

**Table A-1. State Benefits from Revised Efficiency Standards for Residential Furnaces and Boilers**

State	Cold/ Warm State*	Energy				Economic			Environmental			
		Annual End Use Natural Gas Savings – Mil. cu. ft. (2030)	Annual End Use Electricity Savings – GWh (2030)	Annual Energy Savings (All Fuels) Bil. Btu (2030)	Summer Peak Electric System Capacity Reduction MW (2030)	Nominal Value of Energy Savings (2030) \$ million	Net Present Value \$ million	Benefit -Cost ratio	Carbon – 1000 MT (2030)	NOx – MT (2030)	SO <sub>2</sub> – MT (2030)	PM10 – MT (2030)
AL	W	199	258	2,787	173	21.2	64	2.3	49	157	936	6
AK	C	468	77	1,253	-	11.8	27	2.9	13	91	70	37
AZ	W	431	389	4,336	299	37.5	102	2.3	64	16	474	2
AR	W	480	445	4,952	107	37.9	158	4.8	87	79	967	10
CA	W	1,732	1,158	13,380	594	154.2	180	1.5	322	240	811	56
CO	C	12,292	614	18,770	17	132.7	356	2.0	238	59	750	193
CT	C	835	184	4,190	11	51.5	177	4.2	79	327	223	213
DE	W	67	79	883	8	7.8	29	5.1	18	78	189	3
DC	W	18	65	684	7	5.8	22	5.3	14	61	154	3
FL	W	58	761	7,678	558	66.4	166	2.2	126	163	1,701	17
GA	W	1,734	606	7,977	159	69.7	256	3.5	134	429	2,200	18
HI	W	0	37	368	55	6.1	4	1.4	10	55	55	55
ID	C	1,539	162	3,208	9	22.2	76	2.4	55	79	132	69
IL	C	30,016	2,328	54,407	390	464.3	1,553	2.8	984	3,008	8,053	2,197
IN	C	12,303	1,092	23,698	210	196.6	706	2.8	392	2,300	4,440	1,313
IA	C	2,898	556	8,667	106	76.0	264	3.4	186	279	1,451	186
KS	C	4,012	439	8,597	224	71.3	205	2.2	136	121	955	126
KY	W	244	257	2,829	86	17.3	71	2.7	53	316	1,045	9
LA	W	327	531	5,657	232	45.7	157	3.3	100	91	1,154	11
ME	C	215	92	1,917	1	24.8	86	6.0	37	152	112	91
MD	W	1,101	563	6,905	57	57.7	237	5.1	135	595	1,341	27
MA	C	1,935	360	8,561	17	103.7	364	4.3	161	663	437	449
MI	C	19,815	1,974	40,358	181	316.8	1,055	2.9	673	3,953	8,025	2,126
MN	C	8,099	1,059	19,161	85	154.1	594	3.7	401	599	2,762	488
MS	W	326	150	1,834	116	14.6	35	1.9	31	100	543	4
MO	C	2,518	941	12,173	375	91.7	342	3.0	207	186	2,044	96
MT	C	1,112	151	2,651	3	19.5	69	3.0	46	67	122	51
NE	C	4,461	318	7,829	84	57.8	185	2.3	157	233	830	251
NV	W	321	174	2,074	71	18.6	55	2.9	39	57	141	8
NH	C	832	81	2,327	2	27.1	100	4.4	43	176	98	136
NJ	C	7,197	714	16,137	119	152.0	443	2.6	287	1,236	1,704	794
NM	W	199	185	2,056	22	17.7	56	3.2	30	8	226	1
NY	C	13,057	1,709	35,363	108	451.9	1,316	3.5	425	2,855	4,651	1,577
NC	W	790	667	7,641	122	66.1	240	4.0	132	425	2,418	17
ND	C	725	157	2,356	12	22.8	72	4.2	51	76	410	48
OH	C	17,947	2,062	39,320	312	339.6	1,150	3.0	662	3,896	8,379	1,936
OK	W	750	636	7,141	164	54.2	226	5.0	125	113	1,382	15
OR	C	3,990	205	6,150	9	54.8	99	1.5	101	143	166	171
PA	C	10,336	1,164	25,037	156	257.0	882	3.2	448	1,932	2,779	1,186
RI	C	452	58	1,484	3	17.5	59	3.6	28	114	70	82
SC	W	223	292	3,212	78	26.5	95	3.6	56	180	1,059	7
SD	C	1,255	153	2,853	24	22.7	84	3.3	59	89	399	75
TN	W	352	342	3,785	153	25.9	92	2.5	66	212	1,240	8
TX	W	3,048	2,624	29,409	1,247	269.9	843	3.5	540	934	4,188	63
UT	C	5,255	236	7,766	17	55.6	149	1.9	126	179	192	224
VT	C	770	49	1,644	1	17.8	65	4.0	30	122	59	103
VA	W	615	699	7,812	78	64.2	257	4.9	136	437	2,537	17
WA	C	3,076	375	6,910	9	50.1	117	1.7	120	172	304	140
WV	C	834	215	3,070	15	21.4	95	3.8	54	322	874	98
WI	C	5,373	1,114	16,814	81	148.3	557	4.3	324	1,003	3,848	426
WY	C	346	82	1,177	2	8.3	33	3.5	17	4	100	6
<b>US total</b>		<b>186,980</b>	<b>29,640</b>	<b>507,250</b>	<b>6,968</b>	<b>4,526.7</b>	<b>14,626</b>	<b>2.9</b>	<b>8,795</b>	<b>29,126</b>	<b>79,145</b>	<b>15,193</b>

\*Cold/warm state: We recommend a 90 AFUE natural gas furnace standard for “cold” states and a 81 AFUE furnace standard for “warm” states. States with more than 5000 average heating degree days are defined as “cold.”