

Appendix A

Relative Standard Error

Table A1.A. Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, October 2008
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional	Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	25	14	--	5	--	0	36	7	0	8	7
Connecticut.....	0	297	--	14	--	0	177	15	0	9	11
Maine.....	0	64	--	9	--	--	46	6	--	33	17
Massachusetts.....	45	11	--	8	--	0	97	13	0	9	13
New Hampshire.....	0	159	--	5	--	0	60	28	--	57	6
Rhode Island.....	--	388	--	5	--	--	1,548	46	--	--	13
Vermont.....	--	3,001	--	0	--	0	109	31	--	--	50
Middle Atlantic.....	8	28	176	7	52	0	10	7	0	7	5
New Jersey.....	30	102	--	15	258	0	542	13	0	12	14
New York.....	32	27	221	11	--	0	10	10	0	13	10
Pennsylvania.....	8	68	264	12	25	0	72	10	0	7	7
East North Central.....	2	26	18	19	38	0	52	7	0	29	6
Illinois.....	5	71	22	50	188	0	247	14	--	0	9
Indiana.....	3	18	--	43	41	--	78	23	--	41	11
Michigan.....	9	68	0	36	0	0	100	12	0	34	10
Ohio.....	3	34	50	92	144	0	123	22	--	0	4
Wisconsin.....	10	189	0	23	--	0	86	14	--	51	11
West North Central.....	4	44	0	19	247	0	20	8	0	29	6
Iowa.....	12	155	0	39	--	0	158	22	--	215	14
Kansas.....	0	60	0	71	--	0	1,208	*	--	--	16
Minnesota.....	19	258	0	65	--	0	147	10	--	33	19
Missouri.....	5	123	--	15	0	0	10	46	0	0	6
Nebraska.....	19	38	--	33	--	0	134	52	--	--	15
North Dakota.....	14	116	--	6,004	268	--	0	44	--	--	14
South Dakota.....	41	1,626	--	993	--	--	20	33	--	0	81
South Atlantic.....	3	6	2	4	0	0	20	19	0	13	4
Delaware.....	16	92	0	53	0	--	--	3	--	0	20
District of Columbia.....	--	0	--	--	--	--	--	--	--	--	0
Florida.....	8	6	3	5	0	0	263	36	--	10	6
Georgia.....	1	75	0	5	--	0	32	40	0	74	6
Maryland.....	13	70	--	51	0	0	21	9	--	7	8
North Carolina.....	5	46	--	22	--	0	35	48	0	189	10
South Carolina.....	11	18	0	18	0	0	61	12	0	38	12
Virginia.....	9	17	--	12	--	0	56	26	0	19	8
West Virginia.....	4	19	0	181	0	--	104	0	--	0	5
East South Central.....	4	26	0	10	76	0	20	28	0	153	6
Alabama.....	9	102	--	20	66	0	30	43	--	161	14
Kentucky.....	5	46	0	140	0	--	50	11	--	0	5
Mississippi.....	1	11	--	6	391	0	--	35	--	184	7
Tennessee.....	3	20	--	131	0	0	31	21	0	0	4
West South Central.....	1	58	25	4	28	0	11	28	0	41	3
Arkansas.....	*	5	67	12	--	0	12	29	0	64	9
Louisiana.....	1	28	32	9	70	0	0	63	--	61	12
Oklahoma.....	4	260	--	7	561	--	20	101	0	51	7
Texas.....	0	93	34	4	22	0	71	45	--	20	4
Mountain.....	5	55	0	5	74	0	8	8	0	97	5
Arizona.....	3	47	--	3	--	0	3	103	0	--	3
Colorado.....	14	79	--	12	0	--	36	61	0	102	13
Idaho.....	178	6	--	38	--	--	12	9	--	84	58
Montana.....	27	140	0	630	0	--	21	43	--	--	31
Nevada.....	0	1	--	11	0	--	5	3	--	--	9
New Mexico.....	*	36	--	41	--	--	113	83	--	--	17
Utah.....	11	190	--	25	546	--	61	54	--	80	13
Wyoming.....	11	125	--	113	53	--	114	8	--	103	11
Pacific Contiguous.....	6	54	105	6	41	0	3	15	0	30	6
California.....	40	35	105	7	48	0	10	25	0	29	10
Oregon.....	0	413	--	6	0	--	4	13	--	182	6
Washington.....	0	391	--	17	0	0	2	7	0	54	8
Pacific Noncontiguous.....	133	9	--	29	623	--	26	23	--	42	16
Alaska.....	48	28	--	29	--	--	27	95	--	0	34
Hawaii.....	164	9	--	0	623	--	130	23	--	42	16

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Table A1.B. Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, Year-to-Date through October 2008
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional	Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	26	16	--	4	--	0	38	5	0	6	6
Connecticut.....	0	80	--	14	--	0	188	13	0	7	11
Maine.....	0	57	--	7	--	--	47	4	--	27	16
Massachusetts.....	43	15	--	6	--	0	109	11	0	6	11
New Hampshire.....	0	136	--	4	--	0	75	25	--	38	7
Rhode Island.....	--	502	--	5	--	--	1,760	30	--	--	13
Vermont.....	--	1,445	--	0	--	0	113	32	--	--	46
Middle Atlantic.....	7	19	154	4	53	0	12	6	0	6	4
New Jersey.....	20	182	--	8	237	0	715	9	0	8	8
New York.....	27	15	28	7	--	0	12	9	0	11	8
Pennsylvania.....	7	51	290	8	25	0	88	9	0	6	5
East North Central.....	3	29	18	13	32	0	60	7	0	21	5
Illinois.....	6	89	300	29	162	0	223	11	--	18	7
Indiana.....	6	49	--	28	34	--	101	30	--	35	10
Michigan.....	7	46	0	21	0	0	110	11	0	24	8
Ohio.....	3	37	37	21	121	0	130	19	--	0	3
Wisconsin.....	8	153	0	26	--	0	104	13	--	42	11
West North Central.....	4	67	0	31	248	0	21	6	0	21	8
Iowa.....	11	113	0	51	--	0	146	21	--	154	13
Kansas.....	0	156	0	111	--	0	1,338	*	--	--	31
Minnesota.....	14	264	0	41	--	0	190	7	--	24	14
Missouri.....	4	157	--	22	0	0	7	47	0	0	5
Nebraska.....	14	90	--	63	--	0	236	41	--	--	12
North Dakota.....	12	228	--	4,239	256	--	0	46	--	--	12
South Dakota.....	35	2,210	--	432	--	--	25	35	--	0	63
South Atlantic.....	2	5	*	4	0	0	25	24	0	9	5
Delaware.....	14	21	0	20	0	--	--	2	--	0	10
District of Columbia.....	--	0	--	--	--	--	--	--	--	--	0
Florida.....	5	4	*	6	0	0	299	42	--	6	7
Georgia.....	1	80	0	7	--	0	42	46	0	53	8
Maryland.....	10	65	--	24	0	0	27	7	--	5	6
North Carolina.....	5	46	--	27	--	0	42	65	0	94	16
South Carolina.....	11	65	0	28	0	0	82	5	0	36	17
Virginia.....	9	25	--	9	--	0	61	30	0	17	11
West Virginia.....	4	18	0	61	0	--	108	0	--	0	4
East South Central.....	2	35	0	11	78	0	25	35	0	79	8
Alabama.....	3	111	--	23	71	0	38	50	--	82	19
Kentucky.....	3	80	0	35	0	--	50	12	--	0	3
Mississippi.....	3	17	--	7	468	0	--	51	--	127	10
Tennessee.....	2	29	--	32	0	0	39	16	0	0	3
West South Central.....	1	20	22	6	30	0	15	49	0	31	6
Arkansas.....	1	108	47	86	--	0	19	36	0	41	50
Louisiana.....	1	7	28	14	79	0	0	76	--	44	19
Oklahoma.....	3	214	--	10	1,095	--	23	167	0	51	12
Texas.....	0	167	31	6	24	0	112	111	--	15	6
Mountain.....	4	77	0	4	111	0	8	8	0	84	4
Arizona.....	3	183	--	3	--	0	2	84	0	--	2
Colorado.....	13	283	--	14	0	--	24	71	0	102	13
Idaho.....	120	16,718	--	31	--	--	7	9	--	50	28
Montana.....	25	63	0	439	0	--	22	40	--	--	29
Nevada.....	0	149	--	9	0	--	2	5	--	--	8
New Mexico.....	*	176	--	38	--	--	75	99	--	--	16
Utah.....	9	220	--	22	548	--	41	54	--	73	10
Wyoming.....	8	158	--	83	93	--	145	12	--	60	9
Pacific Contiguous.....	4	44	103	5	38	0	2	24	0	26	6
California.....	35	32	103	6	43	0	6	41	0	25	11
Oregon.....	0	339	--	5	0	--	3	12	--	139	5
Washington.....	0	217	--	17	0	0	1	6	0	37	9
Pacific Noncontiguous.....	93	10	--	21	628	--	18	20	--	19	13
Alaska.....	40	45	--	21	--	--	18	91	--	0	21
Hawaii.....	127	10	--	0	628	--	92	20	--	19	14

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Table A2.A. Relative Standard Error for Net Generation by Fuel Type: Electric Utilities by Census Division and State, October 2008
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional	Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	0	335	--	465	--	--	95	0	--	--	21
Connecticut.....	--	74,547	--	0	--	--	620	0	--	--	574
Maine.....	--	238	--	--	--	--	--	--	--	--	238
Massachusetts.....	--	1,738	--	1,479	--	--	218	--	--	--	665
New Hampshire.....	0	173	--	0	--	--	65	0	--	--	6
Rhode Island.....	--	774	--	--	--	--	--	--	--	--	774
Vermont.....	--	3,001	--	0	--	--	173	0	--	--	104
Middle Atlantic.....	1,078	31	--	20	--	--	6	--	0	--	18
New Jersey.....	1,250	960	--	1,286	--	--	--	--	0	--	701
New York.....	1,199	26	--	20	--	--	5	--	0	--	18
Pennsylvania.....	--	1,808	--	1,274	--	--	76	--	--	--	800
East North Central.....	3	29	1	35	0	0	56	12	0	6	5
Illinois.....	72	412	46	247	--	--	485	202	--	--	86
Indiana.....	3	15	--	196	--	--	78	43	--	--	6
Michigan.....	9	102	0	123	0	0	106	--	0	0	11
Ohio.....	4	28	--	164	0	--	123	86	--	--	5
Wisconsin.....	9	197	0	35	--	--	93	7	--	12	13
West North Central.....	4	43	0	24	0	0	20	17	0	32	6
Iowa.....	12	148	0	38	--	--	158	83	--	215	14
Kansas.....	0	60	0	72	--	0	--	2	--	--	16
Minnesota.....	18	402	0	158	--	0	169	35	--	39	24
Missouri.....	5	122	--	22	0	0	10	72	0	0	7
Nebraska.....	19	38	--	31	--	0	134	56	--	--	15
North Dakota.....	14	106	--	9,199	--	--	0	142	--	--	14
South Dakota.....	41	1,626	--	993	--	--	20	102	--	0	81
South Atlantic.....	2	3	3	3	--	0	22	37	0	0	2
Delaware.....	--	36	--	1,201	--	--	--	--	--	--	1,237
District of Columbia.....	--	--	--	--	--	--	--	--	--	--	--
Florida.....	8	3	3	4	--	0	263	14	--	0	4
Georgia.....	0	27	--	5	--	0	32	--	0	--	2
Maryland.....	--	1,282	--	0	--	--	--	--	--	--	1,282
North Carolina.....	0	8	--	30	--	0	33	--	0	--	7
South Carolina.....	11	17	0	11	--	0	61	164	0	--	8
Virginia.....	1	4	--	0	--	0	54	0	0	--	2
West Virginia.....	4	20	--	0	--	--	190	0	--	0	5
East South Central.....	4	9	--	16	0	0	20	59	0	0	7
Alabama.....	9	75	--	40	--	0	30	--	--	--	17
Kentucky.....	5	27	--	21	0	--	50	60	--	0	5
Mississippi.....	1	1	--	6	--	0	--	0	--	--	4
Tennessee.....	2	16	--	0	--	0	31	253	0	--	3
West South Central.....	0	5	0	6	--	0	11	2	0	15	3
Arkansas.....	0	*	--	320	--	0	12	--	0	--	18
Louisiana.....	0	1	0	9	--	0	--	--	--	--	6
Oklahoma.....	0	1	--	6	--	--	20	0	0	--	4
Texas.....	0	42	0	10	--	--	69	322	--	15	6
Mountain.....	4	25	--	6	0	0	8	74	0	--	4
Arizona.....	0	13	--	4	--	0	3	107	0	--	2
Colorado.....	14	84	--	20	0	--	37	45	0	--	14
Idaho.....	--	61	--	896	--	--	13	--	--	--	640
Montana.....	483	11,566	--	2,454	--	--	22	--	--	--	405
Nevada.....	0	1	--	5	--	--	5	--	--	--	4
New Mexico.....	*	25	--	36	--	--	113	--	--	--	13
Utah.....	10	45	--	12	--	--	62	0	--	--	7
Wyoming.....	8	91	--	809	--	--	114	78	--	--	11
Pacific Contiguous.....	0	288	--	14	0	0	3	9	0	0	11
California.....	--	23	--	18	0	0	10	12	0	0	21
Oregon.....	0	0	--	1	0	--	4	50	--	--	3
Washington.....	--	2,979	--	52	--	0	2	14	0	--	36
Pacific Noncontiguous.....	22	8	--	29	--	--	27	140	--	0	16
Alaska.....	22	26	--	29	--	--	27	143	--	0	39
Hawaii.....	--	9	--	0	--	--	358	0	--	--	9

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(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional	Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	0	159	--	150	--	--	99	0	--	--	25
Connecticut.....	--	4,677	--	0	--	--	636	0	--	--	725
Maine.....	--	10,619	--	--	--	--	--	--	--	--	10,619
Massachusetts.....	--	180	--	174	--	--	181	--	--	--	250
New Hampshire.....	0	132	--	0	--	--	84	0	--	--	7
Rhode Island.....	--	704	--	--	--	--	--	--	--	--	704
Vermont.....	--	1,445	--	0	--	--	191	0	--	--	128
Middle Atlantic.....	1,675	15	--	13	--	--	7	--	0	--	14
New Jersey.....	1,126	831	--	826	--	--	--	--	0	--	527
New York.....	1,778	13	--	13	--	--	7	--	0	--	14
Pennsylvania.....	--	1,573	--	789	--	--	101	--	--	--	561
East North Central.....	4	32	7	30	0	0	64	12	0	4	5
Illinois.....	114	1,081	314	132	--	--	472	147	--	--	95
Indiana.....	7	55	--	114	--	--	101	28	--	--	8
Michigan.....	7	47	0	71	0	0	117	--	0	0	9
Ohio.....	4	29	--	50	0	--	130	95	--	--	4
Wisconsin.....	8	151	0	41	--	--	112	8	--	10	13
West North Central.....	4	65	0	39	0	0	21	10	0	21	8
Iowa.....	11	107	0	51	--	--	146	50	--	154	14
Kansas.....	0	156	0	112	--	0	--	1	--	--	31
Minnesota.....	13	271	0	79	--	0	205	22	--	26	16
Missouri.....	4	155	--	29	0	0	7	45	0	0	6
Nebraska.....	14	90	--	63	--	0	236	35	--	--	12
North Dakota.....	12	220	--	8,423	--	--	0	156	--	--	12
South Dakota.....	35	2,210	--	432	--	--	25	66	--	0	64
South Atlantic.....	2	3	*	3	--	0	27	12	0	0	2
Delaware.....	--	27,104	--	759	--	--	--	--	--	--	795
District of Columbia.....	--	--	--	--	--	--	--	--	--	--	--
Florida.....	2	3	*	3	--	0	299	9	--	0	3
Georgia.....	0	87	--	9	--	0	42	--	0	--	4
Maryland.....	--	896	--	0	--	--	--	--	--	--	896
North Carolina.....	0	43	--	38	--	0	39	--	0	--	12
South Carolina.....	11	86	0	18	--	0	82	28	0	--	11
Virginia.....	2	57	--	0	--	0	58	0	0	--	2
West Virginia.....	4	18	--	0	--	--	185	0	--	0	4
East South Central.....	2	10	--	20	0	0	25	39	0	0	9
Alabama.....	2	19	--	68	--	0	38	--	--	--	25
Kentucky.....	3	45	--	17	0	--	50	39	--	0	4
Mississippi.....	3	5	--	9	--	0	--	0	--	--	7
Tennessee.....	*	27	--	0	--	0	39	259	0	--	2
West South Central.....	0	4	0	7	--	0	17	1	0	11	4
Arkansas.....	0	309	--	145	--	0	19	--	0	--	27
Louisiana.....	0	2	0	10	--	0	--	--	--	--	8
Oklahoma.....	0	143	--	7	--	--	23	0	0	--	5
Texas.....	0	977	0	12	--	--	112	144	--	11	8
Mountain.....	3	83	--	5	0	0	8	45	0	--	3
Arizona.....	0	114	--	4	--	0	2	72	0	--	2
Colorado.....	13	299	--	22	0	--	24	62	0	--	13
Idaho.....	--	16,694	--	482	--	--	7	--	--	--	307
Montana.....	407	6,687	--	1,641	--	--	23	--	--	--	329
Nevada.....	0	149	--	5	--	--	2	--	--	--	4
New Mexico.....	*	164	--	34	--	--	75	--	--	--	12
Utah.....	8	236	--	11	--	--	41	0	--	--	6
Wyoming.....	6	75	--	521	--	--	145	86	--	--	9
Pacific Contiguous.....	0	751	--	13	0	0	2	6	0	0	11
California.....	--	38	--	16	0	0	6	8	0	0	27
Oregon.....	0	0	--	1	0	--	2	28	--	--	2
Washington.....	--	3,162	--	42	--	0	1	7	0	--	32
Pacific Noncontiguous.....	6	10	--	21	--	--	19	160	--	0	13
Alaska.....	6	44	--	21	--	--	18	164	--	0	22
Hawaii.....	--	10	--	0	--	--	247	0	--	--	10

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

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Table A3.A. Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, October 2008
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional	Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	32	9	--	4	--	0	42	9	0	7	7
Connecticut.....	0	286	--	11	--	0	185	15	0	9	10
Maine.....	0	216	--	1	--	--	57	6	--	20	14
Massachusetts.....	45	6	--	8	--	0	95	13	0	9	13
New Hampshire.....	--	222	--	0	--	0	85	46	--	57	11
Rhode Island.....	--	3,128	--	3	--	--	1,548	46	--	--	13
Vermont.....	--	0	--	--	--	0	139	109	--	--	80
Middle Atlantic.....	8	43	188	7	1,090	0	50	7	0	6	5
New Jersey.....	27	98	--	11	0	0	542	13	--	12	10
New York.....	32	76	221	12	--	0	57	12	--	9	13
Pennsylvania.....	8	64	2,106	9	1,090	0	94	9	0	8	6
East North Central.....	4	49	0	20	20	0	215	10	--	66	5
Illinois.....	5	45	--	45	0	0	217	14	--	0	6
Indiana.....	6	4,220	--	49	134	--	--	0	--	0	27
Michigan.....	141	2,238	0	36	0	0	395	17	--	66	21
Ohio.....	1	111	0	103	0	0	--	111	--	--	2
Wisconsin.....	1,521	2,281	--	*	--	0	717	30	--	--	34
West North Central.....	428	210	--	13	--	0	427	12	--	46	18
Iowa.....	--	9,367	--	17,155	--	0	0	35	--	--	84
Kansas.....	--	--	--	--	--	--	1,208	0	--	--	6
Minnesota.....	428	35	--	0	--	--	447	14	--	46	16
Missouri.....	--	--	--	16	--	--	--	0	--	--	16
Nebraska.....	--	--	--	1,937	--	--	--	349	--	--	646
North Dakota.....	--	--	--	--	--	--	--	4	--	--	4
South Dakota.....	--	--	--	--	--	--	--	35	--	--	35
South Atlantic.....	9	48	0	19	0	0	56	9	--	6	10
Delaware.....	13	200	--	68	--	--	--	3	--	--	23
District of Columbia.....	--	0	--	--	--	--	--	--	--	--	0
Florida.....	40	222	--	36	0	--	--	6	--	8	29
Georgia.....	--	1,860	--	7	--	--	534	142	--	0	12
Maryland.....	14	64	--	50	0	0	21	3	--	0	8
North Carolina.....	115	814	--	6	--	--	183	57	--	207	46
South Carolina.....	--	0	--	119	--	--	409	--	--	--	127
Virginia.....	44	100	--	26	--	--	440	11	--	0	21
West Virginia.....	7	0	0	96	--	--	76	0	--	0	8
East South Central.....	16	225	0	2	--	--	0	9	--	70	5
Alabama.....	0	7	--	3	--	--	--	0	--	221	10
Kentucky.....	16	252	0	0	--	--	0	--	--	--	13
Mississippi.....	0	--	--	0	--	--	--	--	--	74	*
Tennessee.....	--	--	--	0	--	--	--	81	--	--	81
West South Central.....	0	13	0	3	0	0	26	16	--	0	2
Arkansas.....	--	0	--	0	--	--	0	91	--	--	1
Louisiana.....	0	13	--	8	0	--	0	62	--	--	3
Oklahoma.....	0	0	--	8	--	--	--	5	--	--	7
Texas.....	0	15	0	4	0	0	607	21	--	0	3
Mountain.....	27	243	0	8	0	--	34	19	--	385	15
Arizona.....	--	--	--	4	--	--	--	--	--	--	4
Colorado.....	148	3	--	15	--	--	145	62	--	--	45
Idaho.....	--	--	--	25	--	--	57	19	--	--	26
Montana.....	25	78	0	1,083	0	--	39	3	--	--	29
Nevada.....	0	0	--	26	0	--	--	3	--	--	23
New Mexico.....	--	941	--	180	--	--	--	83	--	--	192
Utah.....	391	399	--	331	--	--	558	221	--	385	281
Wyoming.....	279	16,012	--	1,104	--	--	--	8	--	--	237
Pacific Contiguous.....	7	108	108	5	90	--	43	5	--	30	5
California.....	49	108	108	6	875	--	56	5	--	25	8
Oregon.....	--	--	--	4	--	--	72	31	--	182	5
Washington.....	0	*	--	15	0	--	131	10	--	54	8
Pacific Noncontiguous.....	157	25	--	--	--	--	317	32	--	200	61
Alaska.....	170	--	--	--	--	--	--	--	--	--	170
Hawaii.....	164	25	--	--	--	--	317	32	--	200	64

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table A3.B. Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, Year-to-Date through October 2008
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional	Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	31	10	--	3	--	0	45	8	0	5	6
Connecticut.....	0	70	--	12	--	0	197	13	0	6	10
Maine.....	0	185	--	1	--	--	57	4	--	14	15
Massachusetts.....	43	7	--	5	--	0	130	11	0	6	11
New Hampshire.....	--	207	--	0	--	0	104	40	--	38	11
Rhode Island.....	--	2,968	--	3	--	--	1,760	30	--	--	34
Vermont.....	--	0	--	--	--	0	139	92	--	--	67
Middle Atlantic.....	7	32	81	4	676	0	54	6	0	4	4
New Jersey.....	18	180	--	5	0	0	715	8	--	8	6
New York.....	27	41	28	8	--	0	61	11	--	6	10
Pennsylvania.....	7	45	1,315	6	676	0	111	7	0	7	5
East North Central.....	3	48	0	12	25	0	194	10	--	49	4
Illinois.....	4	29	--	22	0	0	185	11	--	69	4
Indiana.....	4	7,638	--	27	412	--	--	0	--	0	17
Michigan.....	112	1,277	0	21	0	0	355	16	--	51	15
Ohio.....	*	275	0	19	0	0	--	90	--	--	1
Wisconsin.....	1,261	1,465	--	*	--	0	797	20	--	--	34
West North Central.....	36	1,811	--	18	--	0	535	8	--	31	14
Iowa.....	--	2,296	--	10,711	--	0	1,564	22	--	--	80
Kansas.....	--	--	--	--	--	--	1,338	0	--	--	10
Minnesota.....	36	3,024	--	0	--	--	622	9	--	31	8
Missouri.....	--	--	--	30	--	--	--	0	--	--	29
Nebraska.....	--	--	--	1,459	--	--	--	331	--	--	531
North Dakota.....	--	--	--	--	--	--	--	4	--	--	4
South Dakota.....	--	--	--	--	--	--	--	38	--	--	38
South Atlantic.....	9	41	0	18	0	0	73	10	--	5	12
Delaware.....	12	232	--	18	--	--	--	2	--	--	10
District of Columbia.....	--	0	--	--	--	--	--	--	--	--	0
Florida.....	52	403	--	45	0	--	--	5	--	5	40
Georgia.....	--	5,540	--	5	--	--	2,787	92	--	0	12
Maryland.....	11	58	--	23	0	0	27	2	--	0	6
North Carolina.....	120	2,242	--	4	--	--	248	72	--	103	51
South Carolina.....	--	0	--	99	--	--	659	--	--	--	107
Virginia.....	43	65	--	24	--	--	497	8	--	0	23
West Virginia.....	8	0	0	18	--	--	83	0	--	0	9
East South Central.....	9	622	0	2	--	--	0	6	--	55	4
Alabama.....	0	1,856	--	4	--	--	--	0	--	221	12
Kentucky.....	14	579	0	0	--	--	0	--	--	--	10
Mississippi.....	0	--	--	0	--	--	--	--	--	59	*
Tennessee.....	--	--	--	0	--	--	--	49	--	--	50
West South Central.....	0	114	0	6	0	0	37	14	--	0	5
Arkansas.....	--	0	--	99	--	--	0	90	--	--	99
Louisiana.....	0	1	--	8	0	--	0	40	--	--	4
Oklahoma.....	0	0	--	15	--	--	--	10	--	--	14
Texas.....	0	174	0	5	0	0	609	15	--	0	4
Mountain.....	26	150	0	7	0	--	34	23	--	272	13
Arizona.....	--	--	--	3	--	--	--	--	--	--	3
Colorado.....	132	957	--	18	--	--	96	72	--	--	54
Idaho.....	--	--	--	17	--	--	21	20	--	--	16
Montana.....	23	29	0	692	0	--	42	5	--	--	28
Nevada.....	0	0	--	20	0	--	--	5	--	--	19
New Mexico.....	--	2,053	--	186	--	--	--	99	--	--	278
Utah.....	289	337	--	301	--	--	378	176	--	272	268
Wyoming.....	168	7,298	--	1,457	--	--	--	12	--	--	158
Pacific Contiguous.....	5	112	105	5	195	--	28	5	--	22	5
California.....	44	141	105	5	795	--	34	5	--	17	8
Oregon.....	--	--	--	3	--	--	59	26	--	139	4
Washington.....	0	*	--	19	0	--	87	7	--	37	11
Pacific Noncontiguous.....	119	28	--	--	--	--	240	32	--	119	52
Alaska.....	110	--	--	--	--	--	--	--	--	--	110
Hawaii.....	127	28	--	--	--	--	240	32	--	119	57

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "**").

Notes: • See Glossary for definitions. • Values for 2008 are preliminary.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report;" Beginning with 2008 data, the Form EIA-923, "Power Plant Operations Report," replaced the following: Form EIA-906, "Power Plant Report;" Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" and Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table A4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, October 2008
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional	Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	--	303	--	60	--	--	0	61	--	133	52
Connecticut.....	--	3,533	--	375	--	--	--	--	--	--	423
Maine.....	--	1,414	--	2,194	--	--	--	73	--	133	124
Massachusetts.....	--	401	--	48	--	--	0	98	--	--	53
New Hampshire.....	--	418	--	--	--	--	--	--	--	--	418
Rhode Island.....	--	440	--	308	--	--	--	--	--	--	285
Vermont.....	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic.....	129	129	--	69	--	--	0	31	--	58	46
New Jersey.....	--	2,124	--	229	--	--	--	0	--	--	271
New York.....	0	139	--	51	--	--	0	62	--	114	43
Pennsylvania.....	376	318	--	196	--	--	--	0	--	0	101
East North Central.....	51	47	--	52	--	--	0	26	--	43	35
Illinois.....	0	556	--	37	--	--	--	409	--	--	36
Indiana.....	105	2,582	--	604	--	--	--	110	--	200	87
Michigan.....	0	91	--	449	--	--	--	17	--	18	9
Ohio.....	0	--	--	0	--	--	--	--	--	--	0
Wisconsin.....	1,492	3,368	--	307	--	--	0	166	--	520	178
West North Central.....	95	1,545	0	240	--	--	--	84	--	158	80
Iowa.....	130	4,207	0	732	--	--	--	110	--	--	116
Kansas.....	--	268	--	173	--	--	--	--	--	--	441
Minnesota.....	--	1,490	--	277	--	--	--	173	--	220	203
Missouri.....	0	27	--	0	--	--	--	--	--	0	9
Nebraska.....	--	--	--	7,035	--	--	--	207	--	--	224
North Dakota.....	--	--	--	--	--	--	--	--	--	--	--
South Dakota.....	--	--	--	--	--	--	--	--	--	--	--
South Atlantic.....	19	1,081	--	282	0	--	0	29	--	49	39
Delaware.....	--	--	--	--	--	--	--	--	--	--	--
District of Columbia.....	--	--	--	--	--	--	--	--	--	--	--
Florida.....	--	461	--	292	--	--	--	115	--	--	657
Georgia.....	--	56	--	--	--	--	--	--	--	--	56
Maryland.....	--	7,339	--	551	0	--	--	100	--	83	179
North Carolina.....	0	3	--	0	--	--	0	--	--	--	1
South Carolina.....	--	1,367	--	2,612	--	--	0	100	--	175	178
Virginia.....	105	0	--	--	--	--	--	25	--	46	96
West Virginia.....	--	--	--	--	--	--	--	--	--	--	--
East South Central.....	654	--	--	268	--	--	--	--	--	--	601
Alabama.....	--	--	--	--	--	--	--	--	--	--	--
Kentucky.....	--	--	--	--	--	--	--	--	--	--	--
Mississippi.....	--	--	--	884	--	--	--	--	--	--	884
Tennessee.....	654	--	--	281	--	--	--	--	--	--	605
West South Central.....	--	1,153	--	60	--	--	--	106	--	--	122
Arkansas.....	--	--	--	2,716	--	--	--	326	--	--	491
Louisiana.....	--	--	--	346	--	--	--	--	--	--	346
Oklahoma.....	--	103	--	383	--	--	--	--	--	--	485
Texas.....	--	1,224	--	56	--	--	--	112	--	--	137
Mountain.....	--	20	--	133	0	--	--	177	--	--	146
Arizona.....	--	199	--	287	--	--	--	340	--	--	470
Colorado.....	--	0	--	0	--	--	--	--	--	--	0
Idaho.....	--	--	--	--	--	--	--	--	--	--	--
Montana.....	--	--	--	--	--	--	--	--	--	--	--
Nevada.....	--	--	--	--	--	--	--	--	--	--	--
New Mexico.....	--	--	--	353	--	--	--	--	--	--	353
Utah.....	--	--	--	534	0	--	--	171	--	--	394
Wyoming.....	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous.....	--	874	--	46	413	--	0	39	--	0	46
California.....	--	879	--	46	413	--	0	39	--	0	77
Oregon.....	--	6	--	974	--	--	--	--	--	--	980
Washington.....	--	37,386	--	432	--	--	0	--	--	--	211
Pacific Noncontiguous.....	46	485	--	0	--	--	--	0	--	0	32
Alaska.....	46	816	--	0	--	--	--	0	--	--	46
Hawaii.....	--	0	--	--	--	--	--	0	--	0	0

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Table A4.B. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, Year-to-Date through October 2008
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional	Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	--	470	--	43	--	--	0	56	--	101	40
Connecticut.....	--	5,130	--	280	--	--	--	--	--	--	328
Maine.....	--	1,538	--	1,549	--	--	--	65	--	101	109
Massachusetts.....	--	649	--	34	--	--	0	95	--	--	42
New Hampshire.....	--	395	--	--	--	--	--	--	--	--	395
Rhode Island.....	--	424	--	232	--	--	--	--	--	--	212
Vermont.....	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic.....	129	150	--	53	--	--	0	28	--	45	37
New Jersey.....	--	2,447	--	173	--	--	--	0	--	--	215
New York.....	0	148	--	40	--	--	0	55	--	86	37
Pennsylvania.....	272	675	--	145	--	--	--	0	--	0	83
East North Central.....	37	227	--	45	--	--	0	22	--	30	28
Illinois.....	0	971	--	34	--	--	--	321	--	--	31
Indiana.....	63	3,222	--	510	--	--	--	88	--	139	55
Michigan.....	0	231	--	228	--	--	--	12	--	13	8
Ohio.....	344	--	--	0	--	--	--	--	--	--	344
Wisconsin.....	908	5,678	--	221	--	--	0	178	--	339	150
West North Central.....	67	1,323	0	182	--	--	--	77	--	137	59
Iowa.....	94	8,360	0	592	--	--	--	98	--	--	87
Kansas.....	--	341	--	173	--	--	--	--	--	--	514
Minnesota.....	--	1,291	--	208	--	--	--	158	--	173	159
Missouri.....	26	7,951	--	0	--	--	--	--	--	0	34
Nebraska.....	--	--	--	1,626	--	--	--	204	--	--	208
North Dakota.....	--	--	--	--	--	--	--	--	--	--	--
South Dakota.....	--	--	--	--	--	--	--	--	--	--	--
South Atlantic.....	28	643	--	310	0	--	0	25	--	39	43
Delaware.....	--	--	--	--	--	--	--	--	--	--	--
District of Columbia.....	--	--	--	--	--	--	--	--	--	--	--
Florida.....	--	42,596	--	327	--	--	--	114	--	--	806
Georgia.....	--	861	--	--	--	--	--	--	--	--	861
Maryland.....	--	9,842	--	2,374	0	--	--	84	--	74	164
North Carolina.....	0	3,708	--	0	--	--	0	--	--	--	6
South Carolina.....	--	1,165	--	3,009	--	--	0	86	--	131	182
Virginia.....	205	0	--	--	--	--	--	23	--	37	163
West Virginia.....	--	--	--	--	--	--	--	--	--	--	--
East South Central.....	563	--	--	208	--	--	--	--	--	--	535
Alabama.....	--	--	--	--	--	--	--	--	--	--	--
Kentucky.....	--	--	--	--	--	--	--	--	--	--	--
Mississippi.....	--	--	--	1,016	--	--	--	--	--	--	1,016
Tennessee.....	563	--	--	210	--	--	--	--	--	--	534
West South Central.....	--	894	--	66	--	--	--	107	--	--	145
Arkansas.....	--	--	--	3,115	--	--	--	316	--	--	541
Louisiana.....	--	--	--	381	--	--	--	--	--	--	381
Oklahoma.....	--	2,667	--	398	--	--	--	--	--	--	526
Texas.....	--	964	--	61	--	--	--	112	--	--	165
Mountain.....	--	47	--	144	0	--	--	185	--	--	184
Arizona.....	--	492	--	327	--	--	--	321	--	--	798
Colorado.....	--	0	--	0	--	--	--	--	--	--	0
Idaho.....	--	--	--	--	--	--	--	--	--	--	--
Montana.....	--	--	--	--	--	--	--	--	--	--	--
Nevada.....	--	--	--	--	--	--	--	--	--	--	--
New Mexico.....	--	--	--	413	--	--	--	--	--	--	413
Utah.....	--	--	--	608	0	--	--	95	--	--	473
Wyoming.....	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous.....	--	1,443	--	50	413	--	0	37	--	0	59
California.....	--	1,528	--	52	413	--	0	37	--	0	138
Oregon.....	--	27	--	651	--	--	--	--	--	--	678
Washington.....	--	14,453	--	323	--	--	0	--	--	--	189
Pacific Noncontiguous.....	65	550	--	0	--	--	--	0	--	0	33
Alaska.....	65	875	--	0	--	--	--	0	--	--	66
Hawaii.....	--	0	--	--	--	--	--	0	--	0	0

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Table A5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, October 2008
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional	Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	210	75	--	62	--	--	7	10	--	56	39
Connecticut.....	--	288	--	152	--	--	--	--	--	204	146
Maine.....	0	64	--	42	--	--	7	9	--	0	28
Massachusetts.....	334	341	--	382	--	--	0	--	--	0	303
New Hampshire.....	--	1,197	--	244	--	--	883	424	--	--	245
Rhode Island.....	--	0	--	--	--	--	--	--	--	--	0
Vermont.....	--	--	--	--	--	--	119	215	--	--	167
Middle Atlantic.....	88	175	274	102	50	--	36	23	--	0	42
New Jersey.....	--	1,280	--	171	258	--	--	318	--	0	152
New York.....	0	12	--	96	--	--	36	0	--	--	28
Pennsylvania.....	141	442	274	155	23	--	--	32	--	--	45
East North Central.....	44	99	70	87	44	--	55	14	--	16	31
Illinois.....	72	188	25	226	240	--	--	0	--	0	106
Indiana.....	178	200	--	71	40	--	--	62	--	0	201
Michigan.....	91	124	0	148	--	--	134	19	--	43	54
Ohio.....	175	334	461	192	144	--	--	20	--	0	67
Wisconsin.....	38	285	0	342	--	--	59	23	--	0	104
West North Central.....	68	4,405	--	180	268	--	18	20	--	122	54
Iowa.....	43	46,180	--	0	--	--	--	0	--	--	43
Kansas.....	--	--	--	510	--	--	--	--	--	--	510
Minnesota.....	186	4,426	--	204	--	--	18	21	--	122	86
Missouri.....	187	38	--	878	--	--	--	205	--	--	172
Nebraska.....	201	--	--	--	--	--	--	--	--	--	201
North Dakota.....	122	977	--	625	268	--	--	129	--	--	126
South Dakota.....	--	--	--	--	--	--	--	--	--	--	--
South Atlantic.....	45	53	0	47	0	--	16	24	--	29	29
Delaware.....	1,131	489	0	25	0	--	--	--	--	0	53
District of Columbia.....	--	--	--	--	--	--	--	--	--	--	--
Florida.....	238	199	--	72	0	--	--	61	--	12	70
Georgia.....	66	99	0	61	--	--	170	40	--	74	49
Maryland.....	0	227	--	238	--	--	--	0	--	--	38
North Carolina.....	145	118	--	1,348	--	--	0	54	--	46	143
South Carolina.....	38	0	--	0	0	--	--	0	--	0	11
Virginia.....	42	48	--	86	--	--	0	38	--	--	34
West Virginia.....	64	--	--	771	0	--	0	0	--	--	61
East South Central.....	48	163	--	86	76	--	0	29	--	215	62
Alabama.....	173	168	--	88	66	--	--	44	--	180	78
Kentucky.....	--	--	--	172	--	--	--	9	--	--	40
Mississippi.....	65	710	--	319	391	--	--	35	--	378	293
Tennessee.....	45	1,330	--	267	0	--	0	23	--	0	27
West South Central.....	156	189	158	11	49	--	--	38	--	47	20
Arkansas.....	56	13	67	79	--	--	--	29	--	64	38
Louisiana.....	132	153	285	16	144	--	--	64	--	61	33
Oklahoma.....	178	293	--	247	561	--	--	164	--	51	180
Texas.....	0	250	137	15	41	--	--	77	--	31	27
Mountain.....	106	823	--	109	83	--	--	17	--	25	52
Arizona.....	266	925	--	1,782	--	--	--	--	--	--	274
Colorado.....	--	1,576	--	410	--	--	--	--	--	102	1,876
Idaho.....	178	6	--	39	--	--	--	0	--	84	55
Montana.....	--	10	--	328	--	--	--	93	--	--	126
Nevada.....	--	--	--	252	--	--	--	--	--	--	252
New Mexico.....	--	87	--	1,690	--	--	--	--	--	--	1,777
Utah.....	0	--	--	210	546	--	--	--	--	0	20
Wyoming.....	87	939	--	67	53	--	--	--	--	103	53
Pacific Contiguous.....	42	50	187	27	50	--	455	48	--	29	36
California.....	44	164	187	29	50	--	--	209	--	29	41
Oregon.....	--	850	--	82	--	--	--	18	--	--	53
Washington.....	0	317	--	0	--	--	455	14	--	--	13
Pacific Noncontiguous.....	--	147	--	337	623	--	113	131	--	--	129
Alaska.....	--	323	--	337	--	--	--	127	--	--	262
Hawaii.....	--	158	--	--	623	--	113	159	--	--	139

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary.

Source: Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report."

Table A5.B. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, Year-to-Date through October 2008
(Percent)

Census Division and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional	Other Renewables	Hydroelectric Pumped Storage	Other	Total
New England.....	144	76	--	43	--	--	6	6	--	29	28
Connecticut.....	--	276	--	113	--	--	--	--	--	133	108
Maine.....	0	56	--	29	--	--	6	5	--	0	20
Massachusetts.....	259	300	--	271	--	--	0	--	--	0	224
New Hampshire.....	--	368	--	169	--	--	749	164	--	--	151
Rhode Island.....	--	0	--	--	--	--	--	--	--	--	0
Vermont.....	--	--	--	--	--	--	169	76	--	--	128
Middle Atlantic.....	72	235	297	77	51	--	26	21	--	0	30
New Jersey.....	--	2,081	--	125	237	--	--	291	--	0	124
New York.....	0	16	--	77	--	--	26	0	--	--	22
Pennsylvania.....	113	433	297	116	24	--	--	33	--	--	32
East North Central.....	37	138	63	75	37	--	48	12	--	12	23
Illinois.....	55	5,922	18	165	172	--	--	0	--	0	75
Indiana.....	137	255	--	76	33	--	--	52	--	0	222
Michigan.....	67	213	0	101	--	--	105	19	--	43	42
Ohio.....	144	413	506	260	123	--	--	18	--	0	51
Wisconsin.....	31	297	0	209	--	--	53	20	--	0	83
West North Central.....	63	4,288	--	177	256	--	58	15	--	77	48
Iowa.....	34	18,168	--	0	--	--	--	0	--	--	34
Kansas.....	--	--	--	364	--	--	--	--	--	--	364
Minnesota.....	161	5,471	--	194	--	--	58	16	--	77	73
Missouri.....	144	37	--	754	--	--	--	183	--	--	132
Nebraska.....	155	--	--	--	--	--	--	--	--	--	155
North Dakota.....	94	981	--	516	256	--	--	49	--	--	112
South Dakota.....	--	--	--	--	--	--	--	--	--	--	--
South Atlantic.....	42	37	0	73	0	--	12	29	--	20	43
Delaware.....	157	16	0	185	0	--	--	--	--	0	23
District of Columbia.....	--	--	--	--	--	--	--	--	--	--	--
Florida.....	231	179	--	73	0	--	--	64	--	7	73
Georgia.....	67	95	0	112	--	--	144	46	--	53	80
Maryland.....	0	294	--	186	--	--	--	0	--	--	32
North Carolina.....	129	105	--	510	--	--	0	71	--	28	131
South Carolina.....	40	0	--	0	0	--	--	0	--	0	15
Virginia.....	52	89	--	123	--	--	334	41	--	--	44
West Virginia.....	50	--	--	594	0	--	0	0	--	--	47
East South Central.....	40	229	--	128	81	--	0	36	--	121	103
Alabama.....	163	243	--	133	71	--	--	51	--	90	127
Kentucky.....	--	--	--	129	--	--	--	11	--	--	47
Mississippi.....	129	930	--	520	468	--	--	51	--	197	533
Tennessee.....	31	179	--	189	0	--	0	18	--	0	20
West South Central.....	148	172	181	19	54	--	--	52	--	34	35
Arkansas.....	107	126	47	55	--	--	--	36	--	41	49
Louisiana.....	166	110	300	29	176	--	--	77	--	44	58
Oklahoma.....	175	251	--	347	1,095	--	--	183	--	51	281
Texas.....	0	192	167	24	43	--	--	127	--	20	44
Mountain.....	59	1,059	--	85	118	--	--	18	--	20	46
Arizona.....	224	1,663	--	1,499	--	--	--	--	--	--	239
Colorado.....	--	27,415	--	463	--	--	--	--	--	102	603
Idaho.....	120	25	--	24	--	--	--	0	--	50	30
Montana.....	--	10	--	264	--	--	--	84	--	--	107
Nevada.....	--	--	--	257	--	--	--	--	--	--	257
New Mexico.....	--	8,140	--	1,528	--	--	--	--	--	--	1,743
Utah.....	0	--	--	180	548	--	--	--	--	0	19
Wyoming.....	67	1,186	--	61	93	--	--	--	--	60	52
Pacific Contiguous.....	40	50	208	27	46	--	581	65	--	32	41
California.....	41	405	208	29	46	--	--	412	--	32	48
Oregon.....	--	853	--	72	--	--	--	16	--	--	54
Washington.....	0	208	--	0	--	--	581	13	--	--	12
Pacific Noncontiguous.....	--	135	--	267	628	--	89	118	--	--	131
Alaska.....	--	291	--	267	--	--	--	104	--	--	196
Hawaii.....	--	136	--	--	628	--	89	139	--	--	134

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary.

Source: Energy Information Administration, Form EIA-920 "Combined Heat and Power Plant Report."

Table A6.A. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, October 2008
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	*	*	2	0	1
Connecticut	*	*	2	0	1
Maine	2	3	8	0	3
Massachusetts	1	*	3	0	1
New Hampshire	*	*	3	0	1
Rhode Island	0	0	0	0	0
Vermont	2	1	5	0	3
Middle Atlantic	*	*	1	*	*
New Jersey	*	*	1	0	*
New York	*	*	2	*	*
Pennsylvania	*	*	0	0	*
East North Central	*	*	1	0	*
Illinois	*	*	1	0	1
Indiana	1	1	1	0	1
Michigan	*	*	1	0	1
Ohio	1	*	1	0	1
Wisconsin	1	1	2	0	1
West North Central	1	1	1	19	1
Iowa	1	1	2	1,107	2
Kansas	3	3	6	0	2
Minnesota	1	1	2	0	2
Missouri	1	1	2	0	2
Nebraska	1	3	4	0	2
North Dakota	1	3	9	0	3
South Dakota	2	4	4	0	3
South Atlantic	1	1	1	0	1
Delaware	1	1	3	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	4	0	1
Georgia	2	2	3	0	1
Maryland	1	*	1	0	1
North Carolina	1	2	2	0	1
South Carolina	2	2	2	0	1
Virginia	1	1	3	0	1
West Virginia	*	*	0	0	*
East South Central	1	1	1	0	1
Alabama	1	3	2	0	1
Kentucky	1	1	1	0	1
Mississippi	2	4	4	0	2
Tennessee	1	1	2	0	1
West South Central	1	2	1	0	1
Arkansas	2	4	4	0	2
Louisiana	3	2	3	0	2
Oklahoma	2	3	4	0	2
Texas	1	2	2	0	1
Mountain	*	*	0	0	1
Arizona	*	*	1	0	1
Colorado	2	1	1	0	2
Idaho	1	2	2	0	1
Montana	2	3	4	0	2
Nevada	1	*	0	0	1
New Mexico	2	1	2	0	3
Utah	2	1	1	0	2
Wyoming	2	2	1	0	1
Pacific Contiguous	*	*	1	1	*
California	*	*	1	0	*
Oregon	1	2	4	0	1
Washington	1	1	4	597	1
Pacific Noncontiguous	1	2	2	0	1
Alaska	2	4	6	0	3
Hawaii	0	0	0	0	0

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A6.B. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, Year-to-Date through October 2008 (Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	1	*	2	2	1
Connecticut	1	*	3	5	1
Maine	1	2	3	0	2
Massachusetts	1	*	5	0	1
New Hampshire	1	*	4	0	1
Rhode Island	0	0	0	0	0
Vermont	4	1	6	0	4
Middle Atlantic	*	*	1	*	*
New Jersey	1	*	2	2	*
New York	1	*	3	*	*
Pennsylvania	*	*	0	0	*
East North Central	1	*	1	1	1
Illinois	1	1	1	1	1
Indiana	2	1	2	0	1
Michigan	1	*	1	0	1
Ohio	1	*	1	0	1
Wisconsin	2	1	2	0	1
West North Central	1	1	2	58	1
Iowa	3	1	3	4,453	2
Kansas	3	3	7	0	3
Minnesota	2	1	3	0	2
Missouri	2	1	3	0	2
Nebraska	2	2	5	0	2
North Dakota	2	2	10	0	3
South Dakota	3	3	5	0	3
South Atlantic	1	1	2	1	1
Delaware	2	1	5	0	2
District of Columbia	0	0	0	5	0
Florida	1	1	4	0	1
Georgia	2	2	4	0	2
Maryland	1	*	3	0	1
North Carolina	2	2	3	0	1
South Carolina	2	2	3	0	2
Virginia	1	1	4	0	1
West Virginia	*	*	0	0	*
East South Central	1	1	1	0	1
Alabama	2	3	2	0	2
Kentucky	2	1	1	0	1
Mississippi	3	4	5	0	3
Tennessee	2	1	3	0	2
West South Central	2	2	1	0	1
Arkansas	3	4	4	0	2
Louisiana	4	2	2	0	2
Oklahoma	2	3	4	0	2
Texas	2	2	2	0	1
Mountain	1	*	1	0	1
Arizona	1	1	1	0	1
Colorado	2	1	2	0	2
Idaho	1	1	2	0	1
Montana	2	2	5	0	3
Nevada	1	1	0	0	1
New Mexico	2	1	3	0	3
Utah	2	1	1	0	2
Wyoming	2	2	2	0	2
Pacific Contiguous	*	*	2	*	1
California	*	*	1	0	1
Oregon	1	1	5	0	2
Washington	1	1	4	51	1
Pacific Noncontiguous	1	1	2	0	1
Alaska	2	3	7	0	3
Hawaii	0	0	0	0	0

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A7.A. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, October 2008
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	*	*	2	0	1
Connecticut	*	1	2	0	1
Maine	1	1	2	0	1
Massachusetts	1	1	3	0	1
New Hampshire	1	1	2	0	1
Rhode Island	0	0	0	0	0
Vermont	3	4	8	0	5
Middle Atlantic	*	*	1	*	*
New Jersey	*	*	2	0	1
New York	*	*	2	*	*
Pennsylvania	*	1	1	0	1
East North Central	*	1	1	0	1
Illinois	1	1	2	0	1
Indiana	1	2	2	0	2
Michigan	1	1	2	0	1
Ohio	1	1	2	0	1
Wisconsin	1	2	2	0	2
West North Central	1	1	2	17	2
Iowa	2	4	4	979	4
Kansas	4	5	9	0	4
Minnesota	2	2	3	0	3
Missouri	2	2	5	0	3
Nebraska	2	3	5	0	2
North Dakota	2	2	9	0	2
South Dakota	2	4	5	0	3
South Atlantic	1	1	2	0	1
Delaware	1	2	4	0	3
District of Columbia	0	0	0	0	0
Florida	1	1	4	0	1
Georgia	2	2	4	0	2
Maryland	1	1	1	0	1
North Carolina	2	2	3	0	2
South Carolina	2	3	3	0	2
Virginia	1	1	4	0	1
West Virginia	1	1	*	0	1
East South Central	1	1	1	0	1
Alabama	2	3	3	0	2
Kentucky	2	3	2	0	3
Mississippi	2	4	6	0	3
Tennessee	1	2	2	0	2
West South Central	1	2	2	0	1
Arkansas	2	4	5	0	3
Louisiana	3	3	4	0	3
Oklahoma	2	3	5	0	2
Texas	1	2	2	0	1
Mountain	1	*	1	0	*
Arizona	1	1	1	0	1
Colorado	2	1	2	0	2
Idaho	1	2	2	0	1
Montana	2	2	4	0	2
Nevada	1	1	*	0	*
New Mexico	3	2	2	0	2
Utah	3	1	1	0	2
Wyoming	2	2	2	0	1
Pacific Contiguous	*	*	1	1	*
California	*	*	1	0	*
Oregon	1	1	4	0	1
Washington	1	1	4	571	1
Pacific Noncontiguous	1	1	1	0	*
Alaska	2	4	5	0	2
Hawaii	0	0	0	0	0

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)
Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.
Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A7.B. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, Year-to-Date through October 2008
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	1	*	2	2	1
Connecticut	1	*	2	5	1
Maine	1	1	1	0	1
Massachusetts	1	1	3	0	1
New Hampshire	1	1	3	0	1
Rhode Island	0	0	0	0	0
Vermont	4	2	7	0	4
Middle Atlantic	*	*	1	*	*
New Jersey	*	*	1	1	*
New York	*	*	1	*	*
Pennsylvania	1	*	1	0	*
East North Central	1	*	1	1	1
Illinois	1	1	2	1	1
Indiana	2	1	2	0	2
Michigan	1	1	1	0	1
Ohio	1	1	2	0	1
Wisconsin	2	1	3	0	2
West North Central	2	1	2	40	1
Iowa	4	3	4	2,509	3
Kansas	5	5	9	0	4
Minnesota	3	2	3	0	2
Missouri	3	2	5	0	2
Nebraska	3	2	6	0	3
North Dakota	2	2	11	0	3
South Dakota	3	3	6	0	3
South Atlantic	1	1	2	1	1
Delaware	2	2	4	0	2
District of Columbia	0	0	0	4	0
Florida	1	1	5	0	1
Georgia	3	2	4	0	2
Maryland	1	1	2	0	1
North Carolina	2	2	4	0	2
South Carolina	3	3	4	0	2
Virginia	2	1	5	0	1
West Virginia	1	1	*	0	1
East South Central	1	1	2	0	1
Alabama	2	3	3	0	2
Kentucky	3	2	2	0	2
Mississippi	4	4	6	0	3
Tennessee	2	2	3	0	2
West South Central	2	2	2	0	1
Arkansas	3	5	5	0	3
Louisiana	5	4	3	0	3
Oklahoma	3	4	6	0	3
Texas	2	2	2	0	1
Mountain	1	*	1	0	1
Arizona	1	1	1	0	1
Colorado	3	1	3	0	2
Idaho	2	2	3	0	2
Montana	2	2	5	0	2
Nevada	1	1	*	0	1
New Mexico	4	2	3	0	3
Utah	3	2	1	0	2
Wyoming	3	2	2	0	2
Pacific Contiguous	*	*	1	*	*
California	*	*	1	0	*
Oregon	1	1	5	0	1
Washington	1	1	4	46	1
Pacific Noncontiguous	1	1	1	0	1
Alaska	3	3	5	0	3
Hawaii	0	0	0	0	0

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A8.A. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, October 2008
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	*	*	2	0	*
Connecticut	*	*	*	0	*
Maine	2	1	1	0	2
Massachusetts	*	*	*	0	*
New Hampshire	*	*	2	0	1
Rhode Island	0	0	0	0	0
Vermont	*	*	*	0	*
Middle Atlantic	1	1	*	*	1
New Jersey	*	*	*	0	*
New York	1	1	1	*	1
Pennsylvania	*	*	*	0	*
East North Central	*	*	1	0	*
Illinois	*	*	*	0	*
Indiana	*	*	*	0	*
Michigan	*	*	1	0	*
Ohio	*	*	*	0	*
Wisconsin	*	*	*	0	*
West North Central	1	1	3	3	2
Iowa	*	*	*	164	*
Kansas	8	6	17	0	10
Minnesota	1	1	1	0	1
Missouri	3	1	*	0	2
Nebraska	2	2	4	0	1
North Dakota	2	9	15	0	5
South Dakota	1	3	4	0	1
South Atlantic	1	2	3	0	1
Delaware	1	2	*	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	1	0	1
Georgia	2	1	1	0	1
Maryland	*	*	*	0	*
North Carolina	*	*	1	0	*
South Carolina	5	5	16	0	2
Virginia	5	9	4	0	4
West Virginia	*	*	*	0	*
East South Central	1	1	2	0	1
Alabama	1	4	5	0	1
Kentucky	1	1	5	0	8
Mississippi	3	1	7	0	5
Tennessee	1	2	1	0	1
West South Central	1	*	1	0	1
Arkansas	3	2	4	0	3
Louisiana	5	1	1	0	2
Oklahoma	2	*	1	0	1
Texas	1	1	1	0	1
Mountain	*	*	1	0	*
Arizona	1	*	2	0	1
Colorado	2	1	3	0	1
Idaho	1	2	2	0	1
Montana	*	2	3	0	1
Nevada	1	1	*	0	*
New Mexico	1	2	1	0	1
Utah	1	*	1	0	*
Wyoming	2	2	3	0	2
Pacific Contiguous	1	*	3	*	1
California	1	*	1	0	1
Oregon	1	1	8	0	2
Washington	3	1	12	116	4
Pacific Noncontiguous	1	*	1	0	1
Alaska	3	1	3	0	2
Hawaii	0	0	0	0	0

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."

Table A8.B. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, Year-to-Date through October 2008
(Percent)

Census Division and State	Residential	Commercial	Industrial	Transportation	All Sectors
New England	1	1	4	1	1
Connecticut	*	*	*	2	*
Maine	5	3	3	0	3
Massachusetts	*	*	4	0	*
New Hampshire	3	1	12	0	2
Rhode Island	0	0	0	0	0
Vermont	2	1	1	0	1
Middle Atlantic	3	1	*	1	2
New Jersey	*	*	*	5	*
New York	3	2	2	*	3
Pennsylvania	*	*	*	0	*
East North Central	2	2	3	13	1
Illinois	10	20	64	26	15
Indiana	*	*	*	0	*
Michigan	*	*	3	0	*
Ohio	1	1	3	0	1
Wisconsin	3	*	*	0	1
West North Central	4	4	9	10	5
Iowa	*	*	*	594	*
Kansas	20	20	61	0	32
Minnesota	5	4	6	0	3
Missouri	8	3	*	0	5
Nebraska	19	8	19	0	12
North Dakota	8	28	44	0	13
South Dakota	4	8	14	0	5
South Atlantic	4	8	9	*	3
Delaware	5	6	1	0	6
District of Columbia	0	0	0	1	0
Florida	5	3	8	0	3
Georgia	10	4	4	0	6
Maryland	*	*	*	0	*
North Carolina	5	2	1	0	3
South Carolina	10	15	51	0	6
Virginia	19	30	13	0	16
West Virginia	*	*	*	0	*
East South Central	3	4	7	0	5
Alabama	7	14	16	0	6
Kentucky	10	4	22	0	22
Mississippi	6	4	21	0	13
Tennessee	6	4	8	0	4
West South Central	6	3	3	0	3
Arkansas	11	5	9	0	9
Louisiana	15	5	11	0	8
Oklahoma	8	2	6	0	4
Texas	13	7	5	0	8
Mountain	2	1	2	0	2
Arizona	6	4	6	0	5
Colorado	10	4	15	0	7
Idaho	3	4	5	0	4
Montana	6	5	8	0	4
Nevada	2	2	1	0	1
New Mexico	8	6	9	0	6
Utah	4	3	3	0	2
Wyoming	11	7	11	0	6
Pacific Contiguous	2	1	7	*	3
California	2	1	4	0	3
Oregon	8	2	13	0	5
Washington	10	3	28	110	11
Pacific Noncontiguous	3	1	3	0	2
Alaska	8	4	13	0	6
Hawaii	0	0	0	0	0

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" then values under 0.5 are shown as "*".)

Notes: • See Glossary for definitions. • Relative Standard Error is designed to indicate error due to sampling. However, nonsampling error is important for all surveys, census or sample. See Technical Notes for further information. • Values for 2008 are preliminary. • It should be noted that such things as large changes in retail sales, reclassification of retail sales, or changes in billing procedures can contribute to unusually high relative standard error.

Source: Energy Information Administration, Form EIA-826, "Monthly Electric Sales and Revenue Report with State Distributions."