

Minimum Energy Efficiency Requirements For \$2000 Energy Savers Matching Grant

To be eligible for the \$2000 Energy Savers Grant, furnaces, boilers, air conditioners and hot water heaters must meet the **FEDERAL MINIMUM EFFICIENCY STANDARDS** listed below. These standards represent the **MINIMUM** efficiency requirements for new systems.

The HCBA recommends that owners consider purchasing heating and cooling systems that exceed these minimum requirements, since higher efficiency systems offer higher yearly energy savings. **Look for the Energy Star label to find the most energy efficient systems.**

All certified bungalow owners who receive the Energy Savers Grant to install heating or cooling systems, water heaters, or solar thermal systems must also install a 7-day Programmable Thermostat.

2004 MINIMUM FEDERAL ENERGY EFFICIENCY STANDARDS

FURNACES: 78% Annual Fuel Utilization Efficiency (AFUE)

These standards took effect in 1992.

Energy Star rated furnaces have minimum 90% AFUE.

BOILERS: 80% Annual Fuel Utilization Efficiency (AFUE)

These standards took effect in 1992.

Energy Star rated boilers have a minimum 85% AFUE.

***To qualify, a new furnace or boiler must increase the efficiency of your bungalow's heating system by 115%. For example, if your current boiler has an AFUE of 70%, your new boiler must have an AFUE of 80.5% or better.

AIR CONDITIONERS: Seasonal Energy Efficiency Rating (SEER) of 13

These standards took effect in January of 2006.

Energy Star rated systems have a minimum SEER of 14.

WATER HEATERS: The standards below took effect on January 20, 2004, replacing standards established in 1990. Energy Efficiency in water heaters is measured as the "**Energy Factor**" (EF).

	30 Gallon	40 Gallon	50 Gallon	60 Gallon
Gas-Fired Tank	.613 Energy Factor	.594 EF	.575 EF	.556 EF
Oil-Fired Tank	.533 EF	.514 EF	.495 EF	.476 EF
Electric Tank	.913 EF	.894 EF	.875 EF	.856 EF
Gas-Fired Instantaneous (Tank-less)	.563 EF	.544 EF	.525 EF	.506 EF
Electric Instantaneous (Tank-less)	.873 EF	.854 EF	.835 EF	.816 EF