

State of Iowa Appliance Rebate Guideline

Products to be Rebated	Energy Star Criteria	Rebate Level (\$)	Targeted Quantity	Total Cost
HEATING	*Please see key below for acronyms			
Gas Boilers	AFUE \geq 85%	\$200	100	\$20,000
Gas Furnace	92% \leq AFUE < 94%	\$200	100	\$20,000
Gas Furnace	94% \leq AFUE <96%	\$300	100	\$30,000
Gas Furnace	AFUE \geq 96%	\$400	100	\$40,000
Propane Furnace	91.5% \leq AFUE<93%	\$150	81	\$12,150
Propane Furnace	93% \leq AFUE < 94.5%	\$250	100	\$25,000
Propane Furnace	AFUE \geq 94.5%	\$350	100	\$35,000
COOLING				
Central air system	SEER \geq 15	\$200	150	\$30,000
Window air conditioner	EER ~10% greater than Federal Standard, window units only	\$100	200	\$20,000
HOT WATER HEATERS				
Gas storage hot water heater (natural gas)	EF \geq 0.62 1/1/09 criteria	\$100	550	\$55,000
Heat Pump (electric)	EF \geq 2.0	\$200	300	\$60,000
Propane	EF \geq 0.62	\$150	120	\$18,000
OTHER APPLIANCES				
Refrigerator 12+ cu ft	20% better than Federal standard; Volume \geq 12 cubic feet	\$200	1000	\$200,000
Refrigerator 18+ cu ft	30% better than Federal standard; Volume \geq 18 cubic feet	\$500	3000	\$1,500,000
Clothes washer (Tier 3)	MEF \geq 2.2, WF \geq 4.5	\$200	1600	\$320,000
Dishwasher – Energy Star rating	\leq 324 kWh/year and \leq 5.8 gallons per cycle (8/11/09 criteria)	\$200	700	\$140,000
Dishwasher (Tier 2)	\leq 307 kWh/year and \leq 5.0 gallons per cycle (7/01/2001 Criteria)	\$250	1000	\$250,000
Total Rebates				\$2,775,150

DEFINITIONS

AFUE (Annual Fuel Utilization Efficiency) The AFUE is the most widely used measure of a furnace's heating efficiency. It measures the amount of heat actually delivered to your house compared to the amount of fuel that you must supply to the furnace. Thus, a furnace that has an 80% AFUE rating converts 80% of the fuel that you supply to heat -- the other 20% is lost out of the chimney.

EER (Energy Efficiency Ratio) is a measure of how efficiently a cooling system will operate when the outdoor temperature is at a specific level (95°F). The higher the EER, the more efficient the system.

EF (Energy Factor) indicates a water heater's overall energy efficiency based on the amount of hot water produced per unit of fuel consumed over a typical day.

kWh (Kilowatt Hour) is a unit of energy equal to 3.6 megajoules .

MEF (Modified Energy Factor) is a new equation that replaced Energy Factor as a way to compare the relative efficiency of different units of clothes washers. The higher the Modified Energy Factor, the more efficient the clothes washer is.

SEER (Seasonal Energy Efficiency Ratio) is most commonly used to measure the efficiency of a central air conditioner. The higher the SEER, the more efficient the system. SEER measures how efficiently a cooling system will operate over an entire season.