

For More Information Contact
Marianne DiMascio at
781-293-6309 or
mdimascio@standardsasap.org

www.standardsasap.org

Q & A APPLIANCE STANDARDS QUESTIONS AND ANSWERS

Savings from Standards Since 2009

Nov 2011



Over 30 years, standards for 17 products are expected to save the equivalent of 29% of US annual energy use



How Much Energy and CO₂ Will the U.S. Save from DOE Appliance Standards Rulemakings Completed Since 2009?

Energy and CO₂ Savings over 30 years

Product	Final Rule Date	Effective Date	Energy Savings Over 30 Years (Quads)	CO ₂ Savings Over 30 Years (MMT)
Comm. Refrigeration Equip.	January 2009	2012	1.04	52.6
Ranges and Ovens	April 2009	2012	0.14	13.7
Commercial Boilers	July 2009	2012	0.11	5.6
General Service Fluorescent Lamps	July 2009	2012	6.89	331.5
Incandescent Reflector Lamps	July 2009	2012	1.67	75.0
Beverage Vending Machines	August 2009	2012	0.16	9.6
Commercial Clothes Washers	January 2010	2013	0.10	5.1
Small Motors	March 2010	2015	2.20	112.0
Water Heaters	April 2010	2015	2.58	154.0
Direct Heating Equipment	April 2010	2013	0.21	8.8
Pool Heaters	April 2010	2013	0.02	0.8
Clothes Dryers	April 2011	2015	0.39	18.7
Room Air Conditioners	April 2011	2014	0.31	17.4
Furnaces	June 2011	2013	2.84	105.5
Central A/C and Heat Pumps	June 2011	2015	0.88	13.9
Refrigerators and Freezers	September 2011	2014	4.84	344.0
Fluorescent Lamp Ballasts	November 2011	2014	4.15	66.5

Notes: a. A “quad” is short for a quadrillion Btu (10¹⁵ Btu). “MMT” is short for million metric tons.

b. Energy savings estimates are “source” savings, which include losses in generation, transmission, and distribution.

c. Estimates of energy and CO₂ savings are taken from the final rules for each product and represent cumulative savings over a period of 30 years beginning in the year the new standard goes into effect.

d. For some rulemakings, DOE published high and low savings estimates. We present here the midpoint of those estimates.

For more information:

U.S. DOE Appliances and Commercial Equipment Standards Program:

http://www1.eere.energy.gov/buildings/appliance_standards/index.html