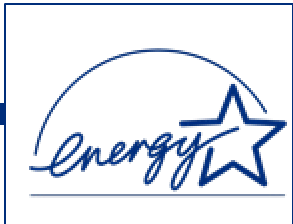


Hitch Your Wagon To a STAR



Let's not confuse this issue !!!

Builder Option Packages or BOPs are not in any way related to EPA's sampling protocol



“There is no reason for any individual to have a computer in their home”

KENNETH OLSON, PRESIDENT AND FOUNDER OF DIGITAL EQUIPMENT CORPORATION, IN 1977

“Airplanes are interesting toys but of no military value.”

MARSHALL FERINAND FOCH, FRENCH MILITARY STRATEGIST AND FUTURE WORLD WAR I COMMANDER, IN 1911

“[Television] won’t be able to hold on to any market it captures after the first six months. People will soon get tired of staring at the plywood box every night.”

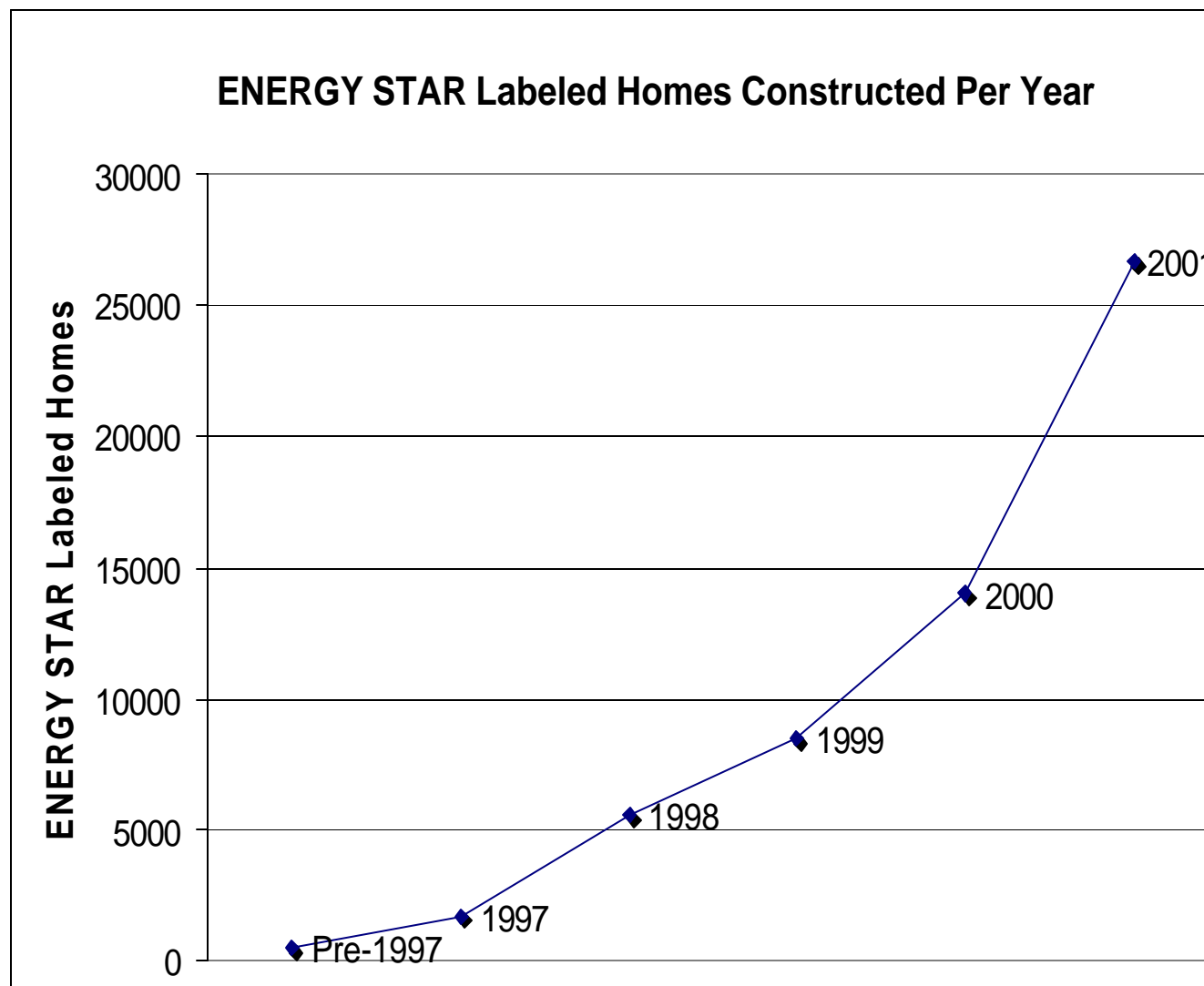
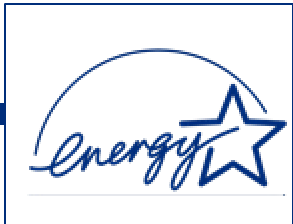
DARRYL F. ZANUCK, HEAD OF 20TH CENTURY-FOX, IN 1946

“Everything that can be invented has been invented”

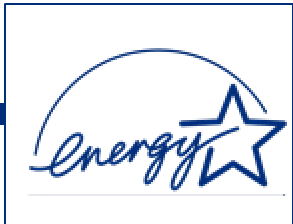
CHARLES H. DUELL, U.S. COMMISSIONER OF PATENTS, IN 1899

“Home buyers are not interested in energy efficiency. They would rather have a jacuzzis and granite countertops”

ANONYMOUS BUILDER, 1997



State	ENERGY STAR labeled Homes - 2000	ENERGY STAR labeled Homes - 2001	Successful Companies
Alaska	1158	1101	Alaska Housing Finance Corp.
Arizona	2361	6990	D.R. Wastchak, Southwest Gas, Tucson Electric Power Corp., Building Science Corp.
California	567	1192	CHEERS, Consol
Connecticut	206	366	Conservation Services Group, Connecticut L&P, Competitive Resources
Delaware	140	148	Energy Services Group
Florida	672	1064	Florida HERO, Florida Power Corp., FSEC, Florida Power and Light
Hawaii	78	1653	Hawaii Electric Light Co., Hawaiian Electric Co., Maui Electric Co.
Indiana	1148	1513	ERH Midwest, Thermoscan Inspections, Energy Diagnostics
Iowa	764	1242	ERH Iowa, A-Tec Energy, MidAmerican Energy
Louisiana	2	1005	ERH Louisiana
Maryland	376	486	Energy Services Group
Massachusetts	571	841	Conservation Services Group, NSTAR
Minnesota	233	345	Sheltersource, Building Science Corp.
Nevada	1603	2077	Builders' Choice Diagnostic Services, Southwest Gas, Consol
New Jersey	1506	1068	MaGrann Associates, NJ Energy Star Homes
Ohio	98	540	Energy Designed Homes, Ohio Office of Energy Efficiency
Oklahoma	122	108	Guaranteed Watt Savers
Texas	973	1365	Reliant Energy, Guaranteed Watt Savers, EnergySense
Utah	233	135	ERH of Utah
Vermont	247	340	ERH of Vermont
Wisconsin	218	449	Wisconsin Energy Conservation Corp.

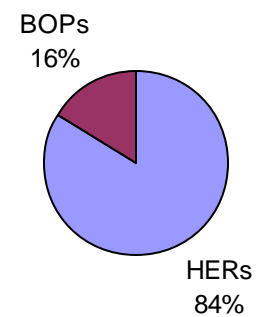


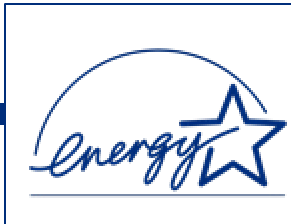
Who's Doing What?

Percentage of Homes Rated and Sampled



Percentage of Homes Rated and BOPed





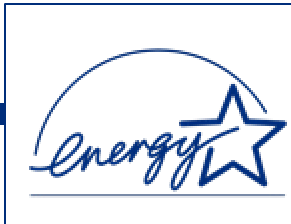
ENERGY STAR Rater Award Winners

Threshold 50 to 150 Homes	Homes Rated	
Conservation Services Group	51	WI
Energy Conservation Services of Alaska	52	AK
Florida Power & Light Company	87	FL
HomeOwner's Resource & Diagnostics, Inc.	95	CO
Sheltersource	61	MN
Ti-Le-An Management	80	AK
Town & Home Inc.	116	CA
150 to 300 Homes		
Florida H.E.R.O.	183	FL
300 Plus Homes		
Active Energy Inspections	301	AK
BCI Testing	384	AZ
ConSol - California Market	1046	CA
Energy Designed Homes	509	OH
Energy Diagnostics	524	IN
Thermo Scan Inspections	1171	IN



ENERGY STAR Provider Award Winners

Threshold 250 - 500 Homes	Homes Rated	
Building America Industrialized Housing Partnership - Florida Solar Energy Center	388	FL
ConSol - Las Vegas Market	477	NV
Energy Rated Homes of Vermont	340	VT
Energy Sense Systems	324	TX
E-Star Colorado	334	CO
Tucson Electric Power Company	462	AZ
Wisconsin Energy Conservation Corporation	449	WI
500 - 1000 Homes		
Conservation Services Group	942	MA
Energy Services Group, Wilmington, DE	595	DE
Florida Power, A Progress Energy Company	692	FL
Hawaiian Electric Company, Inc.	832	HI
Maui Electric Company, Limited	729	HI
Ohio Office of Energy Efficiency	544	OH
1000 Plus Homes		
Alaska Housing Finance Corporation	1103	AK
A-TEC Energy	1192	IA
Builders Choice Diagnostic Services, L.L.C.	1584	NV
Building Science Corporation	1011	MA
California Home Energy Efficiency Rating System, Inc.	1168	CA
D.R. Wastchak, L.L.C.	5860	AZ
Energy Rated Homes Midwest	1909	IN
Energy Rated Homes of Louisiana, Louisiana Department of Natural Resources	1008	LA
Guaranteed Watt Saver Systems, Inc.	1126	OK
MaGrann Associates	1068	NJ



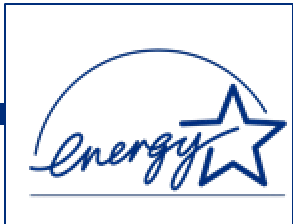
ENERGY STAR Sponsor Award Winners

Sponsors: 6 Total		
Threshold 250 to 500 Homes	Rated	
NSTAR	303	MA
Reliant Energy HL&P	324	TX
500 to 1000 Homes		
Public Service Electric and Gas Company	995	NJ
Washington Home Energy Assessment NeTwork / Building America Industrialized Housing Partnership	929	WA
1000 Plus Homes		
MidAmerican Energy Company	1201	IA
Southwest Gas Corporation	1583	NV



Partner of the Year 2001

*Sears, Roebuck &
Company*



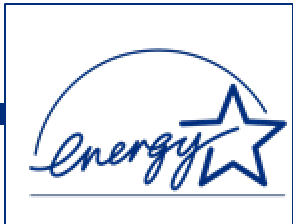
ENERGY STAR Partners of the Year

- DR Wastchak LLC
- Reliant Energy
- New Jersey Energy Star Homes
- Vermont Energy Investment Corporation
- Champion Enterprises
- Ence Homes
- NYSERDA



What is ENERGY STAR?

- *ENERGY STAR provides consumers with energy efficient solutions-giving individuals the power to protect our planet for future generations*
- *ENERGY STAR is the government-backed symbol for energy efficiency. It identifies homes and over 30 types of products that are energy efficient and do not sacrifice the features, quality and personal comfort that today's consumers expect*



What is ENERGY STAR?

- *ENERGY STAR Products and Appliances*
- *ENERGY STAR Homes*
- *ENERGY STAR Home Improvement*



How do I find out about ENERGY STAR at the RESNET Conference?

- ENERGY STAR New Homes
 - Break out Session #4, “Taking it to the Streets”- an Update on ENERGY STAR Marketing Materials
- ENERGY STAR Existing Homes
 - Break-out Session #2, ENERGY STAR Existing Homes Program

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Agency



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United States
Department of Energy

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HOME IMPROVEMENT TOOLBOX

with ENERGY STAR®



Use these tools to help you save energy and money when remodeling, repairing or improving your home.



Home Energy Yardstick
Find out how well your home's energy use compares to other homes.



Home Energy Advisor
Submit detailed information about your home and receive a customized package of energy-saving upgrades.



Home Doctor
Find energy-saving prescriptions for common household problems.



Home Remodeler
Get advice on your home remodeling projects to save energy and money year after year.

about the Toolbox

ENERGY STAR Labeled Homes

Coming Soon

EW ENERGY STAR Home Sealing

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  United States Environmental Protection Agency

 United States Department of Energy

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Toolbox Home
out the Toolbox
ne Energy Advisor
ne Doctor
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Compare Your Home's Energy Performance

- Compare your single-family home's energy performance to other homes.
- Find out how much you can save by improving your home's energy efficiency.
- Link to other resources that can help improve your home's energy performance.



Home Energy Yardstick


STEP 1

Enter your home's size, age, ZIP code and the number of people who live there.

STEP 2

Enter the amount and cost of energy your home used during a 12-month period.

STEP 3



Compare

YOUR SCORE

<< low performance

Your score is a 1.8 out of 10. 82%



Home Energy Yardstick - Step 3 - Netscape

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Bookmarks Location: <http://epaweb.icfconsulting.com/hey/Step3a.jsp?Rating=57&AdjustedEnergy=176389>

Yahoo The Hunger Site EPA Locator Home Improvemen Dana Medical Li People Yellow Pages

 **EPA** United States Environmental Protection Agency  United States Department of Energy


[Compare your home's energy performance](#) | [Benchmark your building's energy performance](#)

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Money Isn't All You're Saving

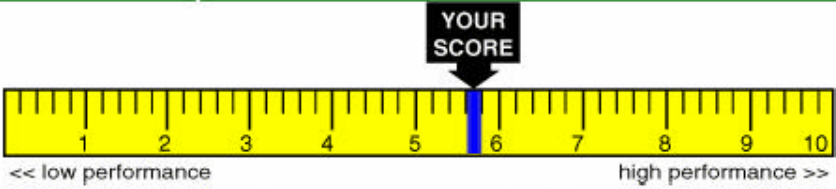
Toolbox Home
About the Toolbox
Home Energy Advisor
Home Doctor
Home Remodeler
Energy Star Labeled Homes

STEP 3 Your Results

 **Home Energy Yardstick**

How Do I Compare?

YOUR SCORE



<< low performance high performance >>

Printer Friendly Page

How Much Can I Save?

Potential for Improvement

If you can improve your score from 5.7 to you could potentially save per year in energy cost.

Note: If you did not enter your home's energy cost, then your potential savings is calculated based on average state energy rates.

What Can I Do Next?

Document: Done



10
minutes
is all
it
takes...



...to find out how your home's
energy use compares to
thousands of your neighbors.

Visit: <http://www.energystar.gov/yardstick>

ENERGY STAR helps you identify
solutions to help save money while
protecting the environment for
future generations.

Contact: Your Company
Your City, PA
1-800-YOUR ###

Stamp

Customer
Address

We offer diagnostic services and
energy saving solutions to improve
your comfort and save money.



Ten minutes at the Home Show is all it takes ...

to compare your home's energy use with thousands of your neighbors. We'll show you how ENERGY STAR® labeled products and services can help you save energy and money while protecting the environment. Stop by the ENERGY STAR booth (#1109) at the Providence Home Show.

What You Should Bring:

1. The year your home was built
2. The square footage of your home (total floor area)
3. Most recent utility bills showing your energy use for the last 12 months (total kWh of electricity, CCF of natural gas, gallons of propane or oil)



To find out more visit energystar.gov/yardstick

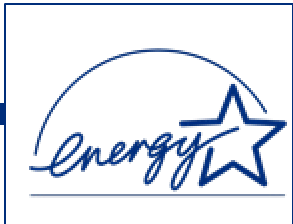
Code vs Energy Star Homes and Products

<i>Modeled Boston Home with Gas Heat</i>				
	HERS Score	Yardstick Score	Source Energy kBtu	Energy Saving
MEC Home	79	4.3	188551	-
ENERGY STAR Home	88.4	8.2	127586	494 therms 1125 kWh
ENERGY STAR Home w/ appliance, Lighting	88.4	9.1	112166	1500 kWh
ENERGY STAR Home w/ appliance, lighting, and electronics	88.4	9.4	105484	2150 kWh

Source: REM/RATE predictions generated by Glenn Chinery.

Assumptions: Boston home 1800 sq. ft. with basement. Assumed electric dryer and range for each home.



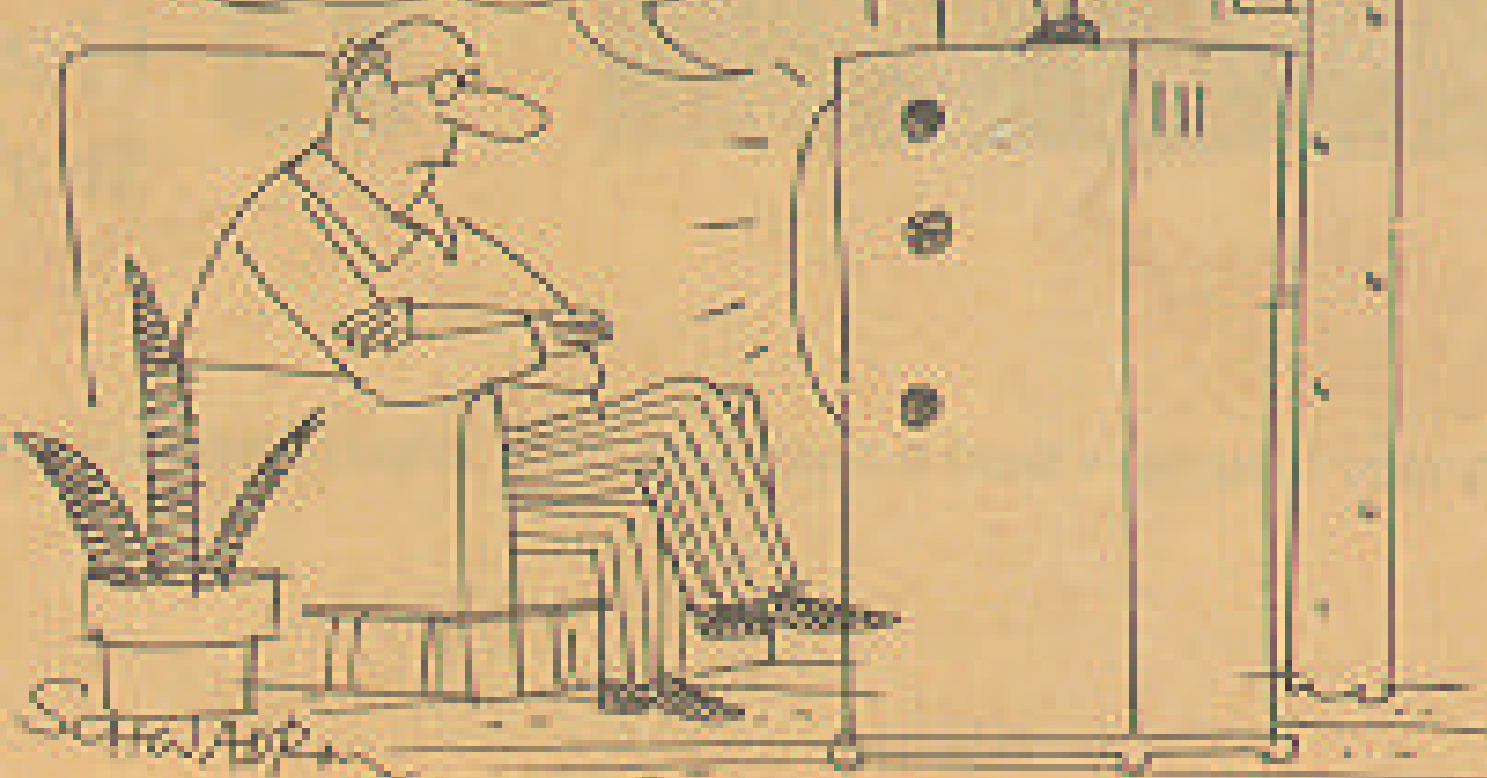


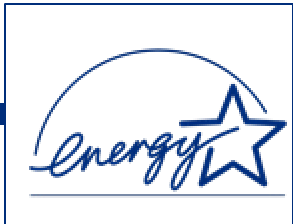
What's so important about this intersection?

- Changing state building codes
- Tax credits
- Lighting and appliances
- Multi-family
- Evaluation
- President's Energy Policy
- President's Climate Policy



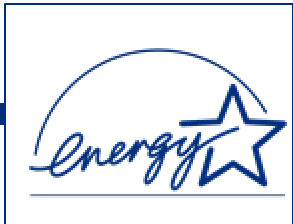
TODAY, THE GLOBAL
ECONOMY COLLAPSED, AND
EVERYONE AGREED TO GO
BACK TO SUBSISTENCE
FARMING.





To Conclude...

- ENERGY STAR's success depends on a strong rating providers and sponsors.
- ENERGY STAR is indebted to other efforts, both private and public, to improve energy efficiency
- The overall success to improve the efficiency of the housing stock depends on a well coordinated effort by all.



And Remember.....

Builder Option Packages or BOPs are not in any way related to EPA's sampling protocol