

ESTIMATING YOUR ELECTRIC BILL

More than Bhergy						
Typical Appliance		Watts	\$/Use (13¢/kWh)	x Your Estimated Use	\$/Month	
KITCHEN						
refrigerators						
frost free (14-16 cu ft)		473	\$11.07 /month	(180 hours/month) =	-	/month
frost free (17-18 cu ft)		503	\$11.77 /month	(180 hours/month) =		/month
frost free (19-22 cu ft)		557	\$13.03 /month	(180 hours/month) =		/month
frost free (over 22 cu ft)		606	\$14.18 /month	(180 hours/month) =	\$	/month
freezers (15-21 cu ft)				=	\$	/month
manual defrost		347	\$10.83 /month	(240 hours/month) =	\$	/month
frost free		533	\$16.63 /month	(240 hours/month) =	\$	/month
dishwasher (hot water extra)		1200	\$0.16 /load	x loads/month =	\$	/month
microwave		1500	\$0.02 /use	x uses/month =	\$	/month
coffee maker: brew cycle		800	\$0.02 /brew	x brews/month =	\$	/month
coffee maker: keep warm		70	\$0.01 /hour	x hours/month =	\$	/month
reg. deep fryer		1800	\$0.23 /hour	x hours/month =	\$	/month
mini deep fryer		800	\$0.10 /hour	x hours/month =		/month
crock pot/"slow" cooker		200	\$0.03 /hour	x hours/month =	\$	/month
range top or frypan		1200	\$0.16 /meal	x meals/month =		/month
oven: baking		3500	\$0.46 /hour	x meals/month =		/month
oven: self cleaning feature		6000	\$1.56 /clean	x cleans/month =	\$	/month
toaster		1100	\$0.03 /use	x uses/month =	\$	/month
toaster-oven: oven		1500	\$0.04 /use	x uses/month =		/month
toaster-oven: broiling		3100	\$0.08 /use	x uses/month =		/month
LAUNDRY		0.00	ψοισο γ ασσ	<u> </u>	+	,
dryer		4800	\$0.47 /load	x loads/month =	\$	/month
iron		1200	\$0.16 /hour	x uses/month =		/month
washing machine (cold H2O)		500	\$0.07 /load	x loads/month =		/month
ENTERTAINMENT			ψοιοι γισαα	7 <u> </u>	¥	,
computer & monitor		200	\$0.02 /hour	x hours/month =	\$	/month
DVD / VCR		60	\$0.01 /hour	x hours/month =	\$	/111 0 11tt1
T.V. (35" Standard)		210	\$0.03 /hour	x hours/month =		/month
T.V. (42" Plasma)		290	\$0.04 /hour	x hours/month =		/month
T.V. (42 Flasma)		450	\$0.06 /hour	x hours/month =		/month
T.V. (40" LCD)		180	\$0.02 /hour	x hours/month =		/month
Older Gaming Systems		20-70		requirements on back of unit	Ψ	/month
Newer Gaming Systems		145-400		<u>-</u>		/month
Newer Gaming Systems 145-400 Look at the power requirements on back of unit PERSONAL						/111011111
hand-held hair dryer		1500	\$0.05 /use	x uses/month =	\$	/month
heating pad		60	\$0.03 /use	x uses/month =		/month
LIGHTING		00	ψυ.υτ /use	X	Ψ	/111011111
60 watt incandescent bulb		60	\$1.40 /month	(190 hours or 6 hours/day) -	¢	/month
		15	\$0.35 /month	(180 hours or 6 hours/day) =		/month
15 watt LED bulb			·	(180 hours or 6 hours/day) = (180 hours or 6 hours/day) =		
9.5 watt LED bulb		9.5	\$0.22 /month			/month
outdoor flood light OTHER		75	\$0.01 /hour	x hours/month =	a	/month
=		4000	ΦΩ 4Ω /h		Φ.	/ tl-
hot tub	17 5	1200	\$0.16 /hour	x hours/month =		/month
water pump	½ h.p.	547	\$0.07 /hour	x hours/month =		/month
@ 75% Eff	1 h.p.	1094	\$0.14 /hour	x hours/month =		/month
1 ½ h.p.		1641	\$0.21 /hour	x hours/month =		/month
2 h.p.		2188	\$0.28 /hour	x hours/month =	\$	/month
WINTER			00.40.4.1.		•	
electric blanket		150	\$0.16 /night	x nights/month =		/month
space heater		1500	\$0.20 /hour	x hours/month =	\$	/month
SUMMER						, .
ceiling fan (medium speed)		75	\$0.01 /hour	x hours/month =	\$	/month
VOLID FOTIMATED TYPICAL APPLIANCE USE OUR TOTAL						, .
YOUR ESTIMATED TYPICAL APPLIANCE USE SUB-TOTAL:					\$	/month

Water Heating 20 Gallons of water per person per day heated to 125°F; \$10.83/Month/Person @ \$0.13/kWh. Assumptions: 40 kWh/month heat loss from electric water heater or \$5.20/month WATER HEATING SUBTOTAL: \$10.83/month/person x _____ people + \$5.20/month = \$____/month YOUR ESTIMATED BASE BILL (appliance use + water heating sub-totals): \$_____ **Central Air Conditioning Systems** Design temperatures = 93°F outside; 78°F inside. **Assumptions** Operates 2,640 hours for moderate season. Costs \$0.13/kWh. YEARLY COSTS FOR SEASONAL ENERGY EFFICIENCY RATING (SEER) SIZE 10 11 12 13 14 15 16 17 18 6,000 BTU's (0.5-ton)\$206 \$187 \$172 \$158 \$147 \$137 \$129 \$121 \$114 \$317 12,000 BTU's \$374 \$343 \$294 \$257 \$229 (1.0-ton)\$412 \$275 \$242 18,000 BTU's \$515 \$386 \$343 (1.5-ton) \$618 \$562 \$475 \$441 \$412 \$363 24,000 BTU's \$588 \$824 \$749 \$686 \$515 \$458 (2.0-ton)\$634 \$549 \$485 30,000 BTU's \$1,030 \$936 \$858 \$792 \$735 \$686 \$644 \$572 (2.5-ton) \$606 36,000 BTU's \$1,236 \$1,123 \$1,030 \$950 \$883 \$824 \$772 \$727 \$686 (3.0-ton) 42,000 BTU's (3.5-ton) \$1,441 \$1,310 \$1,201 \$1,109 \$1,030 \$961 \$901 \$848 \$801 48,000 BTU's (4.0-ton) \$1,647 \$1,498 \$1,373 \$1,267 \$1,177 \$1,098 \$1,030 \$969 \$915 60,000 BTU's (5.0-ton)\$2,059 \$1,872 \$1,716 \$1,584 \$1,471 \$1,373 \$1,287 \$1,211 \$1,144 MONTHLY COOLING SUBTOTALS: \$ _____ 0.06 = \$ _____ April / year x May \$ _____ /year x 0.13 = \$ _____ June \$ _____ 0.18 = \$_____ /year x July \$ _____ /year x 0.19 = \$ _____ August \$ _____ 0.19 = \$ _____ /year x September \$ _____ / year x 0.17 = \$ _____ October \$ _____ 0.08 =\$ / year x ESTIMATED SUMMER MONTH BILL (for desired month) (base + cooling) \$ _____ **Central Electric Heating Systems** Design temperatures = 31°F outside; 68°F inside. Assumptions Operates 1,159 hours - a moderate season. Costs \$0.13/kWh. **HEAT PUMP YEARLY COSTS - HEATING SEASON PERFORMANCE FACTOR** Heat **HSPF:** Size **Strip** 5.1 6.8 7.7 8.5 9.4 10.2 11.1 11.9 24,000 (2.0-ton) \$1,060 \$ 709 \$ 532 \$ 470 \$ 425 \$ 385 \$ 355 \$ 326 \$ 304 886 \$ 665 \$ 587 532 \$ 481 407 30,000 (2.5-ton) \$1,325 \$ \$ \$ 443 \$ \$ 380 \$1,064 \$ 798 \$ 704 \$ 638 \$ 577 \$ 532 \$ 36,000 (3.0-ton) \$1,590 489 \$ 456 \$ 744 \$ \$ 620 42,000 (3.5-ton) \$1,855 \$1,241 \$ 931 \$ 822 673 \$ 570 \$ 532 48,000 (4.0-ton) \$2,120 \$1,418 \$1,064 \$ 939 \$ 851 \$ 769 \$ 709 \$ 652 \$ 608 \$1,773 \$1,329 \$1,174 \$1,064 \$ 962 \$ 886 \$ 60,000 (5.0-ton) \$2,650 \$ 814 760 \$ 1,064 \$ \$ 2,127 \$ 1,595 \$ 1,409 \$ 1,276 \$ 1,154 72,000 (6.0-ton) \$ 3,179 977 \$ 912 MONTHLY HEATING SUBTOTALS: November \$ _____ 0.04 = \$ _____ /year x December \$ _____ /year x 0.33 = \$ January \$_____ /year x 0.34 = \$ _____ February \$ _____ 0.26 = \$_____ /year x

>> Disclaimer <<

/ year x

March \$_____

ESTIMATED WINTER MONTH BILL {for desired months} (base + heating)

While GRU can guarantee neither the accuracy of these estimates nor assume liability for their use, these estimates are reasonable and can be used as general guidelines for estimating your monthly bill. The magnitude of error of these estimates will be affected by equipment and condition, a home's heat loss and heat gain characteristics, operational and family usage patterns, and weather intensity.

0.03 = \$ _____