

Conference Report 2005

ACEEE staff analysis August 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	21	6,655	56	170	0.00	0.28	\$2,105	5.3	90	30,227	96	563	0.00	1.03	\$8,239	19.4
2. Tax incentives																
a. New Homes	1	188	5	9	0.00	0.01	\$91	0.2	3	787	21	36	0.00	0.05	\$393	0.9
b. Central AC/HP	1	191	0	4	0.00	0.01	\$71	0.2	8	2,170	0	42	0.00	0.08	\$858	1.6
c. Gas water heaters	0	0	2	2	0.00	0.00	\$18	0.0	0	0	22	22	0.00	0.02	\$166	0.3
d. HP water heaters	0	35	0	1	0.00	0.00	\$10	0.0	1	174	0	3	0.00	0.01	\$53	0.1
e. Furnaces	1	192	2	5	0.00	0.01	\$65	0.2	5	1,239	12	36	0.00	0.06	\$464	1.1
f. Appliances	0	123	11	13	0.00	0.02	\$117	0.3	3	816	72	88	0.00	0.10	\$779	1.7
g. Comm. Bldgs.	1	179	2	6	0.00	0.01	\$67	0.2	3	854	11	27	0.00	0.04	\$338	0.8
h. Fuel cell cogen.	0	0	0	0	0.00	0.00	\$0	0.0	0	0	0	0	0.00	0.00	\$1	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	\$12	0.0
j. Hybrid vehicles (light duty)	0	0	0	0	0.01	0.02	\$209	0.3	0	0	0	0	0.03	0.06	\$826	1.1
k. Hybrid vehicles (heavy duty)	0	0	0	0	0.00	0.00	\$11	0.0	0	0	0	0	0.01	0.03	\$355	0.5
l. Existing homes	0	26	2	3	0.00	0.00	\$24	0.1	0	77	6	8	0.00	0.01	\$71	0.2
3. 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
4. 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
5. 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	0.00	0.01	\$93	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
h. Energy efficiency resource standard	2	580	8	19	0.00	0.03	\$228	0.6	3	928	12	29	0.00	0.05	\$384	0.9
i. Daylight savings time	3	916	0	18	0.00	0.04	\$265	0.7	4	1,082	0	21	0.00	0.04	\$329	0.8
6. Building Energy Codes	0	101	3	5	0.00	0.01	\$55	0.1	3	678	21	34	0.00	0.05	\$393	2.2
7. 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
8. Transportation																
a. 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	63	18,770	145	452	0.00	0.72	\$5,368	15.3	206	63,474	419	1,438	0.10	2.55	\$21,162	52.7

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Policy Initiative	Cumulative through 2010							Cumulative through 2020						
	TWH	Direct Gas BCF	Total Gas BCF	Oil Billion Bbls	Quads	\$ million	Carbon (MMT)	TWH	Direct Gas BCF	Total Gas BCF	Oil Billion Bbls	Quads	\$ million	Carbon (MMT)
1. Appliance Efficiency Standards	53	140	425	0	0.71	5,261	13.3	675	723	4,219	0	7.79	\$62,954	145.2
2. Tax incentives														
a. New Homes	2	15	26	0.00	0.04	\$279	0.7	21	148	254	0.00	0.36	\$2,751	6.3
b. Central AC/HP	2	0	9	0.00	0.02	\$178	0.4	44	0	226	0.00	0.45	\$4,587	8.7
c. Gas water heaters	0	4	4	0.00	0.00	\$33	0.1	0	125	125	0.00	0.13	\$946	1.8
d. HP water heaters	0	0	2	0.00	0.00	\$30	0.1	4	0	22	0.00	0.04	\$333	0.8
e. Furnaces	2	4	15	0.00	0.03	\$183	0.5	27	70	212	0.00	0.35	\$2,710	6.5
f. Appliances	1	32	39	0.00	0.05	\$353	0.7	18	425	518	0.00	0.61	\$4,642	9.8
g. Comm. Bldgs.	2	7	17	0.00	0.03	\$200	0.5	21	72	183	0.00	0.29	\$2,250	5.3
h. Fuel cell cogen.	0	0	0	0.00	0.00	\$0	0.0	0	1	1	0.00	0.00	\$5	0.0
i. Fuel cell vehicles	0	0	0	0.00	0.00	\$1	0.0	0	0	0	0.00	0.00	\$51	0.1
j. Hybrid vehicles (light duty)	0	0	0	0.01	0.04	\$586	0.8	0	0	0	0.09	0.48	\$6,172	8.5
k. Hybrid vehicles (heavy duty)	0	0	0	0.00	0.00	\$21	0.0	0	0	0	0.02	0.12	\$1,564	2.2
l. Existing homes	0	6	8	0.00	0.01	\$73	0.2	2	52	64	0.00	0.08	\$574	1.2
3. CHP and Recycled Energy	28	0	88	-0	0.09	\$1,348	5.9	177	0	621	-0	1.83	\$9,348	35.3
4. 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
5. 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
h. Energy efficiency resource standard	5	19	49	0.00	0.08	\$581	1.5	45	154	388	0.00	0.62	\$5,079	11.5
i. Daylight savings time	17	0	91	0.00	0.18	\$661	3.6	54	0	279	0.00	0.56	\$4,425	10.8
6. Building Energy Codes	1	8	13	0.00	0.02	\$138	0.3	19	158	255	0.00	0.38	\$3,172	6.5
7. 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
8. Transportation														
a. 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	165	369	1,195	-0.01	1.88	\$13,377	39.9	1,562	3,158	10,947	0.17	20.24	\$155,012	373.9