Massachusetts															
Summary of Benefits by Product	-			Annual Savings in 2020				Annual Savings in 2030				Economics			
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Products	Effective D	Annual Savin per Unit ¹	Incre-menta Cost per Uni	Electricity	Primary Ener	Summer Pea Capacity	Value of Bil Savings ²	Electricity	Primary Ener	Summer Pea Capacity	Value of Bil Savings ²	Pay Back Period ³	Benefit / Co: Ratio ⁴	Net Presen Value ⁵	Cumulative Energy Savin through 203
														\$Million	
	Year	kWh	\$	GWh	BBtu	MW	\$Million	GWh	BBtu	MW	\$Million	Years		(2009\$)	TBtu
Hot food holding cabinets	2013	1,815	\$453	1.7	17.4	0.5	\$ 0.3	3.3	33.5	1.1	\$ 0.5	1.6	6.7	\$ 3.1	0.4
Pool pumps	2013	390	\$452	0.03	0.3	7.7	\$ 5.4	0.04	0.4	10.3	\$ 7.8	6.6	1.2	\$ 8.7	6.0
Portable electric spas	2013	250	\$100	4.0	41.8	0.9	\$ 0.7	5.3	53.8	1.2	\$ 0.9	2.3	3.4	\$ 4.9	0.7
Portable lighting fixtures	2013	22	\$2	64.5	672.6	9.6	\$ 10.4	81.7	821.9	12.2	\$ 14.3	0.4	19.3	\$ 102.7	11.3
Televisions ⁶	2013	167	\$0	358.2	3,733.8	7.5	\$ 57.5	477.6	4,802.7	10.0	\$ 83.6	NA	NA	\$ 625.1	64.7
Water dispensers	2013	266	\$12	5.2	54.6	0.7	\$ 0.8	5.6	56.2	0.8	\$ 0.9	0.3	23.2	\$ 6.7	0.8
Total				434	4,521	27	\$ 75	574	5,769	36	\$ 108			\$ 751	84

State Energy Efficiency Standards Benefits - 2010 Model Bill

	Emissions	Reduction	s in 2020	Emission	s in 2030	
Broduct	CO2	NOx	SO2	CO2	NOx	SO2
Floudet	1000 MT	Tons	Tons	1000 MT	Metric Tons	Metric Tons
Hot food holding cabinets	0.9	1.0	4.5	2.2	1.9	9.0
Pool pumps	18.7	19.5	89.9	28.9	26.0	119.9
Portable electric spas	2.2	2.3	10.8	3.5	3.1	14.4
Portable lighting fixtures	36.0	37.7	173.6	53.0	47.7	219.9
Televisions	199.9	209.1	963.8	309.5	278.8	1,285.1
Water dispensers	2.9	3.1	14.1	3.6	3.3	15.0
Total	261	273	1,257	401	361	1,663

Notes:

¹ Annual savings per unit and incremental cost per unit is the difference between basic, inefficient products and products meeting the proposed standard. Statewide energy savings etimate accounts for market share of products which are more efficient than basic, inefficient products.

² Value of bill savings is based on energy savings in 2020 or 2030 and current average state energy prices. This value does not take account of the incremental cost of more efficient products.

³ Payback period is the length of time required to recoup any increase in product cost from advances in efficiency.

⁴ The benefit / cost ratio is a measure of the annual energy bill savings of an efficient product versus its incremental cost.

⁵ Net present value is the total monetary value of bill savings achieved by products sold under the standards between now and 2030 minus the total incremental product cost incurred by purchasers as a result of the standards over the same period expressed in current dollars. Both costs and savings are discounted using a 5% real discount rate.

⁶ The payback period and benefit/cost ratio were not calculated for televisions because the incremental cost for improvements in efficiency is estimated to be zero.