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Analysis of Strategies for Reducing Multiple Emissions from Electric Power plants with Advanced Technology Scenarios

Table 2. Appliance Standards Assumed in This Study

Product	Old Standard	New Standard	Effective Date
Residential natural gas water heaters	0.54 EF	0.59 EF	2004
Residential electric water heaters	0.86 EF	0.90 EF	2004
Residential central air conditioners	10 SEER	12 SEER	2006
Residential clothes washers	0.817 MEF	1.04/1.26 MEF	2004/2007
Commercial water-cooled air conditioners	9.3 EER	12.0 EER	2003
Commercial natural gas furnaces	0.80 TE 1.5 percent casing losses	0.80 TE 0.75 percent casing losses	2003
Commercial natural gas water heaters	0.78 TE	0.80 TE	2003

Note: EF is energy factor (Btu out per Btu in); SEER is seasonal energy efficiency ratio (Btu out per watt-hour in); MEF is modified energy factor (cubic foot per kilowatt-hour per cycle); EER is energy efficiency ratio (Btu out per watt-hour in); TE is thermal efficiency (Btu out per Btu in). For commercial cooling equipment, a representative level is shown. Standards for these products vary by size and type of equipment.

Source: Energy Information Administration, Office of Integrated Analysis and Forecasting.