



PechaKucha

Our Lotus Story

Susan McFadden

Revive Properties / Philgreen Construction



Our Lotus Story

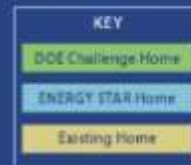
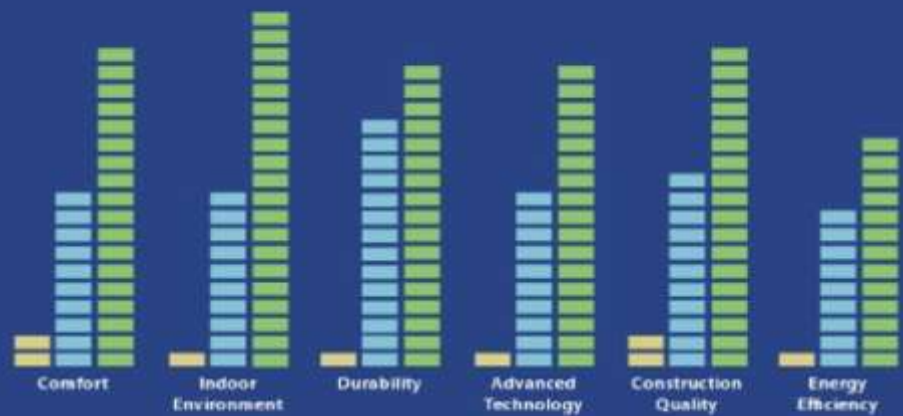






ZERO
ENERGY READY HOME
U.S. DEPARTMENT OF ENERGY

DOE Challenge Home: A New Level of Performance



This label indicates relative performance of this DOE Challenge Home to recent vintage existing homes and ENERGY STAR qualified homes. Actual performance may vary.

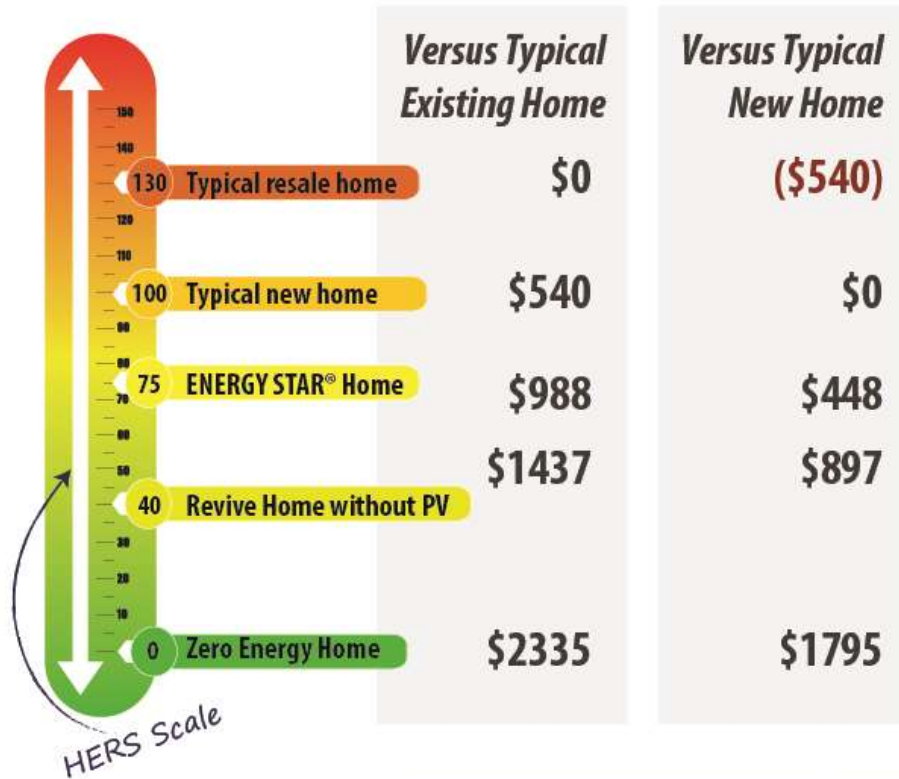








Measuring Efficiency with the



How Do HERS® Scores Work?

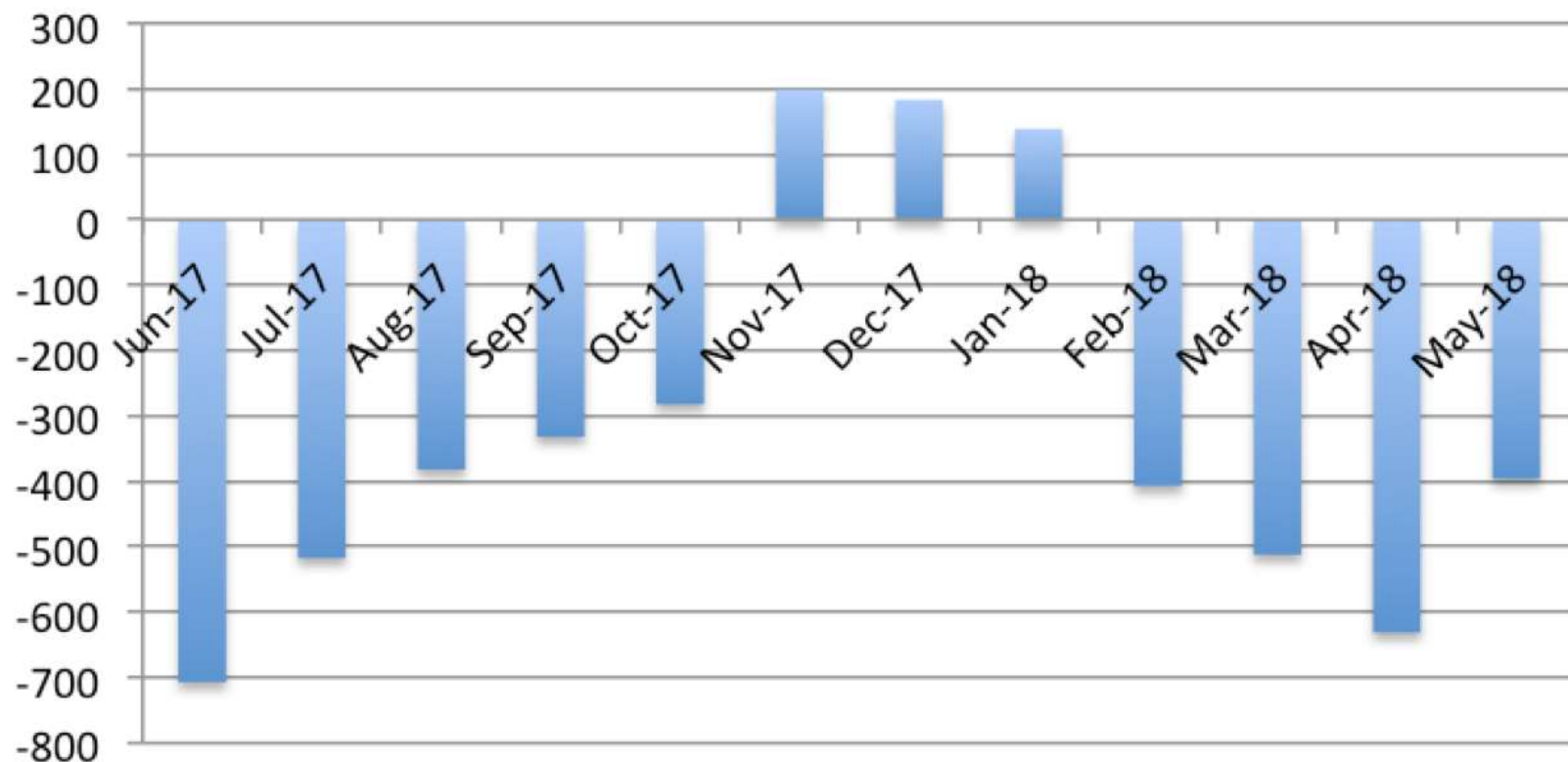
The Home Energy Rating System (HERS) Index is the standard by which a home's energy efficiency is measured.

The lower the number, the more energy efficient the home.

The U.S. Department of Energy has determined that a typical resale home scores 130 on the HERS Index while a standard new home is awarded a rating of 100.

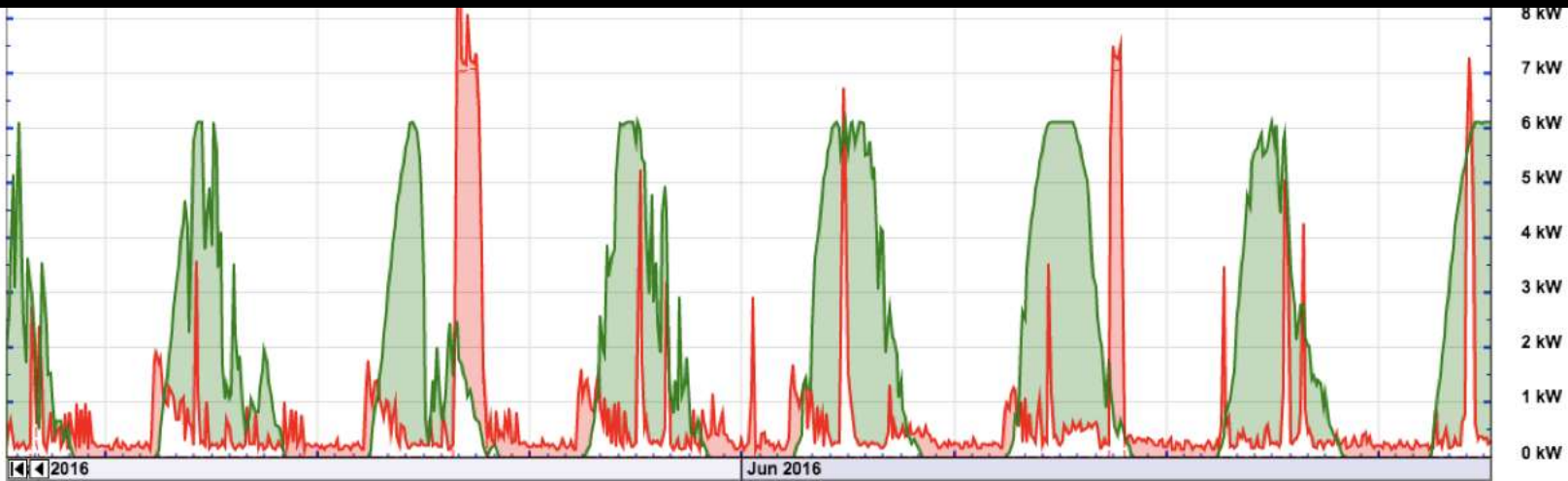


Net Energy Use (kwh)



2016 Energy Production (kWh)





<input checked="" type="checkbox"/> Power used	<input checked="" type="checkbox"/> Energy from grid	<input checked="" type="checkbox"/> Power generated	<input checked="" type="checkbox"/> Energy to grid
<input type="checkbox"/> Grid gen./use	<input type="checkbox"/> Solar+ gen./use	<input type="checkbox"/> Compressor/Pumps gen./use	<input type="checkbox"/> Electric Heat/Blower gen./use
<input type="checkbox"/> Water Heater gen./use	<input type="checkbox"/> Floor Heat gen./use	<input checked="" type="checkbox"/> Car Charger gen./use	<input type="checkbox"/> Toggle all/none



WaterSense

Goal: Reduce indoor water use by 20%

Actual:

2016 High-efficiency benchmark

Revive townhomes

Revive duplexes

108 gal per day

50 gpd (46%)

96 gpd (89%/2)

Total Marginal Cost for Zero Ready (4.8%)	\$17,325
Increase mortgage payment	\$84
Monthly savings	\$138
Pre-purchase Leased Solar 6.5kW	\$11,115
City of Fort Collins Solar Rebate	\$1,500
Total Marginal Cost w/ Solar (7.8%)	\$26,940
Increase mortgage payment	\$130
Monthly savings	\$200

City Integrated Design Assistance Award – Reduced Energy Use 20X





“First and foremost, this home is absolutely the nicest place I have ever lived. The build quality is outstanding, far above expectations. There is a substantial economic benefit in going with solar/geothermal. I am making an effort to 'vote with my wallet' about an issue I care about. A move from traditional fuel for home energy is ... happening, and it will continue to grow.”

– Homeowner



It is not the critic who counts;
not the man who points out how the strong man stumbles,
or where the doer of deeds
could have done them better.

The credit belongs to the man who is actually in the arena,
whose face is marred by dust and sweat and blood;

who strives valiantly;

who at the best knows in the end the triumph
of high achievement, and who at the worst,
if he fails, at least fails while

DARING GREATLY

REVIVEFC.COM

Susan McFaddin, PhD, LEED-AP, CEM, HERS Associate

Revive / Seven Generations

sue@7genllc.com

970.420.0000