

Released: February 2018
 Next NECS will be fielded in 2019

Table 8.3 Number of Establishments by Usage of Cogeneration Technologies, 2014;
 Level: National Data.

Row: NAICS Codes;
 Column: Usage within Cogeneration Technologies;
 Unit: Establishment Counts.

NAICS Code(s)	Subsector and Industry	Establishment(s)	Establishments with Any Cogeneration Technology in Use(s)			Conventional Combustion Turbines with Heat Recovery			Combined Cycle Combustion Turbines			Internal Combustion Engines with Heat Recovery			Steam Turbines Supplied by Heat Recovered from High-Temperature Processes			
			In Use(s)	Not in Use(s)	Don't Know	In Use(s)	Not in Use(s)	Don't Know	In Use(s)	Not in Use(s)	Don't Know	In Use(s)	Not in Use(s)	Don't Know	In Use(s)	Not in Use(s)	Don't Know	
																		Steam Turbines Supplied by Either Conventional or Fluidized Bed Boilers
Total United States																		
311	Food	13,660	132	60	11,032	2,598	28	10,866	2,796	14	10,979	2,697	47	10,928	2,715	34	11,002	2,654
3112	Grain and Oilseed Milling	600	31	20	490	90	13	487	99	7	496	97	7	494	99	6	496	97
311221	Wet Corn Milling	49	8	7	32	10	W	36	W	W	36	W	0	38	11	W	37	11
31131	Sugar Manufacturing	71	28	27	21	23	W	47	W	0	47	24	0	48	23	4	43	23
3114	Fruit and Vegetable Preserving and Specialty Food	965	24	8	784	104	W	781	W	W	762	W	7	780	198	8	807	171
3115	Dairy Product	992	22	5	784	203	5	799	187	W	797	W	9	761	222	W	787	152
3116	Animal Slaughtering and Processing	1,603	15	0	1,319	284	W	1,302	W	0	1,255	348	11	1,280	312	W	1,301	298
312	Beverage and Tobacco Products	2,443	10	4	1,946	494	W	1,934	W	W	1,888	W	6	1,901	536	W	1,917	523
3121	Beverages	2,369	W	W	1,882	W	W	1,870	W	0	1,823	W	6	1,837	526	W	1,853	514
3122	Tobacco	74	W	W	64	W	0	65	9	0	65	9	0	64	10	0	65	9
313	Textile Mills	1,355	Q	W	1,259	W	W	1,205	W	0	1,254	101	4	1,227	124	0	1,184	171
314	Textile Product Mills	4,277	W	W	3,807	W	0	3,695	Q	0	3,810	Q	0	3,806	Q	0	3,809	Q
315	Apparel	3,874	W	W	2,544	W	0	2,139	1,735	0	2,026	1,848	0	2,146	1,728	0	2,173	1,701
316	Leather and Allied Products	466	W	0	462	24	0	432	34	0	445	21	W	441	W	0	443	21
321	Wood Products	8,398	175	38	6,922	1,439	Q	6,619	1,657	W	6,881	W	17	6,669	1,712	15	6,917	1,466
321113	Sawmills	1,619	43	29	1,309	321	7	1,258	354	W	1,298	W	8	1,288	323	13	1,292	318
3212	Veneer, Plywood, and Engineered Woods	973	12	9	804	160	W	787	W	0	786	187	W	790	W	W	800	171
321219	Reconstituted Wood Products	154	7	3	143	8	W	146	W	0	148	6	W	146	W	W	147	6
3219	Other Wood Products	5,558	W	0	4,610	942	W	4,351	W	W	4,379	W	W	4,368	W	0	4,395	963
322	Paper	3,220	152	133	2,745	342	30	2,792	408	14	2,860	347	W	2,838	W	22	2,853	345
32210	Pulp Mills	28	17	17	11	0	W	W	0	28	0	W	28	0	W	27	0	W
32211	Paper Mills, except Newsprint	165	61	56	88	21	9	135	21	8	136	21	W	146	W	10	137	18
32212	Newsprint Mills	18	W	W	9	W	0	14	W	0	14	W	0	W	W	0	14	W
322130	Paperboard Mills	147	60	51	87	9	13	113	10	W	131	W	W	W	9	125	13	
323	Printing and Related Support	14,505	W	0	11,272	2,781	Q	11,243	2,762	0	11,383	2,634	W	11,556	2,449	0	11,556	2,449
324	Petroleum and Coal Products	1,918	110	48	1,500	370	22	1,450	446	17	1,491	410	34	1,447	437	69	1,450	400
32410	Petroleum Refineries	174	63	36	130	8	W	144	W	W	152	W	W	155	W	50	116	9
32421	Asphalt Paving Mixture and Bitum	1,285	36	W	894	0	0	940	345	W	978	W	25	940	330	W	978	299
32422	Asphalt Shingle and Coating Materials	162	0	0	140	22	0	132	30	0	130	32	0	132	30	0	134	28
32499	Other Petroleum and Coal Products	86	W	0	70	16	0	67	18	0	68	18	0	64	22	9	56	21
325	Chemicals and Allied Products	6,540	214	117	6,164	82	27	6,059	1,043	37	6,059	1,054	15	6,716	2,000	108	6,677	1,745
32510	Petrochemicals	44	12	W	35	W	W	39	W	W	40	W	W	8	W	8	35	W
325120	Industrial Gases	427	W	W	286	W	W	278	W	0	287	140	0	287	140	W	287	138
325180	Other Basic Inorganic Chemicals	511	23	13	395	103	W	401	W	W	397	W	W	405	W	13	396	102
325193	Ethyl Alcohol	211	30	20	174	17	8	183	20	0	188	23	0	190	21	8	188	15
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	69	3	W	65	W	0	63	6	0	66	3	0	66	3	0	67	W
325199	Other Basic Organic Chemicals	528	30	11	415	71	11	439	78	7	429	82	6	437	75	21	423	74
32521	Plastics Materials and Resins	844	19	4	801	39	13	788	43	7	785	51	W	786	W	12	769	64
325212	Synthetic Rubber	85	7	W	75	W	4	71	10	W	73	W	0	73	12	W	73	9
325220	Artificial and Synthetic Fibers and Filaments	325	6	4	79	13	0	75	14	0	73	12	W	72	W	0	77	12
325311	Nitrogenous Fertilizers	133	17	7	122	4	4	121	7	0	125	8	W	127	W	14	115	4
325312	Phosphate Fertilizers	157	5	W	30	W	0	34	23	0	34	23	0	32	25	W	29	25
3254	Pharmaceutical and Medicines	1,189	20	11	800	289	14	952	232	W	962	W	W	962	W	W	963	235
32542	Pharmaceutical Preparation	601	10	5	423	173	7	469	125	W	450	W	0	475	126	W	474	126
325992	Photographic Film, Paper, Plate, and Chemicals	121	W	W	100	W	0	101	Q	0	102	Q	0	102	Q	0	102	Q
326	Rubber and Rubber Products	8,217	Q	W	6,445	W	0	6,548	W	0	6,548	1,551	W	6,711	W	W	6,712	1,498
327	Nonmetallic Mineral Products	12,184	Q	W	10,747	W	W	10,938	W	W	10,806	W	W	10,529	1,651	Q	10,649	1,434
32710	Clay Building Material and Refractories	446	0	0	421	25	0	415	31	0	408	38	0	410	36	0	410	36
32711	Fire Glass	50	0	0	W	W	0	W	W	0	43	7	4	44	6	0	42	6
32721	Other Pressed and Blown Glass and Glassware	194	0	0	181	13	0	178	16	0	180	14	0	180	14	0	180	14
327213	Glass Containers	59	0	0	54	5	0	54	5	0	W	W	0	W	W	0	58	W
327215	Glass Products from Purchased Glass	683	W	0	634	49	W	648	W	0	642	41	W	647	W	0	645	38
32730	Cements	189	W	0	184	5	0	184	5	0	183	6	W	183	6	W	183	5
32740	Lime	83	W	W	W	W	0	67	16	0	69	14	W	64	W	W	65	16
327402	Gypsum	122	0	0	108	14	0	115	7	0	106	6	Q	106	6	Q	116	6
327993	Mineral Wool	186	0	0	175	11	0	176	10	0	175	11	0	175	11	0	176	10
331	Primary Metals	3,138	35	14	2,674	449	14	2,684	440	6	2,668	464	12	2,620	506	W	2,708	426
33110	Iron and Steel Mills and Ferroalloys	345	11	W	296	W	W	294	W	W	291	W	W	294	W	W	297	45
3312	Steel Products from Purchased Steel	470	W	0	361	109	0	381	89	0	382	88	W	369	W	0	348	122
3313	Alumina and Aluminum	383	W	W	323	W	W	324	W	W	320	W	W	302	W	0	343	40
331314	Secondary Smelting and Alloying of Aluminum	96	0	0	87	9	0	86	10	0	85	11	0	88	8	0	88	8
331315	Aluminum Sheet, Plate and Foils	57	0	0	49	8	0	46	11	0	49	8	0	48	9	0	49	8
331318	Other Aluminum Rolling, Drawing and Extruding	191	W	0	158	33	0	162	29	0	157	34	W	W	W	0	173	18
3314	Nonferrous Metals, except Aluminum	662	7	W	571	W	0	543	W	0	542	120	W	547	W	0	576	87
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	108	W	0	97	11	W	96	W	0	96	12	0	97	11	0	97	11
3315	Foundries	1,278	10	W	1,124	W	W	1,142	W	0	1,133	145	W	1,108	W	0	1,147	131
331511	Iron Foundries	307	0	0	261	Q	0	258	Q	0	257	Q	0	244	76	0	261	Q
331523	Nonferrous Metal Die-Casting Foundries	254	0	0	238	16	0	237	17	0	237	17	0	236	18	0	238	16
331524	Aluminum Foundries, except Die-Casting	268	W	W	231	W	0	238	30	0	229	39	0	238	30	0	235	39
332	Fabricated Metal Products	36,439	W	0	30,572	5,867	0	30,842	6,057	0	30,859	5,580	W					

NAICS Code(a)	Subsector and Industry	Establishments with Any Cogeneration Technology in Use(c)												Establishments with No Cogeneration Technology in Use(c)					
		Establishments with Any Cogeneration Technology in Use(c)			Establishments with No Cogeneration Technology in Use(c)			Establishments with Any Cogeneration Technology in Use(c)			Establishments with No Cogeneration Technology in Use(c)			Establishments with Any Cogeneration Technology in Use(c)			Establishments with No Cogeneration Technology in Use(c)		
		In Use(d)	Not in Use(e)	Don't Know	In Use(d)	Not in Use(e)	Don't Know	In Use(d)	Not in Use(e)	Don't Know	In Use(d)	Not in Use(e)	Don't Know	In Use(d)	Not in Use(e)	Don't Know	In Use(d)	Not in Use(e)	Don't Know
Total United States																			
311	Food	0.0	9.0	6.7	3.0	12.8	17.2	3.2	12.3	15.3	3.0	12.4	20.2	3.1	12.5	19.2	3.1	12.7	
3112	Grain and Oilseed Milling	0.0	11.4	15.1	3.9	21.0	8.4	4.1	20.0	11.0	4.0	20.5	15.1	4.1	20.3	45.6	4.0	20.3	
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	0.0	0.0	0.0	0.0	0.0	
31131	Sugar Manufacturing	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
3114	Fruit and Vegetable Preserving and Specialty Food	0.0	14.2	21.3	5.9	23.7	44.0	5.8	22.7	9.2	6.3	21.8	20.2	5.8	23.0	9.2	5.0	23.6	
3115	Dairy Product	0.0	25.2	39.1	4.8	18.5	38.7	4.7	19.9	39.4	4.7	19.7	32.9	5.3	18.2	41.7	4.8	19.4	
3116	Animal Slaughtering and Processing	0.0	41.5	X	4.9	22.6	82.1	4.9	21.6	X	5.5	19.7	49.0	5.0	20.6	75.5	4.9	21.5	
312	Beverage and Tobacco Products	0.0	9.1	4.9	4.5	17.6	7.0	4.6	17.4	3.0	4.9	16.6	13.6	4.8	17.0	7.0	4.7	17.2	
3121	Beverages	0.0	10.6	7.0	4.6	18.0	7.0	4.7	17.8	7.0	5.1	16.9	13.6	5.0	17.4	7.0	4.9	17.5	
3122	Tobacco	0.0	0.1	0.1	0.1	0.1	X	0.1	0.1	X	0.1	X	0.1	X	0.1	0.1	X	0.1	
313	Textile Mills	0.0	84.0	94.4	3.1	39.6	11.4	4.3	35.1	X	3.1	38.9	9.9	3.5	35.1	X	4.9	33.9	
314	Textile Product Mills	0.0	16.9	16.9	7.5	61.1	X	9.4	50.3	X	7.5	61.3	X	7.5	60.7	X	7.5	61.1	
315	Apparel	0.0	98.3	98.3	21.1	41.6	X	26.4	32.5	X	27.7	30.3	X	26.3	32.9	X	26.0	33.1	
316	Leather and Allied Products	0.0	14.6	X	1.7	31.3	X	2.9	37.2	X	1.6	34.4	14.6	1.7	31.5	X	1.7	32.4	
321	Wood Products	0.0	46.4	4.8	2.9	14.0	66.4	3.4	13.0	97.3	3.3	13.0	28.1	3.3	12.7	5.0	2.9	13.7	
32113	Sawmills	0.0	6.2	5.5	3.3	13.1	5.5	3.6	12.0	5.5	3.2	12.6	15.3	3.1	12.4	5.5	3.1	12.8	
3212	Veneer, Plywood, and Engineered Woods	0.0	10.8	9.4	5.8	29.1	17.7	6.1	26.0	X	6.1	25.7	17.7	6.1	26.5	10.3	6.0	27.8	
321219	Reconstituted Wood Products	0.0	17.7	17.7	1.6	22.5	17.7	1.0	17.7	X	0.7	17.7	17.7	1.0	17.7	17.7	1.0	17.7	
3219	Other Wood Products	0.0	68.3	X	4.1	20.3	71.4	4.9	18.7	99.3	4.8	18.3	85.6	4.8	17.8	X	4.2	19.9	
322	Paper	0.0	2.8	0.2	5.0	40.4	13.9	5.5	32.7	0.1	4.8	39.8	0.1	4.9	37.1	0.0	4.8	40.1	
32210	Pulp Mills	0.0	0.0	0.0	0.0	0.0	X	0.0	0.0	X	0.0	0.0	X	0.0	0.0	X	0.0	0.0	
32221	Paper Mills, except Newsprint	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
32222	Newsprint 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	0.0	0.0	0.0	0.0	0.0	
32230	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	0.0	0.0	0.0	0.0	0.0	
323	Printing and Related Support	0.0	67.0	X	3.8	15.6	X	3.8	15.5	X	3.7	16.1	67.0	3.8	15.7	X	3.5	16.7	
324	Petroleum and Coal Products	0.0	23.6	31.3	2.6	9.7	34.4	3.1	9.9	32.3	2.5	9.0	29.3	2.6	8.4	28.4	2.8	9.1	
32410	Petroleum Refineries	0.0	36.2	36.2	12.3	36.2	36.2	7.6	36.2	36.2	5.3	36.2	36.2	4.4	36.2	36.2	18.2	36.2	
32421	Asphalt Paving Mixture and Block	0.0	33.1	68.7	2.6	9.1	X	3.8	10.4	79.1	2.7	8.6	37.5	2.9	8.1	85.5	2.7	8.6	
32422	Asphalt Shingles and Coating Materials	0.0	X	X	3.1	19.8	X	4.2	18.5	X	4.2	17.1	X	4.2	18.4	X	4.1	20.0	
32499	Other Petroleum and Coal Products	0.0	0.0	0.0	0.0	0.0	X	0.0	0.0	X	0.0	0.0	X	0.0	0.0	X	0.0	0.0	
33	Chemicals and Allied Products	0.0	7.8	9.7	3.5	14.1	13.0	3.6	13.8	9.2	3.8	13.2	5.6	3.6	13.6	12.5	3.6	13.9	
3310	Petrochemicals	0.0	26.6	26.6	7.6	26.6	26.6	3.5	26.6	26.6	2.7	26.6	26.6	2.6	26.6	26.6	7.0	26.6	
33120	Industrial Gases	0.0	15.0	15.0	0.0	19.5	15.0	9.7	18.2	X	9.5	19.5	15.0	9.5	19.5	15.0	9.5	19.6	
33130	Other Basic Inorganic Chemicals	0.0	22.7	34.0	0.1	34.6	12.7	8.9	33.4	12.7	9.1	32.5	12.7	8.8	34.2	30.2	9.0	35.0	
33139	Ethyl Alcohol	0.0	18.2	25.2	3.4	17.8	20.9	2.0	14.7	X	1.7	14.0	X	1.6	14.2	21.7	1.9	17.7	
33194	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	0.0	0.0	0.0	0.0	0.0	
33199	Other Basic Organic Chemicals	0.0	13.9	12.4	6.6	40.4	18.7	6.6	36.2	12.4	6.6	34.9	12.4	6.5	37.9	13.0	6.7	38.1	
33211	Plastic Materials and Resins	0.0	10.5	21.9	1.7	18.8	10.9	1.8	12.1	8.1	1.8	25.4	8.1	1.8	25.4	8.1	3.1	37.4	
33212	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	0.0	0.0	0.0	0.0	0.0	
33220	Artificial and Synthetic Fibers and Filaments	0.0	6.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
33231	Nitrogenous Fertilizers	0.0	22.9	22.9	2.1	22.9	22.9	2.2	22.9	X	1.5	22.9	22.9	1.1	22.9	22.9	3.5	22.9	
33232	Phosphatic Fertilizers	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	0.0	0.0	0.0	0.0	
3324	Pharmaceuticals and Medicines	0.0	18.9	11.0	7.7	24.1	16.8	6.6	27.3	13.9	7.9	23.7	16.7	6.6	26.9	13.9	6.8	27.0	
33242	Pharmaceutical Preparation	0.0	13.9	13.9	12.3	30.3	13.9	9.4	35.5	13.9	10.2	30.6	X	9.3	35.2	13.9	9.3	35.2	
33292	Photographic Film, Paper, Plate, and Chemicals	0.0	25.5	25.5	10.9	13.4	X	10.6	13.4	X	10.4	15.5	X	10.4	15.5	X	10.4	15.5	
336	Plastics and Rubber Products	0.0	52.5	66.6	4.3	18.1	64.9	4.4	17.4	X	4.3	17.9	64.9	4.1	18.5	87.2	4.1	18.5	
337	Nonmetallic Mineral Products	0.0	91.7	0.0	2.8	21.0	7.5	2.5	22.0	6.8	2.7	21.1	4.9	3.1	19.7	96.4	2.9	21.0	
33720	Clay Building Material and Refractories	0.0	X	X	0.9	15.6	X	1.1	14.9	X	1.8	18.9	X	1.2	13.5	X	1.8	20.8	
33721	Flint Glass	0.0	X	X	0.0	0.0	X	0.0	0.0	X	0.0	0.0	X	0.0	0.0	X	0.0	0.0	
33722	Other Pressed and Blown Glass and Glassware	0.0	X	X	1.8	34.7	X	2.2	23.6	X	1.9	24.3	X	1.9	24.3	X	1.9	24.2	
33723	Glass Containers	0.0	X	X	0.0	0.0	X	0.0	0.0	X	0.0	X	0.0	X	0.0	X	0.0	0.0	
33725	Glass Products from Purchased Glass	0.0	11.2	X	2.6	34.0	13.0	0.8	14.1	X	1.0	15.1	26.6	0.8	14.8	X	0.8	14.3	
33730	Cements	0.0	31.9	X	0.8	31.9	X	0.8	31.9	X	1.0	31.9	X	1.0	31.9	31.9	1.0	31.9	
33740	Lime	0.0	0.0	0.0	0.0	0.0	X	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
33740	Gypsum	0.0	X	X	6.4	49.9	X	1.1	17.3	X	1.1	17.3	X	8.5	56.4	X	0.9	17.3	
33799	Mineral Wool	0.0	X	X	1.7	25.9	X	1.5	26.1	X	1.7	25.9	X	1.7	25.9	X	1.5	26.1	
331	Primary Metals	0.0	6.1	2.5	2.5	14.9	12.1	2.3	14.0	2.6	2.3	13.3	6.6	2.5	12.8	3.3	2.3	14.7	
33110	Iron and Steel Mills and Ferroalloys	0.0	3.3	3.3	0.6	3.3	3.3	0.6	3.3	3.3	0.6	3.3	3.3	0.6	3.3	3.3	0.5	3.3	
3312	Steel Products from Purchased Steel	0.0	12.1	X	10.6	34.8	X	7.0	29.9	X	7.0	30.4	12.1	7.6	28.9	X	10.9	30.9	
3313	Aluminum and Aluminum	0.0	2.9	0.0	3.8	21.6	0.0	3.3	18.5	0.0	3.3	17.1	10.0	4.8	18.3	X	0.8	6.8	
331314	Secondary Smelting and Alloying of Aluminum	0.0	X	X	0.1	0.1	X	0.1	0.1	X	0.1	0.1	X	0.1	0.1	X	0.1	0.1	
331315	Aluminum Sheet, Plate and Foils	0.0	X	X	3.6	21.4	X	5.2	21.4	X	3.6	21.4	X	4.2	21.4	X	3.6	21.4	
331318	Other Aluminum Rolling, Drawing and Extruding	0.0	10.0	X	7.8	36.8	X	6.4	35.2	X	6.6	30.6	10.0	10.6	26.0	X	1.2	12.0	
3314	Nonferrous Metals, except Aluminum	0.0	12.3	10.8	3.4	33.2	13.8	6.8	32.4	X	6.8								