

Released: February 2018

Next MECS will be fielded in 2019

**Table 8.11 Number of Establishments by Participation of Audits to Identify Potential Energy Saving Opportunities, 2014;**

Level: National Data;  
 Row: NAICS Codes;  
 Column: Participation in Audits on Energy Systems;  
 Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	Audits Performed on Energy Systems													
		No Participation	Participation(b)	Don't Know	Compressed Air	Process Heating	Process Cooling and Steam	Process Refrigeration	Computing	Facility HVAC	Facility Lighting	Machine Drives	Establishment Wide	Don't Know	
<b>Total United States</b>															
311	Food	7,859	2,721	3,110	1,186	709	746	927	166	942	1,784	991	823	88	
3112	Grain and Oilseed Milling	262	239	100	131	69	115	56	16	99	172	137	85	0	
311221	Wet Corn Milling	22	17	10	16	12	10	5	W	4	11	9	W	0	
31131	Sugar Manufacturing	32	17	22	7	15	16	W	W	6	8	8	5	0	
3114	Fruit and Vegetable Preserving and Specialty Food	439	373	173	189	84	146	182	Q	79	339	151	86	W	
3115	Dairy Product	441	333	218	189	71	157	177	W	134	235	70	54	W	
3116	Animal Slaughtering and Processing	789	430	383	166	75	156	191	23	93	246	167	184	W	
312	Beverage and Tobacco Products	1,561	411	472	158	118	116	172	16	165	217	143	148	0	
3121	Beverages	1,518	389	462	146	W	109	W	W	156	203	136	142	0	
3122	Tobacco	43	22	9	11	W	7	W	W	9	14	7	6	0	
313	Textile Mills	904	289	161	181	106	177	69	W	108	182	80	121	0	
314	Textile Product Mills	3,397	Q	599	Q	W	33	0	0	Q	Q	Q	Q	0	
315	Apparel	1,867	Q	1,410	Q	W	Q	W	W	Q	Q	Q	W	0	
316	Leather and Allied Products	365	61	40	39	32	W	W	W	28	44	27	W	0	
321	Wood Products	5,136	934	2,328	468	149	193	Q	24	98	526	410	149	W	
321113	Sawmills	961	282	376	W	40	72	8	W	W	165	W	67	0	
3212	Veneer, Plywood, and Engineered Woods	579	138	255	99	39	53	W	3	23	61	44	30	W	
321219	Reconstituted Wood Products	81	58	15	43	17	23	W	W	11	25	23	12	W	
3219	Other Wood Products	3,412	485	1,661	209	56	Q	Q	W	Q	286	223	49	0	
322	Paper	1,948	734	538	373	178	225	84	Q	212	455	382	196	0	
322110	Pulp Mills	4	19	5	14	12	14	W	W	6	12	12	8	0	
322121	Paper Mills, except Newsprint	33	107	25	63	47	75	14	5	28	55	62	41	0	
322122	Newsprint Mills	W	9	W	5	W	6	W	0	7	W	7	W	0	
322130	Paperboard Mills	32	88	27	57	39	69	11	4	12	50	49	21	0	
323	Printing and Related Support	8,615	2,386	3,004	660	Q	W	Q	W	813	1,482	506	562	0	
324	Petroleum and Coal Products	1,062	370	486	80	178	114	32	7	22	102	121	148	6	
324110	Petroleum Refineries	82	82	10	20	62	70	14	0	5	13	27	34	0	
324121	Asphalt Paving Mixture and Block	704	188	393	23	78	20	W	W	W	45	57	78	W	
324122	Asphalt Shingle and Coating Materials	72	60	30	22	22	11	6	0	9	22	21	30	0	
324199	Other Petroleum and Coal Products	54	17	15	8	11	6	6	0	W	12	12	W	0	
325	Chemicals	4,466	2,094	1,970	823	717	548	723	53	892	1,424	657	556	W	
325110	Petrochemicals	23	16	5	W	9	12	5	W	3	5	6	6	0	
325120	Industrial Gases	116	83	228	25	Q	7	37	W	W	Q	37	69	0	
325180	Other Basic Inorganic Chemicals	322	87	102	32	28	32	16	W	12	34	31	33	0	
325193	Ethyl Alcohol	87	85	40	25	40	37	22	5	30	38	26	W	0	
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	51	13	5	6	7	9	4	W	3	6	6	W	0	
325199	Other Basic Organic Chemicals	298	137	83	37	33	92	46	6	38	66	50	48	0	
325211	Plastics Materials and Resins	458	285	101	137	61	82	58	0	88	149	67	100	0	
325212	Synthetic Rubber	40	25	20	13	10	13	7	W	8	15	9	5	0	
325220	Artificial and Synthetic Fibers and Filaments	48	28	14	18	12	11	9	0	10	16	16	6	0	
325311	Nitrogenous Fertilizers	106	18	10	8	9	6	4	W	4	8	9	5	0	
325312	Phosphatic Fertilizers	18	9	30	W	W	W	0	0	W	7	W	W	0	
3254	Pharmaceuticals and Medicines	568	336	295	148	118	76	126	5	202	284	127	111	0	
325412	Pharmaceutical Preparation	273	136	193	66	38	45	40	W	73	102	42	33	0	
325992	Photographic Film, Paper, Plate, and Chemicals	85	27	8	12	5	9	5	W	18	21	9	6	0	
326	Plastics and Rubber Products	4,179	2,416	1,622	1,482	619	164	814	242	1,001	1,582	1,128	696	0	
327	Nonmetallic Mineral Products	7,632	1,973	2,580	820	420	235	Q	47	497	1,453	616	420	W	
327120	Clay Building Material and Refractories	262	98	86	56	42	Q	Q	Q	17	51	52	18	0	
327211	Flat Glass	20	23	7	11	9	W	W	0	W	14	6	W	0	
327212	Other Pressed and Blown Glass and Glassware	113	32	Q	18	14	4	Q	W	Q	27	22	5	0	
327213	Glass Containers	16	19	24	18	8	0	W	W	W	11	W	W	0	
327215	Glass Products from Purchased Glass	412	177	94	74	25	W	5	Q	57	129	51	28	0	
327310	Cements	55	58	75	32	37	W	6	W	6	29	33	24	W	
327410	Lime	28	10	45	W	6	0	0	0	0	5	W	W	0	
327420	Gypsum	46	67	9	50	22	24	7	4	0	36	9	18	0	
327993	Mineral Wool	126	30	30	24	17	W	W	4	5	26	12	9	0	
331	Primary Metals	1,764	815	560	435	258	84	75	23	162	526	312	240	W	
331110	Iron and Steel Mills and Ferroalloys	146	131	68	63	48	37	6	10	16	69	46	46	0	
3312	Steel Products from Purchased Steel	263	104	102	65	15	8	12	0	23	75	58	43	0	
3313	Alumina and Aluminum	204	115	64	65	54	15	13	7	35	71	62	37	0	
331314	Secondary Smelting and Alloying of Aluminum	49	32	15	16	14	W	6	0	5	19	15	W	0	
331315	Aluminum Sheet, Plate and Foils	W	24	W	16	13	W	0	0	W	13	15	14	0	
331318	Other Aluminum Rolling, Drawing and Extruding	113	47	31	27	20	W	W	W	19	32	25	13	0	
3314	Nonferrous Metals, except Aluminum	386	112	164	55	18	15	13	W	27	80	38	22	0	
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	34	16	58	10	0	0	0	0	5	13	W	W	0	
3315	Foundries	764	352	161	187	124	8	31	W	61	231	108	92	W	
331511	Iron Foundries	120	139	Q	53	47	0	7	W	19	108	31	25	W	
331523	Nonferrous Metal Die-Casting Foundries	152	70	32	47	22	W	10	0	15	50	31	16	0	
331524	Aluminum Foundries, except Die-Casting	173	57	38	39	23	W	W	W	7	23	17	21	0	
332	Fabricated Metal Products	27,226	3,945	5,268	1,697	766	Q	Q	W	1,458	2,898	1,132	1,132	0	
333	Machinery	10,024	2,355	2,928	1,061	Q	Q	Q	W	1,176	2,155	610	861	0	
334	Computer and Electronic Products	4,137	1,785	909	925	227	34	396	Q	1,001	1,168	566	493	W	
334413	Semiconductors and Related Devices	175	147	67	98	60	18	80	Q	116	64	50	27	0	
335	Electrical Equip., Appliances, and Components	1,974	903	420	382	217	Q	Q	208	Q	354	832	282	356	0
336	Transportation Equipment	3,151	1,875	1,577	1,301	393	171	345	299	1,023	1,574	538	461	W	
336111	Automobiles	W	33	W	25	25	W	20	W	26	26	14	21	W	
336112	Light Trucks and Utility Vehicles	W	28	W	26	14	8	10	W	20	26	14	11	0	
3364	Aerospace Product and Parts	460	360	244	191	139	33	125	Q	260	307	109	97	0	
336411	Aircraft	Q	147	87	Q	Q	8	Q	7	141	145	14	19	0	
337	Furniture and Related Products	5,802	1,112	998	378	372	Q	Q	W	599	897	277	347	0	
339	Miscellaneous	9,456	1,123	2,423	345	262	Q	Q	W	497	817	Q	329	W	
	<b>Total</b>	<b>112,525</b>	<b>29,180</b>	<b>33,402</b>	<b>13,467</b>	<b>6,504</b>	<b>3,700</b>	<b>5,428</b>	<b>1,757</b>	<b>11,810</b>	<b>20,905</b>	<b>9,362</b>	<b>8,659</b>	<b>141</b>	

(a) The Bureau of the Census classifies establishments using the 2012 North American Industry Classification System (NAICS).  
 (b) The 'Participation' column includes those units which reported any of the nine listed audits performed on energy systems at anytime in 2014, plus those units where the audits performed on energy systems was not ascertained.

\* 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.  
 Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey.'

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RSE Table 8.11 Relative Standard Errors for Table 8.11;

Unit: Percents.

		Audits Performed on Energy Systems												
NAICS Code(s)	Subsector and Industry	No Participation	Participation(b)	Don't Know	Compressed Air	Process Heating	Steam	Process Cooling and Refrigeration	Computing	Facility HVAC	Facility Lighting	Machine Drives	Establishment Wide	Don't Know
Total United States														
311	Food	5.1	10.0	11.3	14.4	22.9	12.5	15.9	49.8	19.1	12.6	16.6	19.3	44.6
3112	Grain and Oilseed Milling	11.9	13.1	20.4	14.4	13.3	15.1	24.4	32.3	27.6	18.5	19.9	17.6	X
311221	Wet Corn Milling	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
31131	Sugar Manufacturing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
3114	Fruit and Vegetable Preserving and Specialty Food	12.3	13.4	25.3	20.0	30.6	21.4	20.4	70.9	30.2	17.7	21.9	30.2	83.1
3115	Dairy Product	10.2	12.3	17.1	17.1	35.6	15.5	17.5	18.0	22.8	16.0	16.0	20.2	76.0
3116	Animal Slaughtering and Processing	8.7	11.3	17.3	10.9	15.9	10.8	18.5	25.1	13.5	10.8	20.7	14.5	93.5
312	Beverage and Tobacco Products	6.4	14.6	18.6	12.1	26.5	27.0	22.1	20.9	23.0	18.6	20.6	24.8	X
3121	Beverages	6.6	15.4	19.0	13.0	27.3	28.7	22.7	22.6	24.4	19.9	21.7	25.8	X
3122	Tobacco	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
313	Textile Mills	8.2	22.1	29.2	30.1	43.5	32.5	35.5	62.2	35.4	29.6	38.7	38.9	X
314	Textile Product Mills	9.8	71.3	47.4	83.0	50.1	39.6	X	X	93.5	84.3	53.8	72.1	X
315	Apparel	27.1	63.2	35.1	86.1	87.3	86.1	91.7	92.7	88.6	68.2	79.3	87.3	X
316	Leather and Allied Products	5.0	19.2	25.1	22.1	20.8	14.5	82.6	15.0	23.2	21.0	14.3	22.4	X
321	Wood Products	5.1	13.4	10.7	17.9	15.4	22.8	75.0	43.8	26.8	18.2	15.4	13.1	15.5
32113	Sawmills	5.2	9.3	12.9	13.1	8.2	12.1	15.4	70.0	41.5	12.2	11.7	14.4	X
3212	Veneer, Plywood, and Engineered Woods	9.6	17.1	20.8	22.2	13.4	23.6	8.7	8.6	18.2	29.1	13.4	16.3	15.5
321219	Reconstituted Wood Products	15.7	19.0	22.9	22.3	27.0	33.2	15.5	15.5	34.6	17.8	23.0	20.1	15.5
3219	Other Wood Products	7.3	24.7	14.3	37.3	37.9	73.7	88.3	7.5	53.2	32.0	27.2	33.5	X
322	Paper	9.6	18.5	29.4	23.7	19.2	12.0	38.0	63.7	39.0	25.4	28.1	23.3	X
32210	Pulp Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
32211	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
32212	Newsprint Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	0.0	0.0	0.0	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
323	Printing and Related Support	6.0	16.2	14.6	29.2	62.1	36.6	54.0	5.3	29.8	21.1	37.1	37.0	X
324	Petroleum and Coal Products	4.3	7.3	7.4	10.3	10.4	16.6	12.8	17.4	8.9	7.8	9.5	9.3	13.7
324110	Petroleum Refineries	29.6	26.6	26.6	26.6	26.6	26.6	26.6	X	26.6	26.6	26.6	26.6	X
324121	Asphalt Paving Mixture and Block	4.3	7.5	7.1	25.0	10.1	16.8	4.2	20.0	34.9	15.1	15.3	11.0	4.2
324122	Asphalt Shingle and Coating Materials	8.2	9.3	15.9	6.4	6.5	10.3	17.1	X	4.8	4.2	6.6	19.0	X
324199	Other Petroleum and Coal Products	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
325	Chemicals	6.2	10.5	11.9	15.4	19.7	11.6	20.8	20.5	19.9	14.6	17.4	18.0	7.0
32510	Petrochemicals	19.1	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	X
325120	Industrial Gases	22.2	21.3	14.1	45.4	51.3	13.7	42.0	13.7	62.1	42.1	24.5	24.5	X
325180	Other Basic Inorganic Chemicals	10.2	20.6	28.4	23.9	21.7	18.8	18.5	12.3	12.3	20.4	23.3	37.0	X
325193	Ethyl Alcohol	11.8	9.1	20.7	10.7	11.5	9.6	14.6	22.3	8.0	11.1	9.3	12.9	7.0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
325199	Other Basic Organic Chemicals	10.8	14.9	32.2	16.4	18.1	16.7	23.9	11.8	27.6	19.9	23.3	20.7	X
325211	Plastics Materials and Resins	9.7	15.1	21.4	29.1	33.2	24.9	35.4	X	42.4	27.0	30.9	37.8	X
32522	Synthetic Rubber	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	0.0	0.0	0.0	X
325311	Nitrogenous Fertilizers	6.7	25.2	29.5	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	X
325312	Phosphatic Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0	0.0	0.0	X
3254	Pharmaceuticals and Medicines	12.2	17.4	21.1	25.4	32.5	12.0	30.3	11.0	23.3	20.3	30.0	34.1	X
325412	Pharmaceutical Preparation	15.8	18.4	23.5	18.9	21.9	14.9	19.8	13.1	17.3	21.9	19.2	21.1	X
325992	Photographic Film, Paper, Plate, and Chemicals	11.3	29.6	21.8	21.8	21.8	21.8	21.8	21.8	36.5	33.0	21.8	21.8	X
326	Plastics and Rubber Products	8.4	13.1	17.5	17.8	29.1	42.9	24.7	47.2	22.7	17.3	21.2	28.3	X
327	Nonmetallic Mineral Products	5.8	16.5	14.7	24.7	29.4	48.9	63.0	40.2	35.1	20.5	31.3	35.8	10.5
32720	Clay Building Material and Refractories	8.1	14.4	23.3	21.1	24.5	57.0	65.6	68.1	48.7	18.4	22.4	9.2	X
327211	Flat Glass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	0.0	0.0	0.0	X
327212	Other Pressed and Blown Glass and Glassware	23.8	32.7	50.5	30.1	36.4	37.1	62.8	93.5	56.7	37.2	43.1	20.5	X
327213	Glass Containers	0.0	0.0	0.0	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0	X
327215	Glass Products from Purchased Glass	9.8	20.0	27.3	22.8	14.8	10.3	20.1	79.6	37.3	24.7	30.6	28.7	X
32730	Cements	32.1	29.3	43.5	29.3	29.3	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
32740	Lime	0.0	0.0	0.0	0.0	0.0	X	0.0	X	X	X	0.0	0.0	0.0
327420	Gypsum	25.4	15.7	16.0	16.0	16.0	16.0	16.0	X	16.0	16.0	16.0	35.4	X
327993	Mineral Wool	12.2	28.5	31.8	32.1	41.8	20.8	20.8	20.8	20.8	31.1	20.8	20.8	X
331	Primary Metals	3.4	5.9	10.4	6.7	9.3	12.4	9.9	2.8	7.9	7.9	7.5	9.3	75.9
33110	Iron and Steel Mills and Ferroalloys	3.2	5.2	3.2	3.2	19.9	26.4	3.2	3.2	3.2	3.2	3.2	3.2	X
3312	Steel Products from Purchased Steel	11.3	19.1	26.4	24.3	24.6	11.4	28.2	X	40.3	24.0	25.1	36.0	X
3313	Alumina and Aluminum	5.2	5.8	11.5	6.8	7.1	6.8	2.9	5.2	7.6	6.6	6.5	8.7	X
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0	0.0	0.0	X
331315	Aluminum Sheet, Plate and Foils	24.6	17.1	17.1	17.1	17.1	17.1	X	X	X	17.1	17.1	17.1	X
331318	Other Aluminum Rolling, Drawing and Extruding	7.9	11.3	22.7	12.7	15.5	9.3	9.3	9.3	12.7	12.6	12.0	17.2	X
3314	Nonferrous Metals, except Aluminum	9.0	13.5	21.9	14.9	17.2	19.0	37.7	10.1	19.1	15.7	21.0	18.0	X
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	26.2	26.2	22.4	26.2	X	X	X	X	26.2	26.2	26.2	26.2	X
3315	Foundries	5.0	11.2	22.6	12.2	17.0	12.0	14.2	8.1	10.8	15.1	14.6	16.5	75.9
331511	Iron Foundries	19.4	21.8	56.6	20.2	30.9	X	20.4	16.7	25.1	28.8	25.2	28.5	75.9
331523	Nonferrous Metal Die-Casting Foundries	9.0	16.5	24.2	24.0	14.2	9.1	19.3	X	14.3	22.7	35.6	17.3	X
331524	Aluminum Foundries, except Die-Casting	5.5	12.9	14.0	17.4	23.5	32.2	7.7	7.7	13.7	13.2	32.3	26.2	X
332	Fabricated Metal Products	3.8	18.2	15.8	28.9	41.8	74.2	59.9	81.6	31.2	21.5	34.8	34.7	X
333	Machinery	4.8	15.2	13.7	23.4	54.3	67.4	57.7	92.3	22.7	16.0	31.5	26.6	X
334	Computer and Electronic Products	8.0	16.4	25.9	23.7	44.3	21.8	33.7	57.0	22.6	21.3	32.0	33.8	96.3
334413	Semiconductors and Related Devices	24.5	25.4	34.1	33.5	34.7	18.4	40.5	64.8	31.3	18.8	18.9	18.4	X
335	Electrical Equip., Appliances, and Components	10.6	20.6	34.5	33.7	48.0	69.4	48.8	66.1	36.1	22.1	40.4	36.5	X
336	Transportation Equipment	10.5	14.8	18.5	18.6	26.6	48.9	29.7	44.9	20.3	16.5	27.7	25.0	0.0
336111	Automobiles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
336112	Light Trucks and Utility Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
3364	Aerospace Product and Parts	13.7	16.3	25.6	25.4	34.5	17.4	37.1	65.2	20.1	17.5	30.0	32.8	X
336411	Aircraft	53.9	26.5	41.0	54.1	66.2	28.5	71.2	46.4	27.8	26.9	32.5	32.8	X
337	Furniture and Related Products	5.7	22.3	25.2	33.0	41.9	83.							