167-532121Negort Mils, coopt Menspint62118,1462-133-5322121Negort Mils, coopt Menspint62517,2192-141-33-3232Printeriour and Coal Products61,3747,0143480276 </td <td></td> <td></td> <td></td> <td></td> <td>*</td> <td>*</td> <td></td> <td>*</td> <td>*</td> <td>0</td> <td>52</td> <td></td>					*	*		*	*	0	52	
32210       Page Miles       249       2.032       1       -       169       -         32212       Page Miles       101       11.160       -       -       3       -       1         322120       Page Holes Miles       826       17.219       2       -       1.411       -       3         32310       Page Holes       6.17       4.704       3       4       862       7       2       33       -       0         33411       Patcheam Related Support       6.17       4.704       3       4       862       7       6         33411       Patcheam Related Support       6.97       4.488       2       2       833       -       -         324199       Other Patcheam and Coal Products       1       2.92       609       10       -	9	Other Wood Products	48	4,162	*	1	8	*	*	0	20	
32.121Paper Mills scorpt Navspirt82111,43 </td <td></td> <td>•</td> <td></td> <td></td> <td>6</td> <td>1</td> <td></td> <td>1</td> <td>9</td> <td>*</td> <td>1,250</td> <td></td>		•			6	1		1	9	*	1,250	
32212       Newgoint Mis       11,160       -       4       3       -       1         32310       Penting and Related Support       84       13,704       -       33       -       0         324       Petrideum And Call Products       6,137       47,014       3       4       82       2       335       7       -         32411       Petrideum and Call Products       5,92       44,882       2       2       335       7       -         324121       Asphalt Paring Mixture and Block true and Block       10,088       1       2       35       -		•			1	*		*	*	0	214	
3221Pinorhoad Miles12,112,114,113324Pertoleum and Coal Products6,1347,014344827632410Petroleum and Coal Products6,1347,0143498276324110Petroleum and Coal Products701,088123876324121Aphal Paring Mixture and Block701,08812,1925690324191Other Petroleum and Coal Products4,96513,932162,1925690325101Petrohemical GasesW19,405042200325121Jakales and Choine82,4730400 <td></td> <td></td> <td></td> <td></td> <td>2</td> <td>*</td> <td></td> <td>*</td> <td>5</td> <td>0</td> <td>457</td> <td></td>					2	*		*	5	0	457	
323Printing and Related Support8413,74-33-63244Petroleum Relinencies5,2244,802228,3576324121Asphalt Paving Muxtue and Block7010,868228,3576324121Asphalt Paving Muxtue and Block1234,2228,35763324121Asphalt Paving Muxtue and Block1231,9324512,12256910335121Industrial Gases866,543WWW2,310033<					2	*		*	1	0	35 540	
3241 32410Petroleum Anilonia6,134,74348927633410Opticulum Rainionia7,001,081238333419Other Petroleum Callen Codu Poducts1,213,82 <td>2150</td> <td>•</td> <td></td> <td></td> <td>*</td> <td>*</td> <td></td> <td>*</td> <td>0</td> <td>0</td> <td></td> <td></td>	2150	•			*	*		*	0	0		
33410 33412Petroleum and Coal Products and Block56633412Asphalt Paving Mutros and Block13325533419Other Petroleum and Coal Products139255335110Petrochemicals4995131.9321512.1225691012305335120Inclustrial GasesW19.4010-W2310335181Attailes and Chlorine88234W-W200335182Charbe Black2392.473222W0335182Charbe Black1307.3920-2.426-1335182Charbe Black1307.3920-2.426-1335182Charbe Black1319.6862.426-1335182Charbe Black1319.6862.426-1-335182Charbe Black Madrials and ResinsW19.6062.426335182Charbe Black Madrials and ResinsW19.6062.426 </td <td></td> <td></td> <td></td> <td></td> <td>3</td> <td>4</td> <td></td> <td>7</td> <td>6</td> <td>2</td> <td>4,946</td> <td>121</td>					3	4		7	6	2	4,946	121
324Oher Patrolum and Cal Products123-22-2-15556325Ohermais4.995131.9321512.190032512Industrial GasesW19.40102.2100325131Akalies and ChroineW19.40102.210325142Caton BlackW19.4050W4.90502.210325182Caton Black2382.47.30*4.22.4700	4110			,	2	2	835	7	*	0	4,859	
325Demicals4,98513,3321512,1925691032510Industrial Gases8606,543W912220325181Kalaisa and ChoineW19,4010122202325182Carbon BlackW9,4050W4002220325182Carbon Black2392,4,730C62W00220022002200220022002200220022002200022000<	4121		70	1,068	1	2	38	*	*	0	g	0
32510Petrodemicals8606.543W·W231032512Industrial GasesW19.4010W2302232518Atkaies and ChorineW9.4050WW2232518Dher Basic Inorganic Chemicals2924,730·WW03325193Cyclic Crudes and Intermediates982.673·22W03325193Other Basic Inorganic Chemicals11519.606·45913333325219Uther Basic Organic ChemicalsW19.606·45913333325212Synthetic Rubber11.519.608··45913333325212Synthetic Rubber411.6450·15··-33<	4199				*	*	5	*	5	2	77	
325120Industrial GasesW19,4010*122*0325180Kalales and ChomicaW9,4050W*02325182Carbon Black88234W*W*0325183Chther Basic Inorganic Chemicals23924,730*62*1325192Cyclic Crudes and Intermediates982,673*226*1325193Ethyl Alcohol3107,3920*246*1325191Other Basic Organic Chemicals1119,606**31013033325212Noncellulosic Organic Fibers411,6450*310190132522Noncellulosic Organic Fibers411,6450*344*0325193Nitrogenous FertilizersW3,388***40*325141Phamaceuticals and Medicines929,170**48*** <td></td> <td></td> <td></td> <td></td> <td>15</td> <td>1</td> <td></td> <td></td> <td>10</td> <td>*</td> <td>498</td> <td></td>					15	1			10	*	498	
325181 325182Alkalies and ChlorineWHerHer2325182Carbon Black88234WWG200325182Opplic Chudes and Intermediates982,673CG2W0325193Ethy Alkoho3107,392G263133325193Other Basic Organic Chemicals11619,608C30033 <td< td=""><td></td><td></td><td>860</td><td></td><td>W</td><td>*</td><td></td><td>231</td><td>0</td><td>0</td><td>155</td><td>385 W</td></td<>			860		W	*		231	0	0	155	385 W
325182Carbon BlackCarbon BlackWWWWWMO325182Oyclic Crudes and Intermediates33924,730*6262W0325193Ethyl Acohol3107,3920*246*1325193Other Basic Organic Chemicals3107,3920*246*1325193Other Basic Organic Chemicals11,519,608**31033325211Plastics Materials and ResinsW19,606**3101***					0	*		*	0	0	ت 17	VV 0
325188Other Basic Inorganic Chemicalts32924,730***62*1325193Ethy Alcohol3107,3920246*1325194Other Basic Organic Chemicalts and Resins1,1519,608*4594591333325212Isatics Materialts and ResinsW19,606*4501504545325212Synthetic Rubber411,6450*12***325212Noncellulosic Organic Fibers422,791**450*45325312Nitrogenous FinlizersW3,383**34*0*4532542Phostact FertilizersW3,281*** </td <td></td> <td></td> <td>88</td> <td></td> <td>Ŵ</td> <td>*</td> <td></td> <td>*</td> <td>0</td> <td>0</td> <td>*</td> <td>0</td>			88		Ŵ	*		*	0	0	*	0
325192       Cyclic Crudes and Intermediates       98       2,673       -*       22       W       0         325193       Ethyl Alcohol       310       7,392       0       -*       246       -*       1         325193       Other Basic Organic Chemicals       11,51       9,608       -*       310       190       1         325212       Synthetic Rubber       W       19,606       -*       310       190       1         325212       Synthetic Rubber       41       1,645       0       -*       21       -*       -*         325212       Noncellulosic Organic Fibres       42       2,791       -*       -       344       -       0         325312       Noncellulosic Organic Ferlitzers       W       3,388       -*       -*       344       -       0         32541       Pharmaceutical Preparation       92       9,170       -*       48       -*       -*         32542       Pharmaceutical Preparation       51       5,619       -*       23       -*       -*         3269       Plastics and Rubber Products       275       45,797       -*       101       1       -*         327121					*	*		*	1	*	66	*
325199Other Basic Organic Chemicals1,1519,608···4591333325212Plastics Materials and ResinsW19,606 <td·< td="">·3101001325212Synthetic Rubber411,645O·21··325222Noncellulosic Organic Fibers422,791··15··325311Nitrogenous FertilizersW3,388···W0·325312Phosphatic FertilizersW1,251·WW··<td></td><td>-</td><td></td><td></td><td>*</td><td>*</td><td></td><td>W</td><td>0</td><td>0</td><td>W</td><td>*</td></td·<>		-			*	*		W	0	0	W	*
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325212Synthetic Rubber411,6450•21••325222Nocellulosic Organic Fibers422,791••15••325311Nitrogenous FartilizersW3,388•••344•0325312Phosphatic FertilizersW1,251••W••••325412Pharmaceuticals and Medicines929,170••48•••32542Pharmaceutical Preparation515,619••48••• <td></td> <td></td> <td>1,151</td> <td></td> <td>*</td> <td>*</td> <td></td> <td></td> <td>3</td> <td>0</td> <td>128</td> <td></td>			1,151		*	*			3	0	128	
325222Noncellulosic Organic Fibers422,791••15••325311Nitrogenous FertilizersW3,388••344•032542Phosphatic FertilizersW1,251•W•••3254Pharmaceuticals and Medicines929,170••48••325412Phosmaceutical Preparation515,619••6•••32592Photographic Film, Paper, Plate, and Chemicals201,377••6••• <t< td=""><td></td><td></td><td>W 11</td><td></td><td>*</td><td>*</td><td></td><td>190</td><td>1</td><td>*</td><td>35</td><td>W</td></t<>			W 11		*	*		190	1	*	35	W
325311Nitrogenous FertilizersW3,388···344·0325312Phosphatic FertilizersW1,251··W···3254Pharmaceuticals and Medicines929,170··48···325412Pharmaceutical Preparation515,619··48···32592Photographic Film, Paper, Plate, and Chemicals201,377··6···326Plastics and Rubber Products27545,797··1011··327Nometallic Mineral Products71632,576··42266110··· <t< td=""><td></td><td>•</td><td>41</td><td></td><td>0</td><td>*</td><td></td><td>*</td><td>*</td><td>0</td><td>8</td><td>0</td></t<>		•	41		0	*		*	*	0	8	0
325312Phosphatic FertilizersW1,251**W***3254Pharmaceuticals and Medicines929,170*48**325412Pharmaceutical Preparation515,619*23**32592Photographic Film, Paper, Plate, and Chemicals201,377**10*326Plastics and Rubber Products27545,797**1011*327Normetallic Mineral Products71632,576*4266110327121Bick and Structural Clay Tile21576*4266110327212Other Pressed and Blown Glass and Glassware372,5630*270*327213Glass Containers593,6040*4500*0327215Glass Products from Purchased Glass142,6620*56426610327215Glass Products from Purchased Glass142,6620*450*33		•	τ <u>ε</u> W		*	*		*	0	0	3	W
3254Pharmaceuticals and Medicines929,170**48***3254/2Pharmaceutical Preparation515,619*23***32592Photographic Film, Paper, Plate, and Chemicals201,377**6**326Plastics and Rubber Products27545,797**1011*327Nometallic Mineral Products71632,767*466***327121Brick and Structural Clay Tile21576*466***327212Other Pressed and Blown Glass and Glassware372,5630*42*0327213Glass Containers593,6040*450*0327215Glass Products from Purchased Glass142,6420*450*032713Glass Products from Purchased Glass142,6420*450*0327140Liments2469,205*13*36			W		*	*		*	*	0	*	0
325992Photographic Film, Paper, Plate, and Chemicals201,377**6***326Plastics and Rubber Products27545,797**1011*327Normetallic Mineral Products71632,576*4266110327121Brick and Structural Clay Tile21576*4266110327212Flat Glass541,660*42**327213Other Pressed and Blown Glass and Glassware372,5630*42*0327215Glass Containers593,6040*450*0327215Glass Products from Purchased Glass142,6420*5*6327310Ements2469,205*13*6327410Lime1011,502*13*3	4		92		*	*	48	*	*	0	7	0
326Plastics and Rubber Products27545,797**1011*327Nonmetallic Mineral Products71632,576*4266110327121Brick and Structural Clay Tile21576**16**327211Flat Glass541,6600*42**327212Other Pressed and Blown Glass and Glassware372,5630*27*0327213Glass Containers593,6040*45*0327215Glass Products from Purchased Glass142,6420*5**327310Cements2469,205**12*6327410Lime1011,502*13*3		· · · · · · · · · · · · · · · · · · ·			*	*	23	*	*	0	4	0
327Normetallic Mineral Products71632,576*4266110327121Brick and Structural Clay Tile21576**16**327211Flat Glass541,6600*42**327212Other Pressed and Blown Glass and Glassware372,5630*27*0327213Glass Containers593,6040*45*0327215Glass Products from Purchased Glass142,6420*5**327310Cements2469,205**12*6327410Lime1011,502*13*3	5992	• • •			*	*	6	*	*	0	*	0
327121Brick and Structural Clay Tile21576**16**32721Flat GlassFlat Glass541,6600*42**327212Other Pressed and Blown Glass and Glassware372,5630*27*0327213Glass Containers593,6040*45*0327215Glass Products from Purchased Glass142,6420*5**327310Cements2469,205**12*6327410Lime1011,502*13*3					*	*		1	*	0	C) ac	0
327211Flat Glassflat Glass42**327212Other Pressed and Blown Glass and Glassware372,5630*27*0327213Glass Containers593,6040*45*0327215Glass Products from Purchased Glass142,6420*5**6327310Cements2469,205*13*66327410Lime1011,502*13*3	7121				*	4		۱ *	10	0	80	0
327212Other Pressed and Blown Glass and Glassware372,5630*27*0327213Glass Containers593,6040*45*0327215Glass Products from Purchased Glass142,6420*5**327310Cements2469,205**12*6327410Lime1011,502*13*3					0	*		*	*	0	5	0
327213Glass Containers593,6040*45*0327215Glass Products from Purchased Glass142,6420*5**327310Cements2469,205**12*6327410Lime1011,502*13*3					0	*		*	0	0	G	0
327215       Glass Products from Purchased Glass       14       2,642       0       *       5       *       *         327310       Cements       246       9,205       *       12       *       6         327410       Lime       101       1,502       *       1       3       *       3			-		0	*		*	0	0	*	0
327410 Lime 101 1,502 * 1 3 * 3			14		0	*	5	*	*	0	*	0
					*	*	12	*	6	*	60	0
$32/420$ $3284$ $^{\circ}$ $384$ $^{\circ}$ $0$			101		÷	1	3	* *	3	*	g	0
32793     Mineral Wool     39     3,419     0     *     24     *     0			44		<u>^</u>	*		*	0	0	<del>ہ</del> اد	0
327993     Mineral Wool     24     0       331     Primary Metals     1,608     117,284     *     2     550     1     16	1993				U *	2		1	16	13	92	133
331111     Iron and Steel Mills     1,065     50,360     *     16	1111	•			*	1		*	16	13	35	
331112 Electrometallurgical Ferroalloy Products 21 3,158 0 * 1 * *					0	*	· 1	*	*	*	1	0
3312Steel Products from Purchased Steel485,270**19**	2	Steel Products from Purchased Steel	48	5,270	*	*		*	*	*	10	0
3313       Alumina and Aluminum       237       34,041       *       99       *       0	3			34,041	*	*		*	0	0	16	*
331314 Secondary Smelting and Alloying of Aluminum 24 2,638 * * 14 * 0					*	*		*	0	0	* -	0
331315       Aluminum Sheet, Plate and Foils       56       4,134       0       *       39       *       0	1315	Aluminum Sheet, Plate and Foils	56	4,134	0	*	39	*	0	0	2	*

### Released: March 2013

Next MECS will be fielded in 2015

### Table 1.1First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

NAICS Code(a)	Subsector and Industry	Total(b) (trillion Btu)	Net Electricity(c) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(d) (million bbl)	Natural Gas(e) (billion cu ft)	LPG and NGL(f) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(g) (trillion Btu)	Shipments of Energy Sources Produced Onsite(h) (trillion Btu)
331316	Aluminum Extruded Products	17	1,411	0	*	12	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	137	13,301	*	*	50	*	*	*	29	
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	62	7,341	0	*	12	*	*	*	21	0
3315 331511	Foundries Iron Foundries	100 48	11,154 5,675	0	*	45 14	*	*	1	*	*
331521	Aluminum Die-Casting Foundries	16	1,285	0	*	11	*	0	0	*	0
331524	Aluminum Foundries, except Die-Casting	11	857	*	*	8	*	0	0	*	0
332	Fabricated Metal Products	302	37,206	*	*	159	1	*	*	Q	0
333 334	Machinery Computer and Electronic Products	149 145	20,386 29,503	*	1	70 41	1	0	0	1	0
334413	Semiconductors and Related Devices	58	10,808	*	*	19	*	0	0	1	0
335	Electrical Equip., Appliances, and Components	94	10,689	*	*	35	*	*	*	Q	Q
336	Transportation Equipment	279	38,832	*	*	125	1	*	0	6	0
336111 336112	Automobiles Light Trucks and Utility Vehicles	28 38	3,027 3,620	0	*	15 22	*	*	0	1	0
3364	Aerospace Product and Parts	69	9,501	*	*	30	*	*	0	3	0
336411	Aircraft	19	2,630	*	*	9	*	0	0	*	0
337	Furniture and Related Products	37	4,960	0	*	13	*	*	0	5	0
339	Miscellaneous Total	43 18,817	7,598 714,166	* 27	23	16 5,564	* 587	* 60	0 15	* 7,381	0 788
		rtheast Census Regi		21	23	5,504	567	00	15	7,301	700
		nineast Gensus Regi									
311	Food	89	7,147	1	1	54	*	*	0	1	0
3112	Grain and Oilseed Milling	3	434	*	*	2	*	0	0	*	0
311221	Wet Corn Milling	*	5	*	0	0	*	0	0	0	0
31131 3114	Sugar Manufacturing Fruit and Vegetable Preserving and Specialty Foods	13	211 972	*	*	7	*	*	0	*	0
3115	Dairy Products	14	1,172	*	*	8	*	0	0	*	0
3116	Animal Slaughtering and Processing	8	857	*	*	4	*	0	0	*	0
312	Beverage and Tobacco Products	11	1,247	*	*	6	*	0	0	Q	0
3121 3122	Beverages Tobacco	11	1,217 30	*	*	5 *	*	0	0	Q *	0
313	Textile Mills	8	550	*	*	5	*	0	0	*	0
314	Textile Product Mills	Q	Q	0	*	Q	*	*	0	*	0
315	Apparel	*	Q	0	0	*	0	0	0	0	0
316 321	Leather and Allied Products Wood Products	^ 87	50 1,010	*	*	^ 2	*	0	0	^ 80	0
321113	Sawmills	5	332	*	*	*	*	0	0	3	0
3212	Veneer, Plywood, and Engineered Woods	75	240	0	*	*	*	*	0	74	0
321219	Reconstituted Wood Products	18	161	0	*	*	*	0	0	17	0
3219	Other Wood Products	5	486	*	*	1	*	*	0	2	0
322 322110	Paper Pulp Mills	247 W	4,907 432	∠ *	*	69 1	*	1	0	127 W	
322121	Paper Mills, except Newsprint	165	543	1	*	50	*	1	0	86	0
322122	Newsprint Mills	W	880	*	*	0	*	0	0	W	0
322130	Paperboard Mills	25	1,486	*	*	11	*	0	0	7	0
323 324	Printing and Related Support Petroleum and Coal Products	16 445	2,447 4,413	* 1	* 2	б 41	3	0 *	U *	358	0 3
324110	Petroleum Refineries	443	4,032	1	1	30	3	*	0	355	
324121	Asphalt Paving Mixture and Block	19	257	*	1	9	*	0	0	2	0
324199	Other Petroleum and Coal Products	2	35	0	*	1	*	*	*	*	3
325 325110	Chemicals Petrochemicals	154	12,122 17	*	*	69 *	2	1	*	14	2
325110	Industrial Gases	10	2,592	0	*	*	*	0	0	2	1
325181	Alkalies and Chlorine	8	1,468	0	*	*	*	0	0	2	0
325182	Carbon Black	*	5	0	0	*	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	8	838	*	*	4	*	0	0	*	0
325192 325193	Cyclic Crudes and Intermediates Ethyl Alcohol	6	160 69	*	*	5	*	0	0	*	*
325193	Other Basic Organic Chemicals	2 22	69 667	0	*	∠ 13	W	0	0	W	0
325211	Plastics Materials and Resins	16	1,023	0	*	5	W	0	0	Ŵ	1
325212	Synthetic Rubber	*	40	0	0	*	*	0	0	0	0
325222	Noncellulosic Organic Fibers	*	26	0	*	0	*	0	0	*	0
325311 325312	Nitrogenous Fertilizers Phosphatic Fertilizers	1	26 1	* ∩	*	*	*	0	0	*	0
525512			I.	U				U	0		U

# Table 1.1First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

NAICS Code(a)	Subsector and Industry	Total(b) (trillion Btu)	Net Electricity(c) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(d) (million bbl)	Natural Gas(e) (billion cu ft)	LPG and NGL(f) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(g) (trillion Btu)	Shipments of Energy Sources Produced Onsite(h) (trillion Btu)
3254	Pharmaceuticals and Medicines	31	2,450	*	*	21	*	0	0		1 0
325412	Pharmaceutical Preparation	13	1,188	*	*	9	*	0	0		* 0
325992 326	Photographic Film, Paper, Plate, and Chemicals Plastics and Rubber Products	16 21	873 2,679	*	*	4	*	*	0		* 0
320	Nonmetallic Mineral Products	92	4,133	*	1	37	*	1	*	1.	1 0
327121	Brick and Structural Clay Tile	2	44	0	*	1	*	*	0		* 0
327211	Flat Glass	14	315	0	*	8	*	*	0	ę	5 0
327212	Other Pressed and Blown Glass and Glassware	8	565	0	*	6	*	0	0		* 0
327213 327215	Glass Containers Glass Products from Purchased Glass	10	587 394	0	*	8	*	*	0		* 0
327310		28	1,016	*	*	*	*	1	*	ł	5 0
327410		5	69	0	*	0	*	*	0		1 0
327420	Gypsum	7	432	*	*	5	*	0	0		* 0
327993	Mineral Wool	4	226	0	*	3	*	0	0		* 0
331 331111	Primary Metals Iron and Steel Mills	179 110	12,979 5,795	0	*	66 36	*	5	*	14	4 66 5 66
331112	Electrometallurgical Ferroalloy Products	3	537	0	*	*	*	*	*	``	* 0
3312	Steel Products from Purchased Steel	10	800	*	*	4	*	0	*		3 0
3313	Alumina and Aluminum	20	2,992	*	*	9	*	0	0		1 0
331314	Secondary Smelting and Alloying of Aluminum	9	2,110	*	*	2	*	0	0		* 0
331315 331316	Aluminum Sheet, Plate and Foils Aluminum Extruded Products	( /	463 394	0	*	5	*	0	0		^ U
331310	Nonferrous Metals, except Aluminum	4 27	1,883	*	*	12	*	*	*	6	5 O
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	1	149	0	*	*	*	*	0		* 0
3315	Foundries	8	972	*	*	4	*	*	*		* 0
331511	Iron Foundries	3	427	0	*	1	*	*	*		* 0
331521	Aluminum Die-Casting Foundries	1	75	0	0	1	*	0	0		* 0
331524 332	Aluminum Foundries, except Die-Casting Fabricated Metal Products	43	63 4,526	*	*	24	*	0	0		* 0
333	Machinery	21	3,323	0	*	9	*	0	0	C	Q 0
	Computer and Electronic Products	25	5,236	*	*	7	*	0	0		* 0
334413	Semiconductors and Related Devices	10	1,959	*	*	3	*	0	0		* 0
335	Electrical Equip., Appliances, and Components	15	1,804	*	*	6	*	0	*		1 0
336 336111	Transportation Equipment Automobiles	26 *	2,861 1	0	0	*	*	0	0		I U * 0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0	(	0
3364	Aerospace Product and Parts	12	902	*	*	7	*	0	0		1 0
336411	Aircraft	5	307	*	*	3	*	0	0		* 0
	Furniture and Related Products	5	707	0	*	2	*	0	0		* 0
339	Miscellaneous Total	13 1,502	1,847 74,309	0	^	6 430	5	0	0	608	^ 0 3 71
		1,502	74,309	5	4	430	5	0		000	
	Mid	dwest Census Regio	n								
311	Food	564	33,034	*	*	246	Q	7	*	43	3 *
3112	Grain and Oilseed Milling	278	11,550	*	*	83	Q	5	0	3	
311221	Wet Corn Milling	200	6,574	0	*	47	*	5	0	25	5 0
31131 3114	Sugar Manufacturing Fruit and Vegetable Preserving and Specialty Foods	37 26	558 2,204	*	*	5	*	*	*		* 0
3114	Dairy Products	20 41	3,305	*	*	25	*	*	0		1 0
3116	Animal Slaughtering and Processing	93	8,561	*	*	59	*	0	0	2	2 0
	Beverage and Tobacco Products	18	1,369	*	*	8	*	*	0		* 0
3121	Beverages	18	1,354	*	*	8	*	*	0		* 0
3122 313	Tobacco Textile Mills	*	15 394	0	0 *	* 1	*	0	0	(	J U
313	Textile Product Mills	0 0	394 Q	0	0	۱ *	*	0	0		* 0
315	Apparel	*	Q	0	0	*	0	0	0	(	0
316	Leather and Allied Products	1	90	0	*	1	*	0	0		* 0
321	Wood Products	52	2,468	*	1	7	*	*	0	3	-
321113 3212	Sawmills Veneer, Plywood, and Engineered Woods	28 10	397 557	*	Q *	1	*	0	0	23	5 U 1 O
3212	Reconstituted Wood Products	7	340	*	*	2	*	*	0		- U 3 0
3219	Other Wood Products	14	1,472	0	*	3	*	0	0	4	4 0
322	Paper	292	15,068	*	*	85	*	3	0	94	
	Pulp Mills	W	281	0	*	1	*	0	0	W	
322121	Paper Mills, except Newsprint	190	6,885	~	^	38	^	2	0	83	o U

 Table 1.1
 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

NAICS Code(a)	Subsector and Industry	Total(b) (trillion Btu)	Net Electricity(c) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(d) (million bbl)	Natural Gas(e) (billion cu ft)	LPG and NGL(f) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(g) (trillion Btu)	Shipments of Energy Sources Produced Onsite(h) (trillion Btu)
322122	Newsprint Mills	W	1,345	0	*	*	*	*	0	W	0
322130	•	44	2,522	*	*	20	*	*	0	8	0
323 324	Printing and Related Support Petroleum and Coal Products	29 1,051	4,444 8,596	0	*	13 123	*	0	0	* 797	0
324 324110	Petroleum Refineries	914	8,101	*	*	123	*	4 0	2	797 776	
324121	Asphalt Paving Mixture and Block	16	259	*	*	9	*	*	0	Q	0
324199		112	-156	0	*	2	*	4	2	16	
325	Chemicals	W	34,431	1	*	381	29	3	*	100	W
325110 325120	Petrochemicals Industrial Gases	2	73 8,071	*	*	2	*	0	0	*	0
325120	Alkalies and Chlorine	W	1,086	0	*	S W	*	0	0	0	vv 0
325182		9	77	1	*	1	*	0	0	*	0
325188	Other Basic Inorganic Chemicals	64	1,389	0	*	13	*	0	0	45	0
325192	Cyclic Crudes and Intermediates	W	649	0	*	5	W	0	0	W	*
325193 325199	Ethyl Alcohol Other Basic Organic Chemicals	256 68	6,088 3,509	0	*	200 16	* W	1	0	3 W	0
325199	Plastics Materials and Resins	68 W	3,272	*	*	18 14	W	۱ *	*	W	W
325211		7	415	0	*	4	*	*	0	*	0
325222	Noncellulosic Organic Fibers	*	31	0	0	*	*	0	0	*	0
325311	Nitrogenous Fertilizers	W	1,273	0	*	73	*	0	0	3	W
325312	·	*	5	0	*	*	*	0	0	*	0
3254 325412	Pharmaceuticals and Medicines Pharmaceutical Preparation	28 19	2,802 2,182	0	*	12	*	*	0	2	0
325992	Photographic Film, Paper, Plate, and Chemicals	1	96	0	*	*	*	0	0	*	0
326	Plastics and Rubber Products	92	15,451	0	*	36	*	0	0	Q	0
327	Nonmetallic Mineral Products	212	8,939	*	1	69	*	3	*	39	0
327121	Brick and Structural Clay Tile	4	106	0	*	3	*	*	0	*	0
327211 327212	Flat Glass Other Pressed and Blown Glass and Glassware	16 0	495 493	0	*	14	*	0	0	*	0
327212		9 15	879	0	*	8 12	*	0	0	*	0
327215		5	968	0	*	1	*	0	0	*	0
327310		74	2,537	0	*	2	*	1	*	30	0
327410		45	489	*	*	2	*	1	*	8	0
327420 327993		9	228 1,521	0	*	7	*	0	0	*	0
331	Primary Metals	W	46,699	*	1	9 271	*	0 7	8	39	W
331111	Iron and Steel Mills	W	19,512	*	1	205	*	7	7	25	
331112		8	1,174	0	*	*	*	*	*	1	0
3312	Steel Products from Purchased Steel	21	1,507	0	*	9	*	0	*	7	0
3313	Alumina and Aluminum	73	13,265	0	*	22	*	0	0	5	0
331314 331315		16	184 1,226	0	*	6 10	*	0	0	2	0
331316		W	W	0	*	W	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	30	4,391	0	*	10	*	0	*	1	*
331419		13	2,891	0	*	2	*	0	*	*	0
3315	Foundries	60	6,849	0	*	26	*	÷	*	*	ب *
331511 331521	Iron Foundries Aluminum Die-Casting Foundries	31 10	3,879 863	0	*	8	*	0	n N	*	n N
331524	Aluminum Foundries, except Die-Casting	6	492	0	*	4	*	0	0	*	0
332	Fabricated Metal Products	141	16,345	0	*	80	1	*	*	*	0
333	Machinery	81	9,688	*	*	42	*	0	0	1	0
334	Computer and Electronic Products	24	4,551	0	*	8	*	0	0	*	0
334413 335	Semiconductors and Related Devices Electrical Equip., Appliances, and Components	3 21	676 2,827	0	*	1 11	*	0	0	*	0
335 336	Transportation Equipment	149	19,775	*	*	70	1	*	0	3	0
336111	Automobiles	19	1,765	0	*	11	*	*	0	1	0
336112	Light Trucks and Utility Vehicles	24	2,059	0	*	14	*	*	0	1	0
3364	Aerospace Product and Parts	14	2,012	*	*	6	*	0	0	1	0
336411 337	Aircraft Furniture and Related Products	4 1 <i>1</i>	505 1,665	U	*	2	*	U *	U	ŝ	U
339	Miscellaneous	8	1,003	0	*	3	*	*	0	*	0
	Total	4,349	227,367	2	4	1,459	33	26	9	1,149	43
	So	uth Census Region									
311	Food	297	23,271	1	1	143	*	1	0	41	0
311	F000	291	23,271	I	I	143		I	0	41	

# Table 1.1First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

NAICS Code(a)	Subsector and Industry	Total(b) (trillion Btu)	Net Electricity(c) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(d) (million bbl)	Natural Gas(e) (billion cu ft)	LPG and NGL(f) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(g) (trillion Btu)	Shipments of Energy Sources Produced Onsite(h) (trillion Btu)
3112	Grain and Oilseed Milling	61	3,690	*	*	28	*	*	0	8	0
311221	Wet Corn Milling	14	824	0	*	4	*	*	0	*	0
31131	Sugar Manufacturing	40	263	*	*	6	*	*	0	31	0
3114 3115	Fruit and Vegetable Preserving and Specialty Foods Dairy Products	29 13	2,394 1,815	*	*	19	*	0	0	1	0
3115	Animal Slaughtering and Processing	89	8,966	0	*	47	*	*	0	Q	0
312	Beverage and Tobacco Products	36	3,614	*	*	15	*	*	0	2	0
3121	Beverages	27	2,682	*	*	12	*	*	0	2	0
3122	Tobacco	9	932	*	*	3	*	*	0	*	0
313		81	12,007	*	*	22	*	*	0	7	0
314 315	Textile Product Mills Apparel	15	1,800 886	0	*	8	*	0	0	*	0
316	Leather and Allied Products	*	73	0	*	*	*	0	0	*	0
321	Wood Products	247	8,775	*	1	17	*	*	0	191	0
321113	Sawmills	143	2,707	0	*	2	*	0	0	130	
3212	Veneer, Plywood, and Engineered Woods	77	4,150	*	*	11	*	*	0	49	
321219 3219	Reconstituted Wood Products Other Wood Products	49 20	2,882 1,685	Ô	*	10	*	Ô	0	28 10	
3219	Paper	1,341	27,762	3	1	178	*	5	*	921	0
322110	Pulp Mills	213	1,142	1	*	17	*	*	0	186	0
322121	Paper Mills, except Newsprint	392	8,433	1	*	55	*	2	0	248	
322122	Newsprint Mills	W	3,219	0	*	1	*	*	0	W	
322130	Paperboard Mills	659	9,668	2	*	85	*	3	*	469	0
323 324	Printing and Related Support Petroleum and Coal Products	30 3,634	4,825 27,233	0	1	13 514	1	0	U *	3,052	90
324110	Petroleum Refineries	3,598	26,229	*	*	496	1	0	0	2,990	
324121	Asphalt Paving Mixture and Block	21	332	*	1	10	*	0	0	2	0
324199	Other Petroleum and Coal Products	6	140	*	*	1	*	1	*	61	90
325	Chemicals	W	76,423	14	1	1,689	538	4	*	377	W
325110 325120	Petrochemicals Industrial Gases	858	6,453 6,902	VV O	*	W 115	231	0	0	155	385
325120	Alkalies and Chlorine	W	5,022	0	*	W	*	*	0	11	0
325182	Carbon Black	79	151	Ŵ	*	W	*	0	0	*	0
325188	Other Basic Inorganic Chemicals	124	20,178	*	*	31	*	*	*	19	*
325192	Cyclic Crudes and Intermediates	W	1,863	*	*	12	*	0	0	W	0
325193 325199	Ethyl Alcohol Other Basic Organic Chemicals	41 1,056	983 5,182	0	*	37 429	* 129	0	0	100	0
325799	Plastics Materials and Resins	927	15,133	*	*	291	178	*	0	109 26	82
325212	Synthetic Rubber	34	1,146	0	*	18	*	*	0	8	0
325222	Noncellulosic Organic Fibers	41	2,732	*	*	14	*	*	0	W	W
325311	Nitrogenous Fertilizers	284	1,919	0	*	269	*	0	0	*	0
325312 3254	Phosphatic Fertilizers Pharmaceuticals and Medicines	VV 25	998 2,927	*	*	VV 1.1	*	* 0	0	*	0
3254 325412	Pharmaceutical Preparation	25 15	2,927 1,794	*	*	6	*	0	0	3 2	0
325992	Photographic Film, Paper, Plate, and Chemicals	1	167	0	*	1	*	0	0	*	0
326	Plastics and Rubber Products	124	19,154	*	*	48	Q	0	0	Q	0
327	Nonmetallic Mineral Products	296	14,180	*	2	121	*	4	*	24	0
327121	Brick and Structural Clay Tile	13	386	*	*	10 15	*	*	0	1	0
327211 327212	Flat Glass Other Pressed and Blown Glass and Glassware	18	665 1,407	0	*	15 13	*	0	0	0	0
327213	Glass Containers	20	1,192	0	*	16	*	0	0	*	0
327215	Glass Products from Purchased Glass	5	989	0	*	2	*	0	0	*	0
327310	Cements	99	3,900	*	*	9	*	2	*	19	0
327410	Lime	37	697	0	1	1	*	1	*	*	0
327420 327993	Gypsum Mineral Wool	20 13	520 1,205	0	*	18	*	0	0	*	0
331	Primary Metals	W	45,397	*	1	171	*	4	5	31	Ŵ
331111	Iron and Steel Mills	W	22,133	*	*	82	*	3	5	W	W
331112	Electrometallurgical Ferroalloy Products	9	1,446	0	*	*	0	*	*	*	0
3312	Steel Products from Purchased Steel	16	2,849	0	*	6	*	*	0	*	0
3313	Alumina and Aluminum	W	12,833	0	*	61	*	0	0	W *	*
331314 331315	Secondary Smelting and Alloying of Aluminum Aluminum Sheet, Plate and Foils	0 20	316 2,092	0	*	ວ 22	*	0	0	*	U *
331316	Aluminum Extruded Products	7	412	0	*	5	*	0	0	*	0
3314	Nonferrous Metals, except Aluminum	48	3,523	0	*	11	*	*	*	21	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	29	1,929	0	*	*	*	*	0	21	0
3315	Foundries	25	2,612	0	*	11	*	*	*	*	0

## Released: March 2013

Next MECS will be fielded in 2015

### Table 1.1First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

NAICS Code(a)	Subsector and Industry	Total(b) (trillion Btu)	Net Electricity(c) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(d) (million bbl)	Natural Gas(e) (billion cu ft)	LPG and NGL(f) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(g) (trillion Btu)	Shipments of Energy Sources Produced Onsite(h) (trillion Btu)
331511	Iron Foundries	13	1,271	0	*	4	*	*	*	*	0
331521	Aluminum Die-Casting Foundries	4	311	0	*	3	*	0	0	*	0
331524 332	Aluminum Foundries, except Die-Casting Fabricated Metal Products	3	138 12,909	0	*	2 42	* 1	0	0	*	0
333	Machinery	41	6,103	0	*	18	*	0	0	*	0
334	Computer and Electronic Products	43	10,078	0	*	8	*	0	0	1	0
334413	Semiconductors and Related Devices	15	3,192	0	*	3	*	0	0	1	0
335 336	Electrical Equip., Appliances, and Components Transportation Equipment	56 75	5,579 11,397	0	*	17 29	*	*	0	Q	Q
336111	Automobiles	75	1,233	0	*	29	*	*	0	∠ *	0
336112	Light Trucks and Utility Vehicles	14	1,538	0	*	8	*	0	0	*	0
3364	Aerospace Product and Parts	19	2,972	*	*	7	*	*	0	1	0
336411 337	Aircraft Furniture and Related Products	7	1,163 2,180	*	*	3	*	0 *	0	*	0
339	Miscellaneous	12	2,180	*	*	4	*	0	0	*	0
	Total	10,872	315,945	19	9	3,063	543	20	5	4,685	670
		West Census Region									
311	Food	211	11,955	*	2	124	*	1	*	10	0
3112	Grain and Oilseed Milling	13	806	0	*	6	*	0	0	Q	0
311221 31131	Wet Corn Milling Sugar Manufacturing	2 30	64 185	0	*	1	*	0	0	1	0
3114	Fruit and Vegetable Preserving and Specialty Foods	75	3,633	*	Q	56	*	0	0	1	0
3115	Dairy Products	38	3,272	0	*	26	*	0	0	*	0
3116	Animal Slaughtering and Processing	19	1,753	0	*	12	*	0	0	*	0
312 3121	Beverage and Tobacco Products Beverages	20 20	2,219 2,218	0	*	9	*	0	0	2	0
3121	Tobacco	*	2,218	0	0	*	*	0	0	0	0
313	Textile Mills	3	289	*	*	2	*	0	0	*	0
314	Textile Product Mills	Q	Q	0	*	*	*	0	0	*	0
315 316	Apparel Leather and Allied Products	*	90 31	0	0	*	0	0	0	0	0
321	Wood Products	87	3,069	*	Q	9	*	0	0	55	0
321113	Sawmills	56	1,028	0	Q	3	*	0	0	39	0
3212	Veneer, Plywood, and Engineered Woods	22	1,427	*	*	5	*	0	0	12	0
321219 3219	Reconstituted Wood Products Other Wood Products	8	668 520	0	*	2	*	0	0	3	0
3219	Paper	230	12,760	*	*	58	*	1	0	4 107	0
322110	Pulp Mills	7	178	*	*	*	*	0	0	5	0
322121	Paper Mills, except Newsprint	74	2,285	*	*	25	*	0	0	40	0
322122 322130	Newsprint Mills Paperboard Mills	41	5,736 3,543	*	*	2 25	*	1	0	6	0
322130	Printing and Related Support	97 Q	3,543 Q	0	0	23	*	0	0	0	0
324	Petroleum and Coal Products	1,006	6,773	1	1	215	3	*	0	740	3
324110	Petroleum Refineries	988	6,520	1	1	203	3	0	0	738	0
324121 324199	Asphalt Paving Mixture and Block Other Petroleum and Coal Products	14	220 -101	* 0	*	9 *	*	0	0	2	0
324133	Chemicals	144	8,957	0	*	53	*	2	*	8	5 1
325110	Petrochemicals	0	0	0	0	0	0	0	0	0	0
325120	Industrial Gases	7	1,835	0	0	1	0	0	0	*	1
325181 325182	Alkalies and Chlorine Carbon Black	58	1,830 1	0	*	18	*	1	0	2	0
325188	Other Basic Inorganic Chemicals	43	2,325	0	*	14	*	1	*	2	*
325192	Cyclic Crudes and Intermediates	*	1	0	*	*	*	0	0	*	0
325193	Ethyl Alcohol	10	253	0	*	7	*	0	0	2	0
325199 325211	Other Basic Organic Chemicals Plastics Materials and Resins	5	251 179	0	*	2	*	0	0	1	0
325211	Synthetic Rubber	۲ *	45	0	*	۱ *	*	0	0	*	0
325222	Noncellulosic Organic Fibers	*	1	0	0	*	*	0	0	0	0
325311	Nitrogenous Fertilizers	2	169	0	*	1	*	0	0	*	0
325312	Phosphatic Fertilizers	4	246	0	*	3	*	0	0	*	0
3254 325412	Pharmaceuticals and Medicines Pharmaceutical Preparation	8	991 456	0	*	4	*	0	0	*	0
325992		4 2	241	0	*	1	*	0	0	*	0
326	Plastics and Rubber Products	- 39	8,514	0	*	9	*	0	0	*	0

### Table 1.1 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

Level: National and Regional Data;

Row: NAICS Codes; Column: Energy Sources and Shipments; Unit: Physical Units or Btu.

NAICS Code(a)	Subsector and Industry	Total(b) (trillion Btu)	Net Electricity(c) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil(d) (million bbl)	Natural Gas(e) (billion cu ft)	LPG and NGL(f) (million bbl)	Coal (million short tons)	Coke and Breeze (million short tons)	Other(g) (trillion Btu)	Shipments of Energy Sources Produced Onsite(h) (trillion Btu)
327	Nonmetallic Mineral Products	116	5,325	*	1	39	*	2	*	f	. 0
327121	Brick and Structural Clay Tile	2	39	0	*	1	*	0	0	,	0
327211	Flat Glass	6	185	0	*	5	*	0	0	,	, O
327212	Other Pressed and Blown Glass and Glassware	2	97	ů 0	*	1	*	ů O	0	,	, O
327213	Glass Containers	13	945	0	*	10	*	0	0	,	, <u> </u>
327215	Glass Products from Purchased Glass	1	291	0	*	*	*	0	0	,	, 0
327310	Cements	46	1,752	0	*	1	*	1	*	6	6 O
327410	Lime	14	246	0	*	*	*	1	0	,	0
327420	Gypsum	9	205	0	*	8	*	0	0	,	0
327993	Mineral Wool	4	468	0	*	2	*	0	0	,	0
331	Primary Metals	95	12,209	0	*	41	*	*	*	8	0
331111	Iron and Steel Mills	W	2,919	0	*	13	*	*	*	W	0
331112	Electrometallurgical Ferroalloy Products	*	*	0	0	0	0	0	0	(	0
3312	Steel Products from Purchased Steel	1	113	0	*	*	*	0	0		0
3313	Alumina and Aluminum	W	4,951	0	*	7	*	0	0	W	0
331314	Secondary Smelting and Alloying of Aluminum	1	27	0	*	1	*	0	0	(	0
331315	Aluminum Sheet, Plate and Foils	4	353	0	*	2	*	0	0	,	0
331316	Aluminum Extruded Products	W	W	0	*	W	*	0	0	,	0
3314	Nonferrous Metals, except Aluminum	32	3,503	0	*	17	*	0	*	G	0
331419	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum	18	2,371	0	*	9	*	0	0	•	0
3315	Foundries	7	722	0	*	4	*	*	*	•	0
331511	Iron Foundries	2	99	0	*	1	*	*	*	•	0
331521	Aluminum Die-Casting Foundries	*	36	0	0	*	*	0	0	,	0
331524	Aluminum Foundries, except Die-Casting	2	164	0	*	1	*	0	0	,	0
332	Fabricated Metal Products	27	3,426	0	*	13	*	*	0	G	0
333	Machinery	6	1,271	0	*	Q	*	0	0	,	0
334	Computer and Electronic Products	52	9,638	0	*	19	*	0	0	,	0
334413	Semiconductors and Related Devices	30	4,981	0	*	12	*	0	0	,	0
335	Electrical Equip., Appliances, and Components	3	478	0	*	Q	*	0	0	,	0
336	Transportation Equipment	30	4,799	0	*	12	*	0	0	G	0
336111	Automobiles	*	28	0	0	*	*	0	0	(	0
336112	Light Trucks and Utility Vehicles	*	23	0	0	*	0	0	0	(	0
3364	Aerospace Product and Parts	24	3,615	0	*	10	*	0	0	G	0
336411	Aircraft	4	655	0	*	2	*	0	0	,	0
337	Furniture and Related Products	3	408	0	0	1	*	0	0	,	0
339	Miscellaneous	11	2,197	0	*	3	*	0	0	,	0
	Total	2,094	96,546	1	6	611	4	6	*	939	4

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

(b) 'Total' is the sum of all of the listed energy sources, including 'Other,' minus the shipments of energy sources produced onsite. It is the total amount of first use of energy for all (fuel and nonfuel) purposes.

(c) 'Net Electricity' is obtained by summing purchases, transfers in, and generation from noncombustible renewable resources, minus quantities sold and transferred out. It does not include electricity inputs from onsite cogeneration or generation from combustible fuels because that energy has

already been included as generating fuel (for example, coal).

(d) 'Distillate Fuel Oil' includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

(e) 'Natural Gas' includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as independent gas producers, gas brokers, marketers, and any marketing subsidiaries of utilities.

(f) Examples of Liquefied Petroleum Gases '(LPG)' are ethane, ethylene, propane, propylene, normal butane, butylene, ethane-propane mixtures, propane-butane mixtures, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw Natural Gas Liquids '(NGL).'

(g) 'Other' includes net steam (the sum of purchases, generation from renewables, and net transfers), and other energy that respondents indicated was used to produce heat and power or as feedstock/raw material inputs. See also Footnote 'i'.

 (h) 'Shipments of Energy Sources Produced Onsite' are those shipments produced or transformed onsite from the nonfuel use of other energy sources. For example, at an establishment that processes coal to make coke for later use, the entire quantity of coal is counted as first use.
 Any onsite consumption of coke is not counted as first use because it would duplicate the coal use. If some of the coke is then sold to another establishment, then that second

 Table 1.1
 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

Level: National and Regional Data; Row: NAICS Codes; Column: Energy Sources and Shipments; Unit: Physical Units or Btu.

								Coke and		Shipments
		Net	Residual	Distillate	Natural Gas(e)	LPG and	Coal	Breeze		of Energy Sources
NAICS	Total(b)	Electricity(c)	Fuel Oil	Fuel Oil(d)	(billion	NGL(f)	(million	(million	Other(g)	Produced Onsite(h)
Code(a) Subsector and Industry	(trillion Btu)	(million kWh)	(million bbl)	(million bbl)	cu ft)	(million bbl)	short tons)	short tons)	(trillion Btu)	(trillion Btu)

establishment will consider this coke to be a shipment of an offsite-produced energy source. Hence, the second establishment will count this coke as its first use, thereby resulting in double counting. In order to eliminate the double counting, the energy equivalent of the coke shipment must be subtracted from first use.

(i) For the petroleum refining industry only, the feedstocks and raw material inputs for the production of nonenergy products (i.e., asphalt, waxes, lubricants, and solvents) and feedstock consumption at adjoining petrochemical plants are included in the 'Other' column, regardless of type of energy. The remaining columns for the petroleum refining industry include only energy that was consumed for the production of heat and power. The 'Other' column also includes net steam and other energy that respondents indicated was used in the production of heat and power. Those inputs and feedstocks that were converted to other energy products (e.g., crude oil converted to residual and distillate fuel oils) are excluded.

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: Totals may not equal sum of components because of independent rounding. The derived estimates presented in this table are for the first use (formerly primary consumption) of energy for heat and power and as feedstocks or raw material inputs. First use is defined as the consumption of the energy that was originally produced offsite or was produced onsite from input materials not classified as energy. Examples of the latter are hydrogen produced from the electrolysis of brine; the output of captive (onsite) mines or wells; woodchips, bark, and woodwaste from wood purchased as a raw material input; and waste materials, such as wastepaper and packing materials. First use excludes quantities of energy

that are produced from other energy inputs and, therefore, avoids double counting. Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2010.