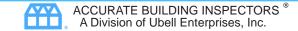
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WHAT'S YOUR E.Q.?

By Alvin Ubell & George Merlis

E.Q.? Energy Quotient! Are you energy-wise or energy-fuelish? Are you a 1,000-hitter or a 100-point energy wastrel? Here's a way to grade yourself. If you reach 1,000 points on this little energy audit, you've made just about every improvement you can and you lead an extremely energy-conscious existence. But most of us won't score anywhere near 1,000. We've gotten into some really bad habits over the years, and there's lots of room for improvement in most of our homes and in most of our lives. So take this test, grade yourself, your home and your lifestyle. And then follow my advice in the book and see how many points you can gain. You might think of it as a game; a game that can **pay you big-dollar prizes** as you approach the magic 1,000-point mark and win the **GOLD STAR**. And a game that's really rewarding to play.

YOUR ENERGY AUDIT

HEATING

Usual thermostat setting:		
Winter Day	Possible Points	Your Score
74 F	0	
73	3	
72	6	
71	9	
70	12	
69	15	
68	18	
67	21	
66	24	
65	27	
64	30	
Winter Night		
65 F	15	
64	18	
63	21	
62	24	
61	27	
60	30	
You use an electric blanket to allow		
you to lower thermostat at night	6	
You wear two sweaters indoors so you		
can lower thermostat during the day You've installed an automatic flue	9	
damper on your heat system	30	

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Your heating system has been serviced		
within the last six month	15	
You change or clean your heating system		
filters every month	3	
Your heating ducts have no leaks, or leaks		
have been taped	4	
All heating ducts or steam pipes are		
Insulated	4	
Your oil burner burns without smoke or		
signs of carbon on its surfaces	4	
You have a working draft adjuster in your		
oil burner	9	
Your gas burner burns with a clear, blue	9	
Flame	9	
	9	
Your gas burner has an electronic ignition	10	
system, not a pilot light	10	
Your oil burner is a new one with a	0.0	
retention head	30	
You use a humidifier during the winter	9	
Your radiators or air supply registers		
are not blocked by drapes or furniture		
and are clean	27	
You close off rooms not in use and turn		
off the heat in them	25	
You keep your fireplace damper shut,		
or you have glass fireplace doors	25	
On winter days, you open your drapes		
on the south side of the house and		
close them at night to take advantage		
of radiant heat from the sun	10	
	INSULATION	
Auto to a latter	INSULATION	
Attic insulation:	4.5	
None	-15	
2" or R-4	0	
4" or R-11	15	
6" or R-19	30	
8" or R-24	45	
10" or R-30	60	
12" or	75	
All your insulation has vapor barriers	15	
Your attic door is insulated	6	
Insulation in your exterior walls:		
None	-6	
3" or R-11	25	
5" or R-15	33	
Insulation in crawlspaces	•	
None	0	
6" or R-19	25	

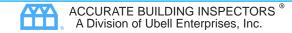
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6" or R-19 with vapor barrier Your attic and crawlspace are ventilated No basement crawlspace All outlets and switch plates are insulated Your foundation wall is insulated Vapor barrier on foundation wall	35 15 30 6 30 9	
You have storm windows You have storm doors or a vestibule	25 15	
WINDO	WS AND DOORS	
Your windows are not drafty Your doors are not drafty	30 15	
Cracks at doors, windows and where wood and masonry meet are caulked All window glass has full putty	30 15	
Double-glazed windows Broken windows (deduct for each)	25 -9	
WATER HEA	ATING AND USAGE	
Water heater has an insulated jacket	15	
You've set your water heater temperature at:	40	
110 F	12	
120	9	
130 140	6 3	
150 Hazardous Temperature!	0	
160 Hazardous Temperature!	-3	
170 Hazardous Temperature!	-6	
180 Hazardous Temperature!	-9	
You drain sediment from water heater	3	
every month	5	
You've installed solar water heater	44	
AIR CONDITION	NG AND VENTILATION	
Your air-conditioning thermostat is set at:		
74 F	0	
75	3	
76	6	
77	9	
78 70	15	
79 80	15 18	
80	18 20	
No air conditioning You use natural ventilation and wear	20	
lightweight clothes in summer	5	
You close drapes on hot, sunny days	5	
Tod Slobe diapos of flot, builty days	5	

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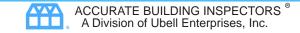


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You close windows and doors on hottest days Your air conditioners all have 8 or higher	5	
EER-(Energy Efficiency Ratios)	0	
Central System	9	
Window units-per unit	1.5	
Your air-conditioning units are shaded		
or on north side of house	_	
Central unit	5	
Window units-per unit	1	
You have an attic ventilation fan	15	
	LIGHTING	
You've installed fluorescent lights		
in kitchen	15	
	15	
All closet lights on auto-switch or	0	
timer switches	8	
You replace multiple low-watt bulbs		
with single high-watt bulbs for same	0	
light value but lower total wattage	9	
You habitually turn off lights when	45	
leaving a room	15	
You have energy-saving (solid state)	r	
dimmer switches (per switch)	5	
	TELEVISION	
Instant-on ty sets (deduct per set)		
Instant-on tv sets (deduct per set)	-5	
You turn off tv and hi-fi when not in use	-5 15	
	-5	
You turn off tv and hi-fi when not in use	-5 15	
You turn off tv and hi-fi when not in use You fall asleep with tv on	-5 15 -30	
You turn off tv and hi-fi when not in use You fall asleep with tv on Your refrigerator is in a cool spot	-5 15 -30 THE KITCHEN	
You turn off tv and hi-fi when not in use You fall asleep with tv on Your refrigerator is in a cool spot The EER of your refrigerator is above	-5 15 -30 THE KITCHEN 5	
You turn off tv and hi-fi when not in use You fall asleep with tv on Your refrigerator is in a cool spot The EER of your refrigerator is above You close the refrigerator door quickly,	-5 15 -30 THE KITCHEN 5 9	
You turn off tv and hi-fi when not in use You fall asleep with tv on Your refrigerator is in a cool spot The EER of your refrigerator is above You close the refrigerator door quickly, rather than dawdle	-5 15 -30 THE KITCHEN 5	
You turn off tv and hi-fi when not in use You fall asleep with tv on Your refrigerator is in a cool spot The EER of your refrigerator is above You close the refrigerator door quickly, rather than dawdle You have a manual-defrost refrigerator	-5 15 -30 THE KITCHEN 5 9 5 10	
You turn off tv and hi-fi when not in use You fall asleep with tv on Your refrigerator is in a cool spot The EER of your refrigerator is above You close the refrigerator door quickly, rather than dawdle You have a manual-defrost refrigerator You defrost it regularly	-5 15 -30 THE KITCHEN 5 9 5 10 5	
You turn off tv and hi-fi when not in use You fall asleep with tv on Your refrigerator is in a cool spot The EER of your refrigerator is above You close the refrigerator door quickly, rather than dawdle You have a manual-defrost refrigerator You defrost it regularly You clean the back of the refrigerator	-5 15 -30 THE KITCHEN 5 9 5 10	
You turn off tv and hi-fi when not in use You fall asleep with tv on Your refrigerator is in a cool spot The EER of your refrigerator is above You close the refrigerator door quickly, rather than dawdle You have a manual-defrost refrigerator You defrost it regularly You clean the back of the refrigerator The refrigerator door gasket fits tightly	-5 15 -30 THE KITCHEN 5 9 5 10 5 5 5	
You turn off tv and hi-fi when not in use You fall asleep with tv on Your refrigerator is in a cool spot The EER of your refrigerator is above You close the refrigerator door quickly, rather than dawdle You have a manual-defrost refrigerator You defrost it regularly You clean the back of the refrigerator The refrigerator door gasket fits tightly You air-dry dishes rather than use your	-5 15 -30 THE KITCHEN 5 9 5 10 5 5 5	
You turn off tv and hi-fi when not in use You fall asleep with tv on Your refrigerator is in a cool spot The EER of your refrigerator is above You close the refrigerator door quickly, rather than dawdle You have a manual-defrost refrigerator You defrost it regularly You clean the back of the refrigerator The refrigerator door gasket fits tightly You air-dry dishes rather than use your dishwasher drying cycle	-5 15 -30 THE KITCHEN 5 9 5 10 5 5 9 9	
You turn off tv and hi-fi when not in use You fall asleep with tv on Your refrigerator is in a cool spot The EER of your refrigerator is above You close the refrigerator door quickly, rather than dawdle You have a manual-defrost refrigerator You defrost it regularly You clean the back of the refrigerator The refrigerator door gasket fits tightly You air-dry dishes rather than use your	-5 15 -30 THE KITCHEN 5 9 5 10 5 5 9 9	
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You turn off tv and hi-fi when not in use You fall asleep with tv on Your refrigerator is in a cool spot The EER of your refrigerator is above You close the refrigerator door quickly, rather than dawdle You have a manual-defrost refrigerator You defrost it regularly You clean the back of the refrigerator The refrigerator door gasket fits tightly You air-dry dishes rather than use your dishwasher drying cycle You have a flow restrictor in your kitchen faucet Your gas range has an electronic ignition	-5 15 -30 THE KITCHEN 5 9 5 10 5 5 9 6	
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You turn off tv and hi-fi when not in use You fall asleep with tv on Your refrigerator is in a cool spot The EER of your refrigerator is above You close the refrigerator door quickly, rather than dawdle You have a manual-defrost refrigerator You defrost it regularly You clean the back of the refrigerator The refrigerator door gasket fits tightly You air-dry dishes rather than use your dishwasher drying cycle You have a flow restrictor in your kitchen faucet Your gas range has an electronic ignition	-5 15 -30 THE KITCHEN 5 9 5 10 5 5 9 6	

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-	THE LAUNDRY	
You wash with cold water	9	
You use a clothesline, rather than your dryer	9	
You turn off the iron when you're not using it	9	
You forget to turn off tile iron.Fire Hazard!	-18	
T	HE BATHROOM	
You shower rather than bathe	15	
You have a flow restrictor in your shower You fix leaky faucets promptly	6 15	
OUT	SIDE THE HOUSE	
	TSIDE THE HOUSE	
Trees and shrubs are placed to allow sun in winter, block wind in cold weather,		
but shade house in summer	40	
	BONUSES	
Installing a clock thermostat with		
day and night settings Installing a clock thermostat with	15	
double setback capability Installing a heat-producing greenhouse	20	
on the south side of the house	44	
Installing an energy monitor Installing a wood-burning stove (if wood	45	
is inexpensive in your area) Installing a windmill, solar heating	55	
and/or cooling, or any other renewable		
energy source	150	
	Possible	 Your
	total	total
	(approx. 1350 maximum*)	

lf

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HOW WELL DID YOU SCORE?

your score was	Here's how much you can save on your energy costs
0-99	50 to 75 percent VERY POOR
100-199	45 to 70 percent POOR
200-299	40 to 65 percent FAIRLY POOR
300-399	
400-499	
500-599	25 to 50 percent COPPER STAR
600-699	
700-799	15 to 40 percent BRONZE STAR
800-899	10 to 35 percent SILVER STAR
900-999	5 to 30 percent PLATINUM STAR
1000 or more	You've won the GOLD STAR!
	You've gone about as far as yo c an go.

But the chances are you haven't gotten to 1,000 points yet, so let's begin with the big energy-eater !!!

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- II. Good Morning America (Television program)
- III. Title:
- IV. Energy-saving guide

^{*} Possible total will vary from house to house, since points are given for gas furnaces which oil-heated houses won't qualify for and vice versa.