

APPENDIX B: HEATING EFFICIENCY OF OUTDOOR WOOD BOILERSⁱ

OWB	Heating Efficiency	Number of Tests
OWB A ⁱⁱ	45%	4
OWB B ⁱⁱ	55%	4
OWB C ⁱⁱⁱ	30%	5
OWB D ⁱⁱⁱ	37%	4
OWB E ⁱⁱⁱ	28%	2
OWB F ⁱⁱⁱ	31%	2
OWB G ⁱⁱⁱ	55%	7
OWB H ⁱⁱⁱ	37%	2
OWB I ^{iv}	55%	2
OWB J ^{iv}	53%	2
OWB K ^v	45%	1 cordwood
OWB L ^v	46%	1 lumber
Average^{vi}	43%	

ⁱ The results from Intertek and Omni Laboratories were provided to the OAG by the manufacturers. Note that due to the current lack of an established test methodology, the tests used may have differed. Thus, the results should be considered as a whole; comparisons between boilers may not be appropriate. For this reason, manufacturers' names are omitted.

ⁱⁱ Valenti, J. and Clayton, R., *Emissions from Outdoor Wood-Burning Residential Hot Water Furnaces*, EPA-600/R-98-017 (February 1998); names of OWB manufacturer 'A' and 'B' not provided in report.

ⁱⁱⁱ Intertek Laboratories 2004.

^{iv} Omni Laboratories 2004.

^v Intertek Laboratories 2004. Data provided on behalf of ASTM Committee to develop testing methods, using old 'nameless' OWB; data excluded from calculation of average.

^{vi} Average of OWB units A through J; data excluded for OWB units K and L.