Appendix A: Data Sources for Energy Savings Estimates

Table A-6: from **Opportunities for New Appliance and Equipment Efficiency Standards: Energy and Economic Savings Beyond Current Standards Programs**. Washington, D.C.: American Council for an Energy Efficient Economy. 2001

Products	2000 Sales	Current Standard or Baseline	New Standard or Average Use	Average Product Life	Annual Baseline and Savings/Unit Calculation	Per Unit Incremental Cost	Coincidental Peak Factor
Furnace & HP fans (heating)	Appliance 2001	ACEEE 2001	ACEEE based on Lennox 2001	DOE 2000b	ACEEE based on Lennox 2001	ACEEE bottom up	No summer peak
Furnace, A/C & HP fans (cooling)	Appliance 2001	ACEEE 2001	ACEEE based on Lennox 2001	DOE 2000b	ACEEE based on Lennox 2001	ACEEE bottom up	Thorne et al. 2000b
Consumer electronics (standby power)	Appliance 2001	Thorne & Suozzo 1998	1 watt standby	ACEEE estimate of average	ACEEE calculation assuming standby occurs 8,760 hrs	Suozzo & Nadel 1998	1/8,760 hrs
Ceiling fans	Appliance 2001	Calwell & Horowitz 2001	EPA/DOE 2001c	Calwell 2001; ACEEE estimate	Calwell 2001	E Source 2001	EIA 2000a
Torchiere lamps	Calwell & Horowitz 2001	EPA/DOE 2001d	CEC 2001	Calwell 2001; ACEEE estimate	EPA/DOE estimate of daily use (4 hrs)	EPA/DOE 2001	EIA 2000a
Commercial unit and duct heaters	Krauss et al. 1992	Krauss et al. 1992	ACEEE based on Krauss et al. 1992	Krauss et al. 1992	Krauss et al. 1992	Krauss et al. 1992	No summer peak
Dry-type transformers	Barnes et al. 1997	Barnes et al. 1997	NEMA 1998	DOE 2000c	Barnes et al. 1997	Barnes et al. 1997	Thorne et al. 2000a
Beverage vending machines	ADL 1996	ADL 1996	ADL 1996	ADL 1996	ADL 1996	ADL 1996	EIA 2000a
Commercial refrigerators & freezers	ADL 1996	ADL 1996	ADL 1996	ADL 1996	ADL 1996	ADL 1996	EIA 2000a
Traffic signals	Suozzo 1998	Suozzo 1998	EPA 2001; ACEEE estimate	ACEEE estimate from multiple sources (see Table 3.9.2)	ACEEE estimate from multiple sources (see Table 3.9.2)	CEE 2001	1/8,760 hrs
Exit signs	E Source 1994	EPA 2001	EPA 2001; ACEEE estimate	Suozzo & Nadel 1998	Units are on 8,760 hrs/yr	EPA 2001	1/8,760 hrs

Commercial clothes washers	CEE 2001	DOE 2000d	DOE 2000d	PG&E 2001	PG&E 2000	PG&E 2001	EIA 2000a
Beverage merchandisers	ADL 1996	ADL 1996	ADL 1996	ADL 1996	ADL 1996	ADL 1996	EIA 2000a
Ice makers	ADL 1996	ADL 1996	ADL 1996	ADL 1996	ADL 1996	ADL 1996	EIA 2000a
Large packaged A/C equipment	Census 1999	ASHRAE 1989	CEE 2001c	ASHRAE 1996	ACEEE estimate based on data used to develop ASHRAE 90.1-1999	DOE 2000a	Thorne et al. 2000b
Residential central A/C and HP	Appliance 2001	DOE 2000b	DOE 2000b	DOE 2000b	DOE 2000b adjusted	ACEEE estimate based on DOE 2000b	Thorne et al. 2000b
Small packaged A/C and HP	Census 1999	ACEEE estimate based on Census 1999	CEE 2001c	ASHRAE 1996	ACEEE estimate based on data used to develop ASHRAE 90.1-1999	*Cool Choice* market analysis 1998	Thorne et al. 2000b

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