

Senate-Passed Bill

ACEEE staff analysis June 2005

Policy Initiative	2010 Savings								2020 Savings							
	TWH	MW	Direct Gas BCF	Total Gas BCF	Oil MBD	Quads	\$ million	Carbon (MMT)	TWH	MW	Direct Gas BCF	Total Gas BCF	Oil MBD	Quads	\$ million	Carbon (MMT)
1. Appliance Efficiency Standards	12	3,715	56	118	0.00	0.18	\$1,349	3.3	66	22,503	96	440	0.00	0.78	6,305	14.7
2. Tax incentives																
a. New Homes	3	751	20	35	0.00	0.05	\$363	0.9	12	3,147	84	144	0.00	0.20	\$1,573	3.6
b. Central AC/HP	1	285	0	6	0.00	0.01	\$106	0.2	12	3,239	0	62	0.00	0.12	\$1,280	2.4
c. Gas water heaters	0	0	3	3	0.00	0.00	\$26	0.1	0	0	33	33	0.00	0.03	\$247	0.5
d. HP water heaters	0	52	0	1	0.00	0.00	\$15	0.0	1	259	0	5	0.00	0.01	\$79	0.2
e. Furnaces	1	286	2	8	0.00	0.01	\$98	0.3	7	1,850	18	53	0.00	0.09	\$693	1.6
f. Appliances	1	184	16	20	0.00	0.02	\$175	0.4	5	1,218	107	131	0.00	0.15	\$1,162	2.5
g. Comm. Bldgs.	3	812	10	26	0.00	0.04	\$305	0.8	14	3,883	49	123	0.00	0.20	\$1,535	3.6
h. Fuel cell cogen.	0	0	0	0	0.00	0.00	\$0	0.0	0	0	0	0	0.00	0.00	\$2	0.0
i. Fuel cell vehicles	0	0	0	0	0.00	0.00	\$1	0.0	0	0	0	0	0.00	0.00	\$22	0.0
j. Hybrid vehicles (light duty)	0	0	0	0	0.02	0.03	\$402	0.6	0	0	0	0	0.06	0.12	\$1,594	2.2
k. Hybrid vehicles (heavy duty)	0	0	0	0	0.00	0.00	\$21	0.0	0	0	0	0	0.03	0.05	\$686	0.9
l. CHP	0	0	137	137	0.00	0.14	\$1,040	2.0	0	0	152	152	0.00	0.15	\$1,123	2.2
m. Existing homes	0	129	11	13	0.00	0.02	\$118	0.3	1	386	32	40	0.00	0.05	\$356	0.8
n. Clean coke	3	580	10	27	0.00	0.04	\$196	0.8	4	675	12	30	0.00	0.05	\$395	0.9
3. Energy efficiency resource standard	5	1,451	19	48	0.00	0.08	\$570	1.4	9	2,319	29	73	0.00	0.12	\$961	2.2
4. CHP and Recycled Energy	11	2,000	0	35	~0	0.04	\$539	2.3	30	4,600	0	107	~0	0.11	\$1,578	6.0
5. RD&D authorizations	2	502	10	20	0.01	0.05	\$411	0.9	12	3,130	60	120	0.06	0.30	\$2,678	5.3
6. Misc. efficiency provisions																
a. Voluntary industrial commitments	2	553	13	21	0.01	0.03	\$222	0.8	5	1,244	38	62	0.02	0.13	\$725	2.2
b. Labeling of appliances	8	2,025	8	49	0.00	0.09	\$652	1.7	23	6,075	25	141	0.00	0.26	\$2,068	4.9
c. Federal facilities	1	377	3	4	0.00	0.02	\$134	0.4	4	978	6	25	0.00	0.05	\$365	0.9
d. High performance public buildings	0	90	1	2	0.00	0.00	\$31	0.1	1	271	2	7	0.00	0.01	\$100	0.3
e. A/C maintenance education	0	391	0	2	0.00	0.00	\$26	0.1	1	1,174	0	5	0.00	0.01	\$83	0.2
f. Public housing	0	71	1	2	0.00	0.00	\$42	0.1	1	212	3	7.28	0.00	0.01	93.1	1.0
g. Real-time pricing	2	1,927	0	9	0.00	0.02	\$105	0.4	5	5,782	0	26	0.00	0.05	\$334	1.0
7. Building Energy Codes	0	101	3	5	0.00	0.01	\$55	0.1	3	678	21	34.00	0.00	0.05	393.1	2.2
8. Public Awareness Campaign	6	1,648	19	52	0.01	0.11	\$970	2.1	4	974	10	29	0.01	0.06	\$594	1.2
10. Transportation & misc. oil																
a. 1 million bbls/day, no enforcement	0	0	0	0	0.07	0.13	\$1,631	2.4	0	0	0	0	0.53	1.00	\$12,594	18.3
b. Low rolling resistance tires	0	0	0	0	0.20	0.38	\$4,660	6.9	0	0	0	0	0.26	0.49	\$6,178	9.0
c. Extend dual fuel loophole	0	0	0	0	-0.05	-0.09	-\$1,101	-1.6	0	0	0	0	-0.05	-0.09	-\$1,115	-1.6
TOTAL	62	17,931	343	643	0.27	1.44	\$13,165	27.6	216	64,599	779	1,851	0.93	4.60	\$44,678	88.8

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Policy Initiative	Cumulative through 2010							Cumulative through 2020						
	Direct Gas TWH	Total Gas BCF	Oil Billion Bbls	Quads	\$ million	Carbon (MMT)	Direct Gas TWH	Total Gas BCF	Oil Billion Bbls	Quads	\$ million	Carbon (MMT)		
1. Appliance Efficiency Standards	29	140	295	0.00	0.45	3,372	8.2	498	721	3,300	0.00	5.61	47,287	109.9
2. Tax incentives														
a. New Homes	8	60	105	0.00	0.15	\$1,115	2.7	82	592	1,017	0.00	1.44	\$11,005	25.1
b. Central AC/HP	3	0	14	0.00	0.03	\$265	0.6	65	0	338	0.00	0.68	\$6,846	13.0
c. Gas water heaters	0	6	6	0.00	0.01	\$49	0.1	0	187	187	0.00	0.19	\$1,412	2.7
d. HP water heaters	1	0	3	0.00	0.01	\$44	0.1	6	0	32	0.00	0.06	\$497	1.2
e. Furnaces	3	6	22	0.00	0.04	\$274	0.7	41	105	316	0.00	0.53	\$4,044	9.7
f. Appliances	2	47	58	0.00	0.07	\$527	1.1	27	635	773	0.00	0.91	\$6,929	14.6
g. Comm. Bldgs.	9	30	77	0.00	0.12	\$908	2.3	97	329	833	0.00	1.34	\$10,227	24.2
h. Fuel cell cogen.	0	0	0	0.00	0.00	\$1	0.0	0	1	1	0.00	0.00	\$10	0.0
i. Fuel cell vehicles	0	0	0	0.00	0.00	\$2	0.0	0	0	0	0.00	0.01	\$99	0.1
j. Hybrid vehicles (light duty)	0	0	0	0.02	0.09	\$1,130	1.5	0	0	0	0.17	0.93	\$11,906	16.5
k. Hybrid vehicles (heavy duty)	0	0	0	0.00	0.00	\$40	0.1	0	0	0	0.04	0.23	\$3,018	4.2
l. CHP	0	509	509	0.00	0.51	\$4,060	7.5	0	1,999	1,999	0.00	2.00	\$15,258	29.4
m. Existing homes	1	32	40	0	0.05	\$366	0.8	11	259	318	0	0.38	\$2,870	6.1
n. Clean coke	8	26	66	0.00	0.11	\$491	2.0	23	86	203	0.00	0.35	\$2,464	6.4
3. Energy efficiency resource standard	14	48	122	0.00	0.20	\$1,453	3.7	113	385	970	0.01	1.55	\$12,699	28.7
4. CHP and Recycled Energy	28	0	88	~0	0.09	\$1,348	5.9	177	0	621	~0	1.83	\$9,348	35.3
5. RD&D authorizations	5	25	50	0.01	0.13	\$1,029	2.2	87	450	900	0.17	2.25	\$20,084	39.9
6. Misc. efficiency provisions														
a. Voluntary industrial commitments	4	32	53	0.01	0.08	\$555	1.9	35	287	466	0.06	0.96	\$5,435	16.6
b. Labeling of appliances	19	21	122	0.00	0.22	\$1,630	4.3	169	188	1,061	0.00	1.93	\$15,508	36.4
c. Federal facilities	2	4	15	0.00	0.03	\$228	0.7	36	63	250	0.03	0.50	\$4,149	11.2
d. High performance public buildings	1	1	6	0.00	0.01	\$79	0.2	8	13	51	0.00	0.10	\$852	1.9
e. A/C maintenance education	1	0	5	0.00	0.01	\$66	0.2	8	0	39	0.00	0.08	\$620	1.5
f. Public housing	1	3	6	0.00	0.01	\$105	0.2	6	24	55	0.00	0.11	\$938	2.0
g. Real-time pricing	4	0	22	0.00	0.04	\$323	0.9	37	0	193	0.00	0.39	\$3,053	7.4
7. Building Energy Codes	1	8	13	0.00	0.02	\$138	0.3	19	158	255	0.00	0.38	\$3,172	6.5
8. Public Awareness Campaign	15	48	130	0.01	0.28	\$2,426	5.2	69	206	565	0.06	1.25	\$10,723	22.6
10. Transportation & misc. oil														
a. 1 million bbls/day, no enforcement	0	0	0	0.00	0.03	\$317	0.5	0	0	0	1.20	6.23	\$78,120	113.3
b. Low rolling resistance tires	0	0	0	0.14	0.73	\$8,938	13.2	0	0	0	1.02	5.30	\$66,402	96.3
c. Extend dual fuel loophole	0	0	0	-0.05	-0.24	-\$2,988	-4.4	0	0	0	-0.28	-1.43	-\$17,913	-26.0
TOTAL	156	1,047	1,826	0.15	3.26	\$28,288	62.5	1,614	6,687	14,744	2.50	36.08	\$337,059	656.8