

Efficiency Vermont Homeowner Survey Round II

Prepared by



The Center for Research and Public Policy

The following report presents results to an online survey on Vermont Energy Performance Home Score graphic labels. The survey included 212 Vermont residents who are also homeowners in the state of Vermont. Respondents were members of a statewide panel (N = 191) and Efficiency Vermont's own panel (N = 21).

Survey respondents were asked for their views and opinions on various statements concerning two energy labels. Results are presented in tables and graphs below.

Demographic information on survey respondents begin on page 30.

Highlights

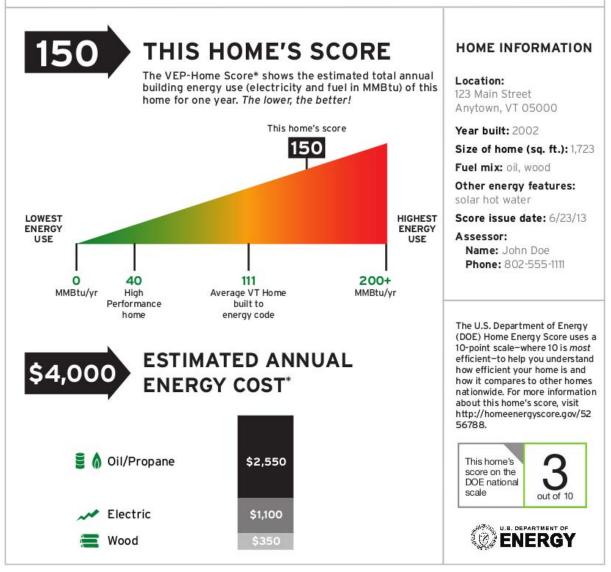
- "Vermont Home Energy Score" was the name favored for the two labels tested. Having both "Home" and "Vermont" in the name was important to the majority of respondents (84.7% and 81.8%, respectively).
- The majority (67.5%) of composite respondents preferred the wedge graphic in label 1 to the bar graphics in label 2.
- The majority of respondents understood how to read both the wedge (76.8%) and bar (79.6%) graphics on the labels.
- Regarding the "Estimated Annual Energy Cost" section of the labels, a majority preferred the pie-chart (70.0%) to the bar graphic (43.1%).
- A majority of respondents (63.2%) thought it was confusing to have <u>both</u> the DOE score <u>and</u> the Vermont Energy Performance Home Score on the same label as they use opposite scales of energy efficiency.
- Both Labels 1 and 2 scored in the 70-80% range on ease of comprehension, clarity of the Home Energy Score graphic and Estimated Annual Energy Cost graphic, motivation to learn more about one's own home energy consumption, moving forward with energy upgrades, the purchase of a home, or choosing between homes to purchase.
- Label 1 had a slight advantage in ratings compared with Label 2 for helpfulness when deciding to make energy upgrades to a home (45% vs. 36.4%), after having made energy upgrades (44.3% vs 31.0%), when listing a home for sale (42.2% vs. 30.9%), and when shopping for a new home (47.1% vs 33.5%).
- When respondents were asked to design their own label from all of the graphic elements provided, including the Home Score (Bar or Wedge), Estimated Annual Energy Costs (Stacked Bar or Pie Chart), and the DOE score, the majority of responses indicated a preference for the Home Score Wedge (48.9%) compared with the Bar (25.3%), the Estimated Annual Energy Cost Pie Chart (56.0%) compared with the Stacked Bar (31.3%), and a preference for the DOE score to be included as well (61.5%).
- Open-ended feedback indicated that the Estimated Annual Energy Cost graphic (stacked bar or pie chart) needs to be more clearly explained. One clarifying recommendation included adding a "plus sign" between each fuel source cost resulting in a total equal to \$4000.

•	Respondents completed this online survey on a desktop computer (47.4%) , laptop (44.5%) , or tablet (7.2%) .	



Label 1

The Vermont Energy Performance Home Score (VEP-Home Score) ranks a home's energy consumption based on typical occupancy and weather. *The lower, the better:* A low VEP-Home Score identifies a home in Vermont as energy-efficient, with lower energy costs and energy usage.



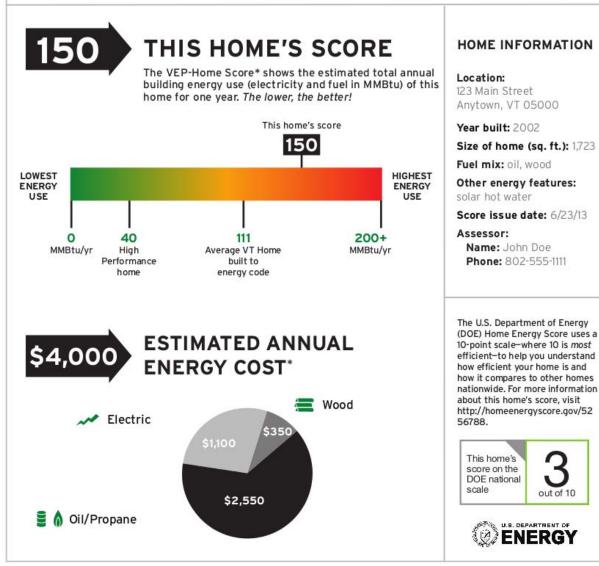
*Energy use and costs are estimates only. Actual usage and costs may vary and are based on many factors such as weather and occupant behavior, including use of wood stoves.

The Vermont Energy Performance Home Score takes into account the energy-efficient features installed in the home on the date the Score was issued, assuming average occupant behavior. Actual energy use will vary depending on how the building is operated, and costs will vary as fuel prices change over time. MMBtu = 1,000,000 British thermal units (Btu) of energy.



Label 2

The Vermont Energy Performance Home Score (VEP-Home Score) ranks a home's energy consumption based on typical occupancy and weather. *The lower, the better:* A low VEP-Home Score identifies a home in Vermont as energy-efficient, with lower energy costs and energy usage.



*Energy use and costs are estimates only. Actual usage and costs may vary and are based on many factors such as weather and occupant behavior, including use of wood stoves.

A Vermont Energy Performance Home Score takes into account the energy-efficient features installed in the home on the date the Score was issued, assuming average occupant behavior. Actual energy use will vary depending on how the building is operated, and costs will vary as fuel prices change over time. MMBtu = 1,000,000 British thermal units (Btu) of energy.

Label Score/Name

Respondents were asked to rate the following names for the label on a scale of 1 to 10 where 1 meant they like the name a great deal and 10 meant they strongly dislike the name. Results are presented on a composite basis as well as for Statewide Panel and the Efficiency Vermont Panel.

The following table presents the cumulative totals for ratings of one through four.

Like a Great Deal	Composite	Statewide	Efficiency VT
(% 1-4)		Panel	Panel
Vermont Home Energy Score	79.1%	79.0	80.0
Vermont Home Energy Performance Score	73.7	74.5	66.7
Home Energy Score	68.8	70.3	55.0
Vermont Energy Performance Score	66.3	66.1	68.4
Vermont Energy Performance Home Score	61.7	63.8	42.9
Building Energy Estimate	44.8	45.9	35.0

Respondents were asked to rate how important it is to have the key words "Home" or "Vermont" in the name of these labels where 1 was very important and 10 meant not at all important.

The following table presents the cumulative totals for one through four.

Very Important (%1-4)	Composite	Statewide Panel (Very Important	Efficiency VT Panel
Having "Home" in the name is important	84.7%	86.2	71.4
Having "Vermont" in the name is important	81.8	83.0	71.4

Other suggested names included the following:

Household instead of home

Green Mountain

Energy VT

Home Energy Performance

I like label 1 better than label 2

Vermont Home Energy Efficiency Rating

Vermont Home Energy Score, I like

Performance is too long of a word to use

Home Energy Resource Review

Home Energy Use

vermonts home energy performance score

The graphs look nice but are not easy to find info would be better to have listed like the survey, each item in a column

Vermont Home Energy Estimate

Vermont Home Energy Usage Score or Vermont Home Energy Consumption Score

Great Service

Vermont home efficiency factor

'Vermont Home Energy Estimate' would be most preferred to me.

Energy Performance Score

There are two labels which one do you mean?

Vermont Home Energy Performance Index

Score Visual Representation

Respondents were asked to examine the "This Home's Score" section of labels 1 and 2. They were asked to rate the following statements on a scale of 1-10 where 1 is "Strongly Agree" and 10 is "Strongly Disagree."

Strongly Agree (%1-4)	Composite	Statewide Panel	Efficiency VT Panel
I prefer the wedge in label 1 to the bar in label 2	67.5%	67.0	71.4
I prefer the bar in label 2 to the wedge in label 1	48.8	49.5	42.9
The colors are helpful to my understanding of the wedge in label 1	84.1	82.8	85.7
The colors are helpful to my understanding of the bar in label 2	79.0	77.8	85.7
In label 1 a score of 125 is	76.8	75.3	90.5
less efficient than a score of 45	Correct	Correct	Correct
In label 2 a score of 25 is	79.6	77.8	95.2
more efficient than a score of 175	Correct	Correct	Correct
I am confused by the scale in label 1	29.4	30.8	15.8
I am confused by the scale in label 2	27.2	29.0	10.0

Energy Cost Visual Representation

Respondents were asked to examine the "Estimated Annual Energy Cost" sections of labels 1 and 2. They were asked to rate the following statements on a scale of 1-10 where 1 was "Strongly Agree" and 10 was "Strongly Disagree.

Strongly Agree (%1-4)	Composite	Statewide Panel	Efficiency VT Panel
I prefer the bar graphic in label 1 to the pie chart graphic in label 2	43.1%	43.1	42.9
I prefer the pie chart graphic in label 2 to the bar graphic in label 1.	70.0	69.3	76.2
The annual energy costs presented in both labels are estimates based on typical weather and occupancy, not based on actual bills. This is acceptable to me.	70.9	69.9	80.0
I understand the bar graphic in label 1.	83.5	82.3	95.0
I understand the pie chart graphic in label 2.	83.2	82.4	90.5
In label 1, heating with wood is the least	78.3	81.2	47.1
expensive fuel type used in the home	Incorrect	Incorrect	Incorrect
It is clear to me that the bar graphic in label 1 would be an estimate of annual energy cost for the home.	86.8	85.4	95.0
It is clear to me that the pie chart graphic in label 2 would be an estimate of the energy cost for the home.	86.3	84.9	100.0
The title should be changed from "Estimated Annual Energy Cost" to "This Home's Estimated Annual Energy Cost" for the graphic in both labels.	59.5	60.0	55.0

DOE Score

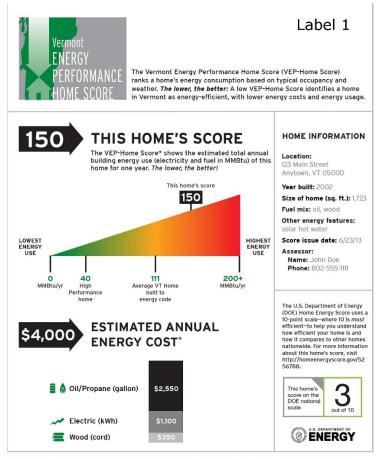
Respondents were asked to consider the U. S. Department of Energy (DOE) Home Energy Score. They were asked to rate the following statements on a scale of 1-10 where 1 was "Strongly Agree" and 10 was "Strongly Disagree."

Strongly Agree (% 1-4)	Composite	Statewide Panel	Efficiency VT Panel
I understand how to read the DOE energy score	80.5%	78.8	95.2
I am confused by the DOE energy score	34.6%	36.1	20.0
Having the DOE score is distracting in both labels 1 and 2.	34.8	35.6	26.3
In label 1, a DOE score of 3 out of 10 indicates this home is very efficient.	26.0 Incorrect	27.2 Incorrect	15.0 Incorrect
In label 2, a DOE score of 3 out of 10 would indicate that this home is very inefficient.	79.5 Correct	77.3 Correct	100.0 Correct
Having the DOE score lends credibility to labels 1 and 2.	71.2	69.5	85.7
It is confusing to have a Vermont Energy Performance Home Score that uses the lowest number as efficient and the DOE score that uses the highest number as efficient on the same label.	63.2	62.2	71.4

Ratings for Each Label for Comparison to Prior Research

Label 1 Only

Respondents rated each statement below regarding Label 1. For each statement, they used a scale of one to ten where one means they strongly agreed and ten means they strongly disagreed.

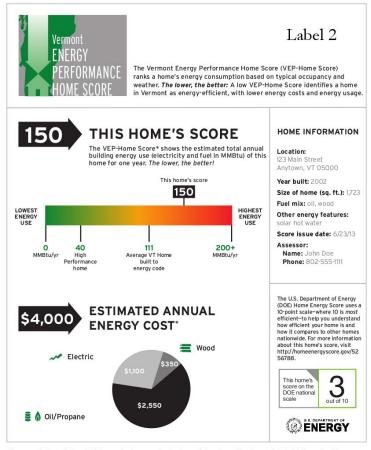


Strongly Agree (%1-4)	Composite	Statewide Panel	Efficiency VT Panel
This presentation is easy to comprehend in a short period of time	73.0%	70.5	95.2
The energy score graphic in this label presents home energy use clearly	74.0	71.7	95.2
The "Estimated Annual Energy Cost" graphic in this label presents estimated energy costs by fuel clearly	72.7	73.4	66.7
This label would motivate me to learn more about my own home energy use	78.0	75.7	100.0
This label would motivate me to move forward with energy efficiency updates to my home	74.9	73.7	85.7
The information in this label would be useful in purchasing a home	80.8	78.8	100.0
Seeing this label on two different homes would help me select between the two in a purchase decision	80.2	78.5	95.2

Label 2 Only

Respondents rated each statement below regarding Label 2. For each statement, they used a scale of one to ten where one means they strongly agreed and ten means they strongly disagreed.

The following table presents the cumulative totals for one through four – strongly agreeing.



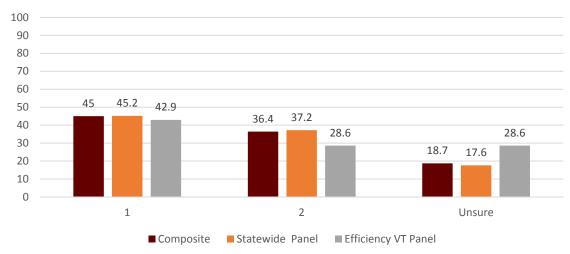
Entery use and costs are estimates only. Actual usage and costs may vary and are based on many factors such as weather and occupant behavior, including use of wood stoves. A vermost Energy Performance Home Secret leaks in dia occurring here energy-efficient fleahears installed in the home not he date the Score was issued; may average occurring very behavior, Actual energy use will vary depending on how the building is operated, and costs will vary as fuel prices charge over time. MMBlu = 1,000,000 British thermal units (Blu) of energy.

Strongly Agree (%1-4)	Composite	Statewide Panel	Efficiency VT Panel
This presentation is easy to comprehend in a short period of time	75.8%	74.3	90.0
The energy score graphic in this label presents home energy use clearly	76.6	75.0	90.5
The "Estimated Annual Energy Cost" graphic in this label presents estimated energy costs by fuel clearly	76.6	76.1	81.0
This label would motivate me to learn more about my own home energy use	74.3	71.4	100.0
This label would motivate me to move forward with energy efficiency updates to my home	72.2	70.2	90.5
The information in this label would be useful in purchasing a home	78.8	76.5	100.0
Seeing this label on two different homes would help me select between the two in a purchase decision	77.5	75.5	95.2

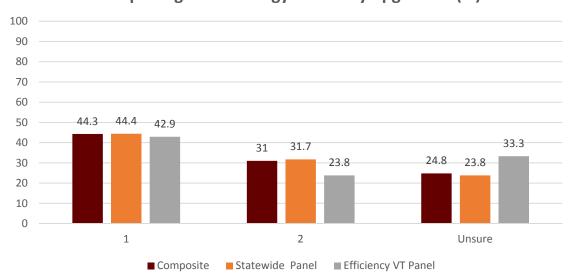
Final Comparisons Between Labels

Respondents answered a few final questions after having reviewed presentations on labels 1 & 2.

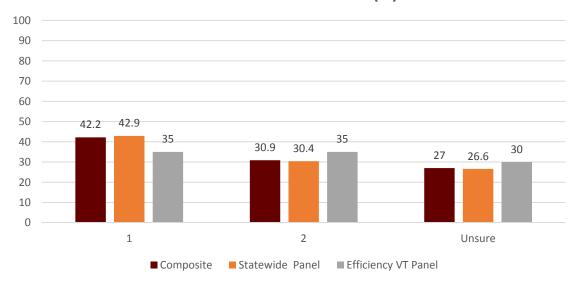
Which label, 1 or 2 would be most helpful to me during a home energy audit, to help me decide whether to make energy upgrades (%)



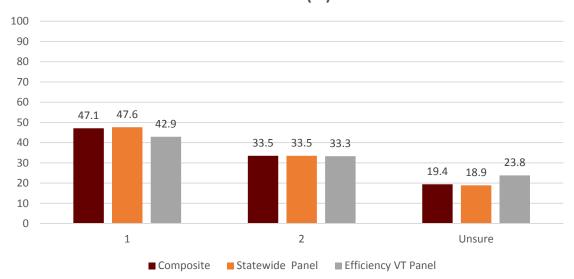
Which label, 1 or 2 would be most informative AFTER completing home energy efficiency upgrades? (%)



Which label, 1 or 2 would be useful if listing my energy efficient home for sale? (%)



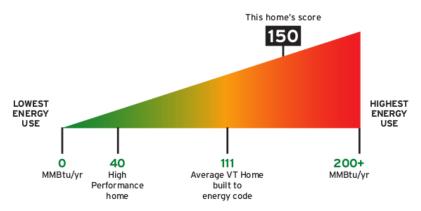
Which label, 1 or 2 would be useful if shopping for a new home? (%)



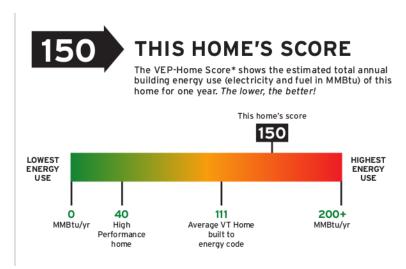
Respondents selected their own label from the elements provided (i.e., Home Score, Estimated Annual Energy Cost, & DOE Score) in either Label 1 or Label 2...

Results are presented based on the composite samples' total number of responses across all elements (406 total responses).





Composite Home Score from Label 1: 48.9 %



Composite Home Score from Label 2: <u>25.3</u>%

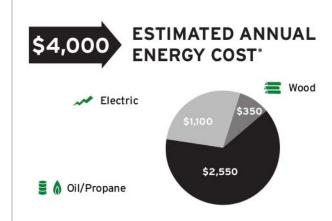


Electric

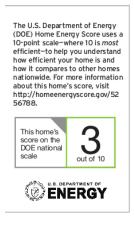
Wood

Composite Estimated Annual Energy Cost from Label 1: 31.3 %

\$1,100



Composite Estimated Annual Energy Cost from Label 2: <u>56.0</u>%



Composite DOE Score from both Labels: 61.5 %

Opens

Respondents were asked for additional information that would make label 1 more helpful or make it clearer to understand. (Responses are presented below).

Add the pie chart

An estimate of vt use in general. Examples of how saving energy helps the earth. A website to get more info

Change it to a pie chart

Change the graph

Change to pie chart

Clarify that these are estimates-no guarantees!

Color code the estimated annual energy cost table

Color in bottom graph

Don't know

Drdthdg

Eliminate the DOE rating

Eliminate the DOE rating system

"Energies used for this home are not clear.

Are they a combination of all three?"

Get rid of DOE. Use pie chart

Get rid of the doe

Getting rid of the two numbers in the middle of the scale, and only provide the lowest and highest scores relative to the home's score- get rid of the DOE score

Having the print larger in in DOE area

I do not see anything that would make it any clearer to understand.

I don't like the triangle shape at the top where the 150 is

I don't think the DOE score representation is helpful.

I find the stacked bar graph to be more confusing than the pie chart, so I would change that to a pie chart. The wedge is fairly easy to comprehend, I just think the bar is more aesthetically pleasing. I just like pie charts, you can read them at a glance.

I like seeing a pie graft. For me it is just faster to understand. Maybe some color other than grey and black could be used.

I like that that they are easy to read

I prefer the pie wedge

I think adding a chart or table would increase understanding for people who are not used to reading graphs. Also, some people are color blind so this would take care of that problem too. I'd like to see it reported as a score of X out of a possible score of Y or x% efficient. I think people are more used to these comparison measurements.

I think it is good the way it is

I think it's quite clear except for the estimated annual energy cost

I think it's very informative

I think the wedge is unneeded, and I don't particularly like the stacked graph.

I think this one is very clear

I would put the pie graph on label 1 instead of the bar graph

I would put the wedge with the pie chart

I would take out the DOE score

In a society that in general views things as 'more is better', I think have the most energy efficient score of '0' is not as intuitive as it could be.

Indicate size of household and appliances they own

It doesn't really say this is just an example except in the footnote.

It is unclear on fuel costs if it is an either/or situation. Are they saying you will use all 3 energy sources? What if you don't want to use wood?

It says the DOE score is on a 10 scale but then the house scored a 150. I'm confused.

It was all fine; I'd like to see a color variation, with a nice green for a very efficient home then changing to a gray gradually getting darker for a highly inefficient home; you make the point with the colors now, but they seem overly harsh to me

Its an estimate so some info on the normal winter temps, summer temps would be useful

Just more color

Leave off DOE rating

Leave out the estimated annual energy costs, unless it pertains to an estimate for a home at current energy costs.

Less info

Less words on the right hand side

Lower energy costs and energy-efficient

Make sure the colored gradient works in black and white

Maybe additional pie or bar graphs to include other options, such as no wood, or all oil, or some solar, or geo thermal, etc.? Not sure though. This seems pretty clear as is.

More colors would be nice

More info on the doe score.

Perhaps highlighting that lowest energy use means a more efficient home and less cost to the consumer.

Pie chart instead of bar chart.

Pie chart instead of bar graph for estimated costs

Pie chart instead of bar graph.

Put the graphics to the right of the home owner info, which should be on the left side of the paper.

Put the pie chart on label one in place of the bar and label one will be great!

Remove the doe score

Seasonal costs

Show clearly that the estimated energy cost is for this home, change bar graph to pie chart

Switch in the pie chart, clearly explain the way a DOE score ranks (low to high)

The DOE score and This Home score should BOTH read in the SAME number [cal order-lower number = less efficient. OR lower numbers= More efficient

The fine print needs to be larger.

The grading scale is a little difficult to read so a bar scale is better the score, also I would prefer the DOE score in a different shape or something to make it unique and different to make sure people understand it is a different measure also DOE should be listed in bold and larger

The graph for the VEP score is not as clear as label 2.

The labels are very confusing. Add comments or change chart.

The visual graphic implies to me that higher is better when it's not.

The wedge chart is confusing to me....

The wedge direction should be reversed so that high use is seen first. Color is important and should be used for the individual fuels used in the estimated energy costs.

The wedge is distracting, get rid of the wedge

There is so much on the page its unclear

Think the DOE label is redundant and somewhat misleading. Would remove it.

This applies to both labels, but most of the residences in my area are either trailers or homes built in the 1800s. A label that reflects those models might be more effective.

Use the pie chart, drop the DOE score

What is the purpose of this labeling?

Why the hell is a higher score less efficient and a lower score more efficient? Are you intentionally trying to confuse customers? That is an extremely stupid way to score it, ESPECIALLY with the DOE score using the opposite scale. Whoever designed this should be fired.

Would rather have the colored Bar Get rid of angled ramp on bar.

I like label 1 with the pie chart from label 2

The words 'oil, electric & wood' are too far from the graphic, they look unassociated

For the stack, I would add an = sign and put \$4,000 per year after the stack. To make it clear this is additive. I started out a little confused - wondering if these numbers were additive or

- equivalents. (i.e. Wood would cost \$350 and oil would cost \$2,550). After going through the survey, I realize the total is \$4,000 and these are additive.
- Your questions gave me doubt about the estimated annual cost graphic meaning, such that I interpreted it to mean all energies combined are required for that home. However one of the questions suggested that they may represent comparative costs for alternative options. If the former, the pie chart is preferred. If the later some form of bar chart would be preferred.
- Now that I am aware of the DOE score, I think it would be helpful to make the Vermont Home Energy Scores match in scale meaning that 1= least efficient and 10= most efficient.
- A plus sign between each energy resulting in the \$4000.00
- Neither label indicates the level of use in this home for each energy source. without the usage breakdown, the cost breakdown is misleading. Eg.: \$350 spent on wood makes it appear that wood is the cheapest energy source in use. But that could possibly be because the woodstove was used only twice per month.
- Make it clear that cost of heating includes both 'Oil/Propane' and 'Wood'. Someone may think that they can heat with \$350 of wood OR \$2550 of Oil/Propane.
- The estimated annual energy cost I thought was a combination on the three, not what each would be independently of each other when I first read it. It wasn't until you asked your questions about it that I realized I had read it incorrectly. This needs to be spelled out to the reader. Many homeowners like myself have multiple sources on heating in our homes (wood & Oil) and might take that graph as a combination of the types not a comparison.
- The only thing I find a bit confusing is the Estimated Annual Energy Cost. Are you assuming that people use a mix of fuel and should sum the parts? I, for one, use both oil and wood. Or are you saying that if I use only oil, my total cost would be \$2,550 and if I use only wood my total cost would be \$350."
- Having the energy performance score and DOE score move in opposite directions towards more/less efficient is understandable but adds complexity and less quickly intuitive.
- I think if the wedge was to go the other way, it would make more sense to me as the bar graph is very clear

Respondents were asked for additional information that would make label 2 or make it clearer to understand (Responses are presented below).

Use graph from Label 1

The circle needs to be different bright colors

Change to wedge

Clarify that these are estimates-no guarantees!

Color code the estimated annual energy cost table

Color in the pie chart

Eliminate the DOE rating

Eliminate the DOE rating system

Get rid of DOE. Use wedge

Same, rid of doe

Getting rid of the DOE score

Having the print larger in the DOE

I do not see anything to change that would make it any clearer.

I hate the pie chart

I don't think the DOE score representation is helpful.

I like how this is set up, although I don't think the DOE is necessary.

I don't think that the bar is as noticeable as the pie chart

I think it is good the way it is.

I think they're both clear

I think it's very informative

Perhaps some idea on how to be more energy efficient

I prefer the wedge for section 1 and the bar for bottom section

I don't like the pie

I would put the wedge on label 2 instead of the bar graph.

Label 2 needs to be easier to read and understand

In a society that in general views things as 'more is better', I think have the most energy efficient score of '0' is not as intuitive as it could be.

Indicate size of household and appliances they own

The pie chart is confusing.

It says the DOE score is on a 10 scale but then the house scored a 150. I'm confused.

Pretty much what I said in the first text box

Just more color

Leave off DOE rating

Less words on the right hand side

Both 1 and 2 run even.

Make sure the colored gradient works in black and white

I think it explains the home's energy pretty good

More info on the doe score.

Make the bar into a wedge

I wouldn't change this label...do like the pie chart best though, so WINNER!!

Lose the pie chart

Color to the circle

Wedge instead of bar

Number 1 is better.

Wedge bar for home score

Change the bar graph.

Put the graphics to the right of the home owner info, which should be on the left side of the paper.

Put the wedge on label two instead of the line and label two will be great!

Remove the doe score

Seasonal costs

Have the angled graph, info on DOE

I would prefer the DOE score in a different shape or something to make it unique and different to make sure people understand it is a different measure also DOE should be listed in hold and larger

Add explanations for charts and enhance they are estimates as it is not clear.

I think the bar graph on label 1 should go with label 2

Use of color for the numbers is lost black would be better. The fuel symbols should nit all be the same color, each should be represented by a different color and that should correspond to the color in the graph example electricity =blue, oil=red, wood=yellow.

Color the pie graph

Too much on page

Think the DOE label is redundant and somewhat misleading. Would remove it.

A pie chart doesn't seem like a good way of presenting the information because it does not equal 100%. They aren't percentages of a whole from what I can tell, so it might be better to use maybe a bar graph where each number is plotted separately.

Drop the DOE score

What if options

Why the hell is a higher score less efficient and a lower score more efficient? Are you intentionally trying to confuse customers? That is an extremely stupid way to score it, ESPECIALLY with the DOE score using the opposite scale.

Would rather have the Black and white bar Put labels closer to or on pie graph - they're so far away that it's hard to scan the pie and labels easily together.

The words 'oil, electric & wood' are too far from the graphic, they look unassociated

I find the stack easier to read, but the pie chart makes it clear that home uses each of these fuels.

Same as above comment. Information about how to make a home more energy efficient or direction to recourses might be helpful but I wouldn't want to crowd this graphic information.

Although not as important in a pie chart, it is still important to reinforce the cost of heat combines wood + Oil/Propane

The estimated annual energy cost I thought was a combination on the three, not what each would be independently of each other when I first read it. It wasn't until you asked your questions about it that I realized I had read it incorrectly. This needs to be spelled out to the reader. Many homeowners like myself have multiple sources on heating in our homes (wood & Oil) and might take that graph as a combination of the types not a comparison.

Having the energy performance score and DOE score move in opposite directions towards more/less efficient but adds complexity and less quickly intuitive.

This is OK, but the DOE is opposite of the other graphs so can be confusing

Demographics

Age	Composite	Statewide	Efficiency
		Panel	VT Panel
18 to 24	4.8%	5.4	0.0
25-34	11.6	12.4	4.8
35-44	19.3	20.4	9.5
45-54	23.7	21.5	42.9
55-64	31.4	32.3	23.8
65+	9.2	8.1	19.0

Gender	Composite	Statewide	Efficiency
		Pane1	VT Panel
Male	31.0%	29.1	47.6
Female	69.0	70.9	52.4

Education	Composite	Statewide	Efficiency
		Panel Panel	VT Panel
Eighth grade or less	1.0%	1.1	0.0
Some high school	0.5	0.5	0.0
High school graduate or GED	20.6	21.8	9.5
Some technical school	1.0	1.1	0.0
Technical school graduate	3.8	4.3	0.0
Some college	22.5	23.9	9.5
College graduate	40.2	39.4	47.6
Post-graduate or professional degree	10.5	8.0	33.3

Income	Composite	Statewide	Efficiency
		Panel	VT Panel
Under \$9,999	1.4%	1.1	4.8
\$10,000 to less than \$40,000	29.5	31.7	9.5
\$40,000 to less than \$70,000	34.8	36.5	19.0
\$70,000 to less than \$100,000	14.8	13.2	28.6
\$100,000 to less than \$130,000	5.7	4.2	19.0
\$130,000 to less than \$160,000	3.3	3.7	0.0
\$160,000 or more	3.3	2.6	9.5
Refused/Unsure	7.1	6.9	9.5

Ethnicity	Composite	Statewide Panel	Efficiency VT Panel
White	95.6%	95.1	100.0
African American	2.0	2.2	0.0
Asian, Pacific Islander	1.0	1.1	0.0
Aleutian, Eskimo or American Indian	0.0	0.0	0.0
Hispanic	0.5	0.5	0.0
Refused/Unsure	1.0	1.1	0.0

Vermont County	Composite	Statewide	Efficiency
		Pane1	VT Panel
Addison	4.3%	4.3	4.8
Bennington	10.1	9.6	14.3

Caledonia	9.6	10.2	4.8
Chittenden	23.1	23.5	19.0
Essex	1.4	1.6	0.0
Franklin	4.8	4.3	9.5
Grand Isle	1.0	1.1	0.0
Lamoille	4.8	5.3	0.0
Orange	7.2	7.0	9.5
Orleans	2.4	2.1	4.8
Rutland	8.2	7.0	19.0
Washington	4.8	5.3	0.0
Windham	4.3	4.3	4.8
Windsor	13.9	14.4	9.5

Device to Complete Survey	Composite	Statewide Panel	Efficiency VT Panel
Desktop computer	47.4	45.7	61.9
Laptop computer	44.5	45.7	33.3
Smartphone	1.0	1.1	0.0
Tablet	7.2	7.4	4.8
Other	0.0	0.0	0.0
Don't Know/Unsure	0.0	0.0	0.0