

Summary Table of National Benefits from New Federal Efficiency Standards

<i>Summary of Benefits by Product</i>					2020			2030				
Products	Effective Date	Annual Svgs per Unit	Units	Incre-mental Cost per Unit	Savings		Summer Peak Capacity Reduction	Energy Savings		Summer Peak Capacity Reduction	B/C Ratio	Net Present Value ¹
	Year			\$	TWh	TBtu [Billion gallons water]	GW	TWh	TBtu [Billion gallons water]	GW		\$Million (2009\$)
Residential												
Battery chargers	2014	4	kWh	\$ 1	9.1	94.9	1.3	9.1	91.5	1.3	4.0	\$ 5,811
Central AC & HP	2016	545	kWh	\$ 255	5.3	55.6	6.0	17.2	172.7	19.4	2.8	\$ 7,331
Clothes dryers <i>(total)</i>	2014	-	-	\$ 50	3.6	41.1	0.5	9.2	101.1	1.4	2.2	\$ 4,133
<i>(electricity)</i>	2014	93	kWh	\$ 50	3.6	37.6	0.5	9.2	92.2	1.4	2.5	\$ 4,034
<i>(gas)</i>	2014	4	therms	\$ 50	NA	3.5	NA	NA	8.9	NA	1.1	\$ 99
Clothes washers	2015	244	kWh	\$ 96	3.8	59.4	0.6	7.6	116.0	1.1	4.3	\$ 15,627
<i>(electricity - machine)</i>	2015	22	kWh	\$ 9	0.7	7.7	0.1	1.5	14.9	0.2	7.8	\$ 603
<i>(electricity - water heating)</i>	2015	222	kWh	\$ 87	3.0	31.7	0.5	6.1	61.2	0.9	NA	\$ 2,474
<i>(gas)</i>	2015	10	therm	\$ 87	NA	20.0	NA	NA	39.9	NA	5.4	\$ 815
<i>(water)</i>	2015	5234	gallons	\$ -	Bil. Gal.-->	[273.45]	NA	Bil. Gal.-->	[546.9]	NA	NA	\$ 11,735
Direct heaters ²	2013	48	therm	\$ 326	NA	7.5	NA	NA	15.2	NA	1.8	\$ 652
<i>(gas)</i>	2013	48	therm	\$ 326	NA	9.0	NA	NA	18.0	NA	2.1	\$ 866
External power supplies	2013	2	kWh	\$ 1	2.1	21.6	0.3	2.1	20.8	0.3	1.4	\$ 544
Furnaces <i>(gas)</i>	2013	58	therms	\$ 520	NA	80.1	NA	NA	186.9	NA	1.8	\$ 7,058
Furnaces <i>(oil)</i>	2013	24	gallons	\$ 17	NA	2.3	NA	NA	5.4	NA	81.1	\$ 843
Furnace fans	2016	554	kWh	\$ 100	6.5	68.1	3.6	21.0	211.6	11.7	6.2	\$ 11,735
Microwave ovens	2012	16	kWh	\$ 2	1.8	18.4	0.3	1.9	18.8	0.3	5.7	\$ 1,453
Pool heaters	2013	20	therms	\$ 44	NA	2.9	NA	NA	2.9	NA	3.2	\$ 226
Refrigerators	2014	130	kWh	\$ 52	6.6	69.0	1.0	16.8	169.1	2.5	3.4	\$ 8,640
Room AC	2014	86	kWh	\$ 35	1.7	17.7	2.4	3.3	32.8	4.6	2.6	\$ 1,467
Water heaters	2013	-	-	\$ -	7.7	127.8	1.1	14.4	220.7	2.0	4.4	\$ 14,396
<i>(electricity)</i>	2013	220	kWh	\$ 65	7.7	80.3	1.1	14.4	144.6	2.0	3.8	\$ 8,262
<i>(gas)</i>	2013	14	therms	\$ 30	NA	47.5	NA	NA	76.0	NA	5.7	\$ 6,134

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					TWh	TBtu [Billion gallons water]	GW	TWh	TBtu [Billion gallons water]	GW		\$Million (2009\$)
Commercial												
Beverage vending machines	2012	682	kWh	\$ 157	0.3	3.1	0.1	0.5	4.8	0.1	4.5	\$ 286
Commercial boilers	2013	514	therms	\$ 2,968	NA	4.8	NA	NA	11.1	NA	3.2	\$ 771
Clothes washers (total)	2012	-	-	\$ 503	0.4	8.2	0.1	0.4	10.1	0.1	1.2	\$ 239
(electricity)	2012	208	kWh	\$ 446	0.4	3.7	0.1	0.4	4.4	0.1	NA	\$ (560)
(gas)	2012	27	therm	\$ 57	NA	4.5	NA	NA	5.7	NA	NA	\$ 425
(water)	2012	5827	gallons	\$ -	Bil. Gal.-->	[10.6]	NA	Bil. Gal.-->	[13.31]	NA	NA	\$ 373
Fluorescent ballasts	2014	18	kWh	\$ 2	2.1	21.5	0.7	5.1	51.1	1.7	9.7	\$ 2,815
Fluorescent lamps	2012	11	kWh	\$ 2	25.3	264.2	8.3	25.3	254.9	8.3	2.2	\$ 12,853
Incandescent reflector lamps	2012	62	kWh	\$ 3	7.5	78.1	1.8	7.5	75.3	1.8	2.9	\$ 5,061
BR \ exempted reflector lamps	2013	38	kWh	\$ 1	3.4	35.4	0.8	3.4	34.2	0.8	3.6	\$ 2,777
Liquid-immersed transformers	2016	2	kWh	\$ 2	0.9	9.5	0.1	2.9	29.6	0.4	1.7	\$ 928
Low-voltage dry type transformers	2016	25	kWh	\$ 5	2.5	26.5	0.4	8.2	82.3	1.1	7.3	\$ 5,643
Metal halide lamp fixtures	2015	360	kWh	\$ 35	4.6	47.5	1.5	12.8	129.0	4.2	13.2	\$ 7,836
Reach-in refrigerators and freezers	2016	1658	kWh	\$ 199	0.8	8.2	0.2	2.1	21.1	0.5	7.6	\$ 1,019
Small electric motors	2015	132	kWh	\$ 20	3.7	38.7	0.6	4.7	47.5	0.7	3.9	\$ 2,429
Walk-in refrigerators and freezers	2015	2128	kWh	\$ 273	0.6	6.1	0.1	1.3	12.8	0.3	7.1	\$ 676
Total					100	1,218	31.70	177	2,129	64.65		\$ 123,249