

Energy Comparison Profile Residential



Location: Northern Minnesota
Size: 3387 sq. feet

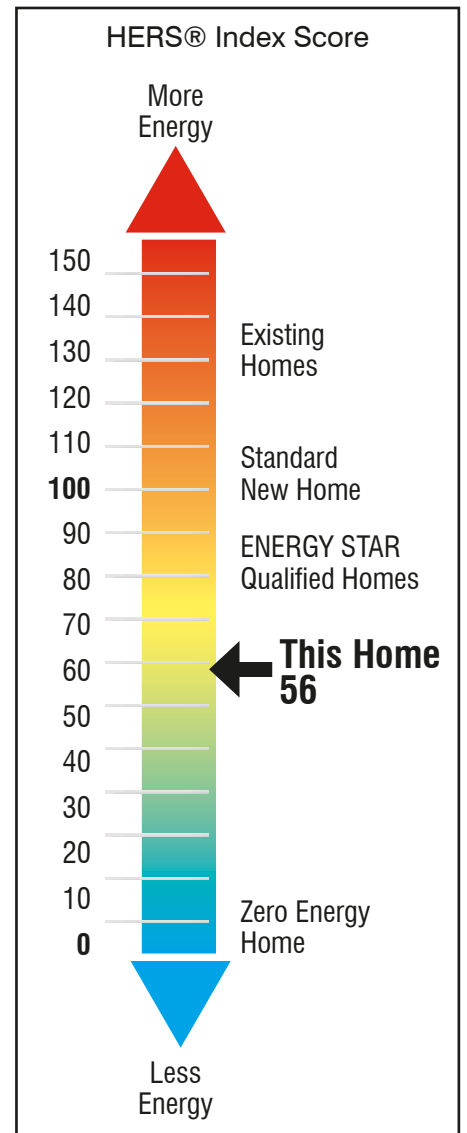
Levels: 2
Bedrooms: 3
Bathrooms: 2
Heating/Cooling: Gas forced air

HEATING & COOLING COMPARISONS

	Reference	EPS	DIFF	%DIFF
Annual End-Use Cost (\$/yr)				
Heating	\$1844	\$918	\$927	50.3%
Cooling	\$158	\$25	\$133	84.2%
SAVINGS			\$1060	

Figures are estimates only and may vary depending on climate zone. Does not represent a guarantee of performance.

Contact your local EPS Dealer to see how much you can save in
an Energy Efficient Home





Energy Comparison Profile Residential



Location: Northwest Iowa
Size: 3878 sq. feet

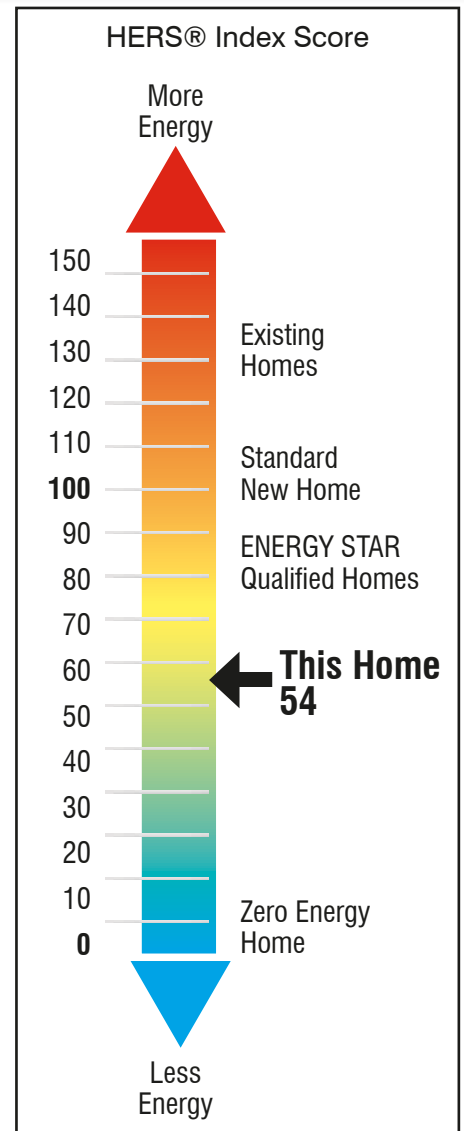
Levels: 2
Bedrooms: 3
Heating/Cooling: Electric Air-source heat pump

HEATING & COOLING COMPARISONS

	Reference	EPS	DIFF	%DIFF
Annual End-Use Cost (\$/yr)				
Heating	\$1236	\$507	\$729	59%
Cooling	\$178	\$59	\$119	66.7%
SAVINGS			\$848	
Annual End-Use Consumption				
Heating (kWh)	20501	8410	12092	59%
Cooling (kWh)	2959	985	1974	66.7%
Annual Energy Demands (kW)				
Heating	14.7	7.1	7.6	51.6%
Cooling	2.8	1.3	1.5	54.8%

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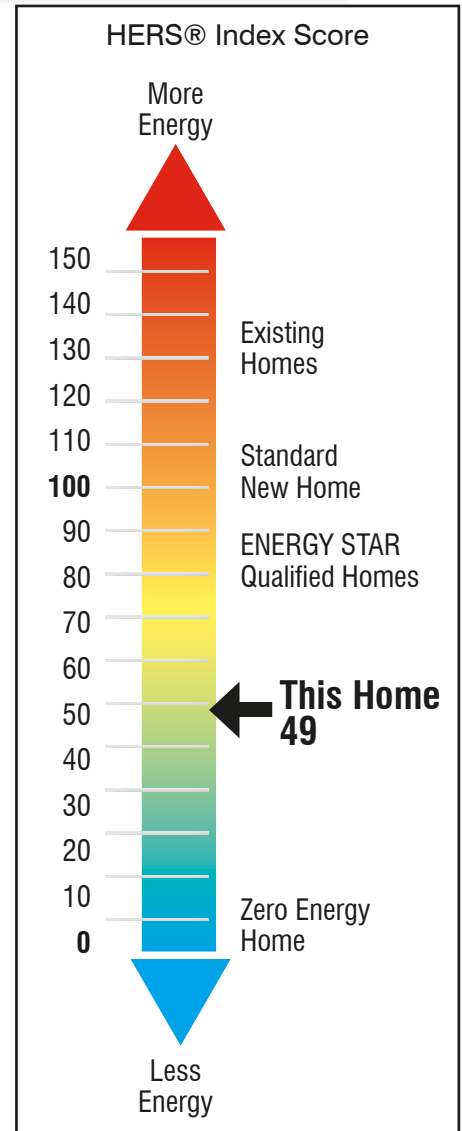


Energy Comparison Profile Residential



Location: Northwest Iowa
Size: 3024 sq. feet

Levels: 2
Bedrooms: 3
Bathrooms: 3
Heating/Cooling: Gas forced air



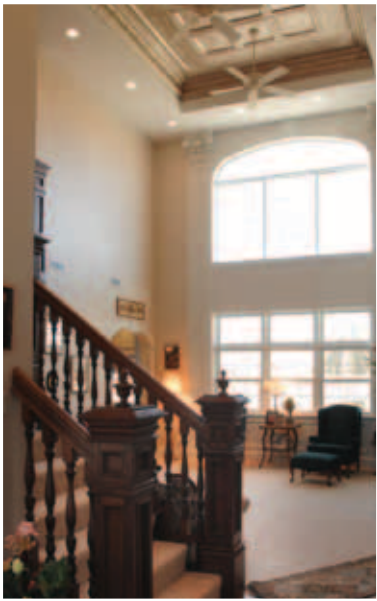
HEATING & COOLING COMPARISONS

	Reference	EPS	DIFF	%DIFF
Annual End-Use Cost (\$/yr)				
Heating	\$1236	\$507	\$729	59.0%
Cooling	\$178	\$59	\$119	66.7%
SAVINGS			\$848	
Annual End-Use Consumption				
Heating (kWh)	20501	8410	12092	59.0%
Cooling (kWh)	2959	985	1974	66.7%
Annual Energy Demands (kW)				
Heating	14.7	7.1	7.6	51.6%
Cooling	2.8	1.3	1.5	54.8%

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Energy Comparison Profile Residential



Location: Central Iowa
Size: 5238 sq. feet

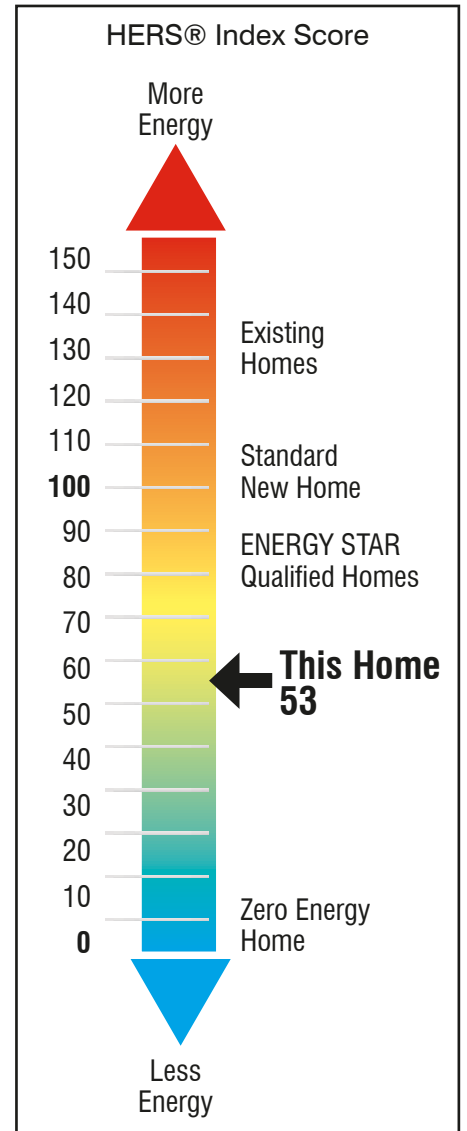
Levels: 2
Bedrooms: 6
Bathrooms: 4-1/2
Heating/Cooling: Electric radiant/
gas forced air

HEATING & COOLING COMPARISONS

	Reference	EPS	DIFF	%DIFF
Annual End-Use Cost (\$/yr)				
Heating	\$3623	\$1529	\$2094	57.8%
Cooling	\$143	\$47	\$96	66.7%
SAVINGS			\$2190	
Annual End-Use Consumption				
Heating (gallons)	2323	866	1457	62.7%
Heating (kWh)	8795	7442	1352	15.4
Cooling (kWh)	3340	1097	2243	67.2%
Annual Energy Demands (kW)				
Heating	5.1	4.1	1.0	19.9%
Cooling	4.2	2.3	1.9	45.5%

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Energy Comparison Profile Residential



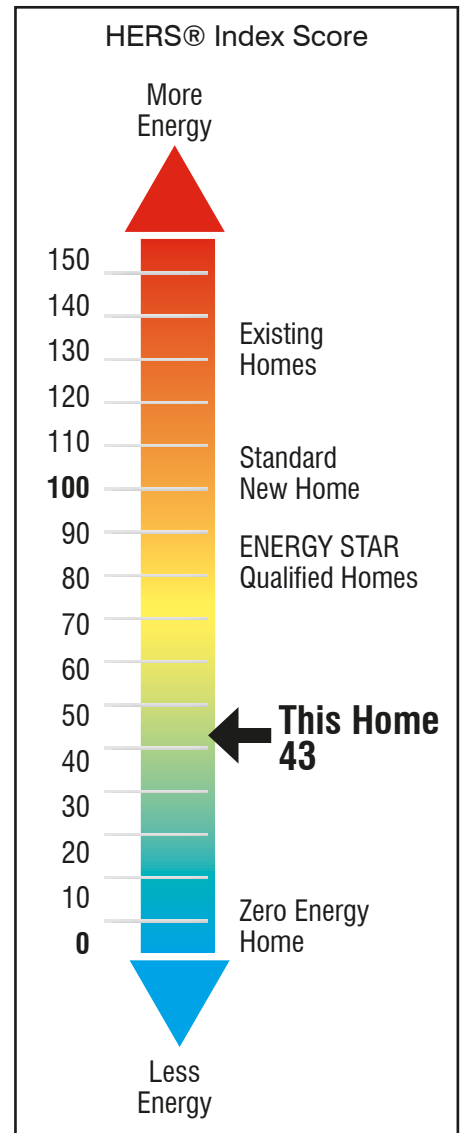
Location: Central Iowa
Size: 2563 sq. feet

Levels: 2
Bedrooms: 4
Heating/Cooling: Electric ground source heat pump

HEATING & COOLING COMPARISONS

	Reference	EPS	DIFF	%DIFF
Annual End-Use Cost (\$/yr)				
Heating	\$767	\$146	\$621	81%
Cooling	\$74	\$28	\$46	62.6%
SAVINGS			\$667	

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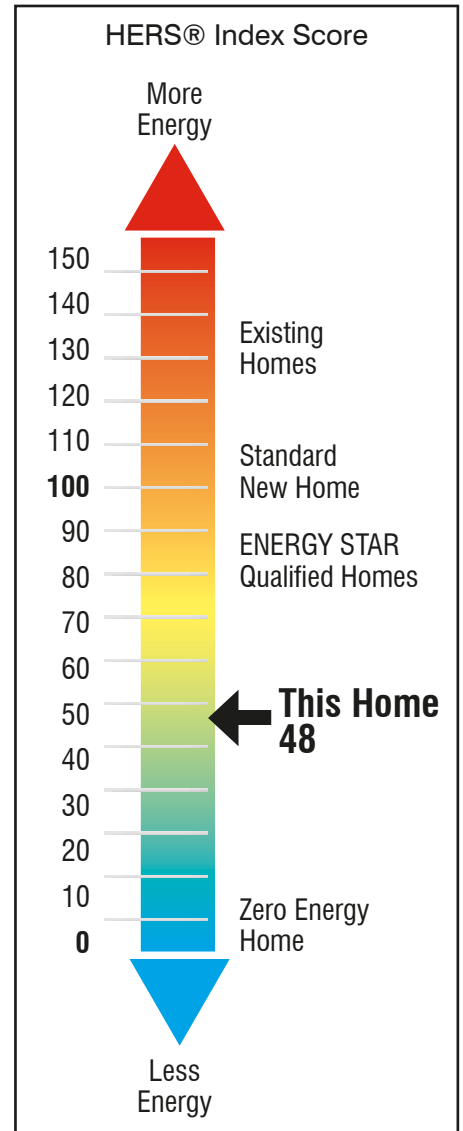
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Energy Comparison Profile Residential



Location: Central Iowa
Size: 4660 sq. feet

Levels: 2
Bedrooms: 3
Heating/Cooling: air-source
heat pump, electric



HEATING & COOLING COMPARISONS

	Reference	EPS	DIFF	%DIFF
Annual End-Use Cost (\$/yr)				
Heating	\$2226	\$633	\$1593	71.6%
Cooling	\$350	\$90	\$260	74.3%
SAVINGS			\$1853	

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Energy Comparison Profile Residential



Location: Northern Minnesota
Size: 988 sq. feet

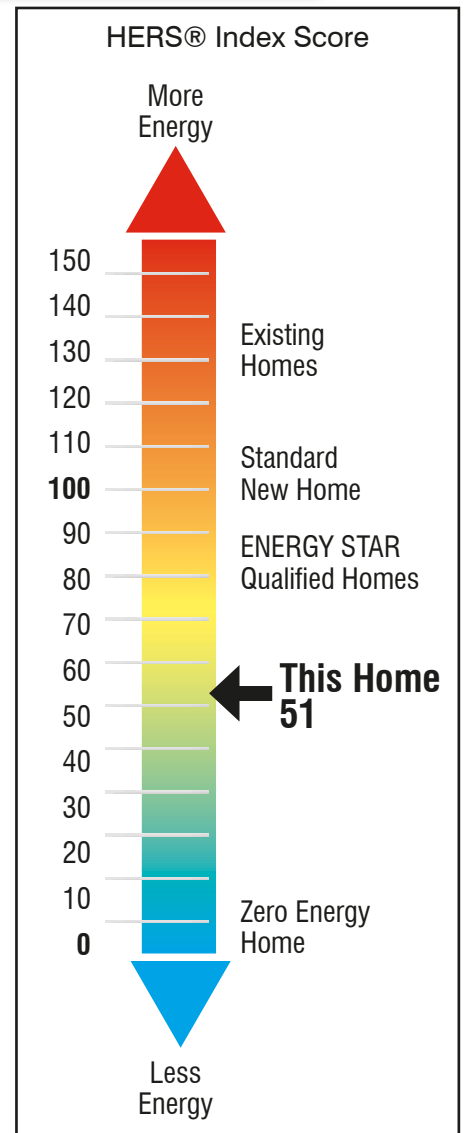
Levels: 1
Bedrooms: 1
Bathrooms: 1
Heating/Cooling: Gas forced air with air source heat pump

HEATING & COOLING COMPARISONS

	Reference	EPS	DIFF	%DIFF
Annual End-Use Cost (\$/yr)				
Heating	\$1563	\$657	\$906	58.0%
Cooling	\$304	\$156	\$147	48.5%
SAVINGS			\$1053	
Annual End-Use Consumption				
Heating (gallons)	860	369	491	57.1%
Heating (kWh)	483	184	299	61.9%
Cooling (kWh)	516	266	251	48.5%
Annual Energy Demands (kW)				
Heating	0.2	0.1	0.1	61.9%
Cooling	0.8	0.6	0.2	27.6%

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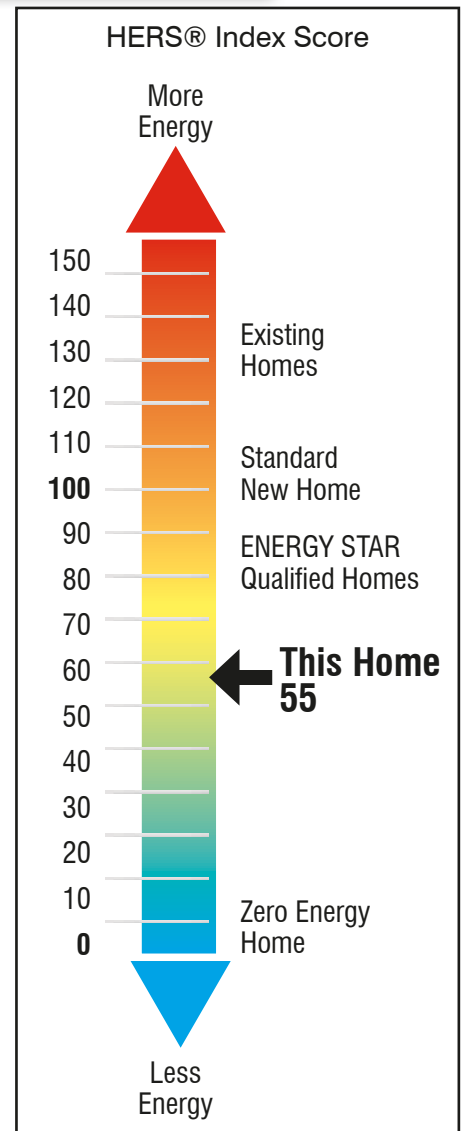


Energy Comparison Profile Residential



Location: Northern Minnesota
Size: 1824 sq. feet

Levels: 1
Bedrooms: Three
Heating/Cooling: Gas forced air with air source heat pump



HEATING & COOLING COMPARISONS

	Reference	EPS	DIFF	%DIFF
Annual End-Use Cost (\$/yr)				
Heating	\$1226	\$614	\$612	49.9%
Cooling	\$76	\$40	\$36	47.2%
SAVINGS			\$648	

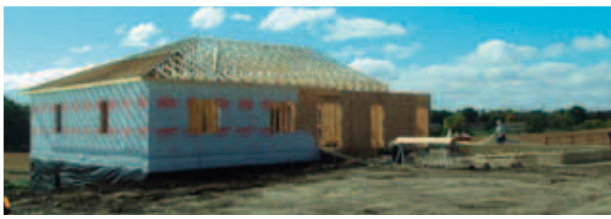
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Energy Comparison Profile Residential



Location: Northwest Iowa
Size: 4480 sq. feet

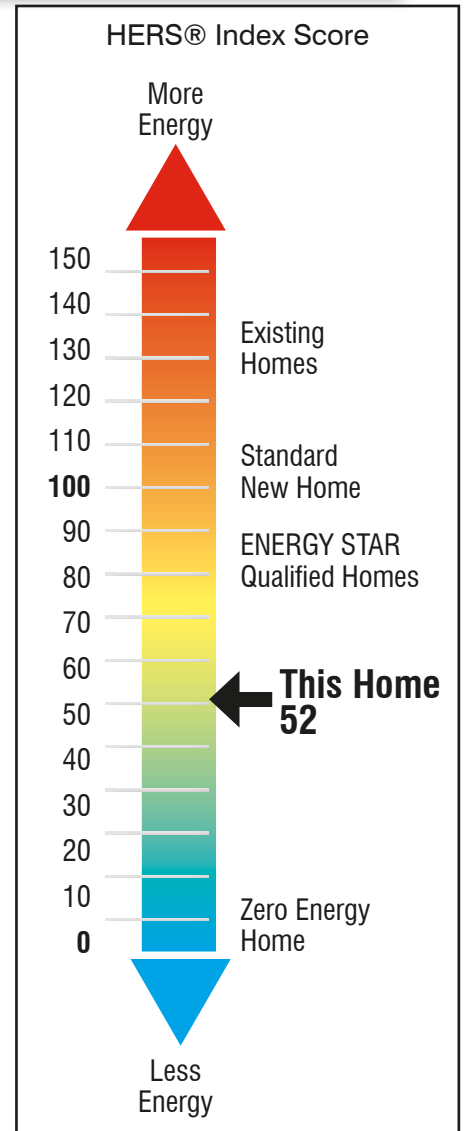
Levels: 2
Bedrooms: 3
Bathrooms: 3-1/2
Heating/Cooling: Electric radiant and gas forced air

HEATING & COOLING COMPARISONS

	Reference	EPS	DIFF	%DIFF
Annual End-Use Cost (\$/yr)				
Heating	\$2123	\$558	\$1565	73.7%
Cooling	\$156	\$58	\$98	62.8%
SAVINGS			\$1663	
Annual End-Use Consumption				
Heating (gallons)	1205	266	939	77.9%
Heating (kWh)	4954	2882	2072	41.8%
Cooling (kWh)	3125	1163	1962	62.8%
Annual Energy Demands (kW)				
Heating	3.5	2.2	1.3	36.6%
Cooling	3.0	1.3	1.7	57.7%

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Energy Comparison Profile

Sunrise Park Cottages

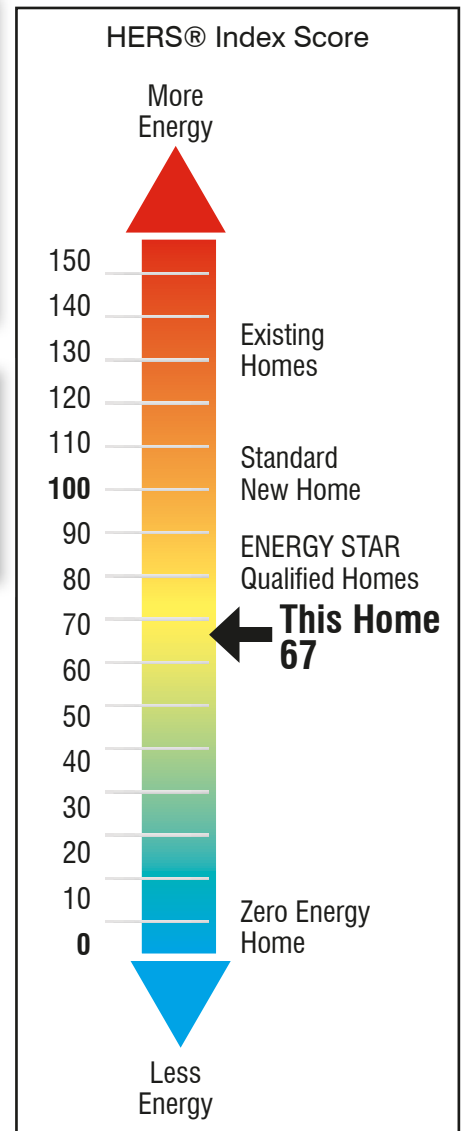


Sunrise Park includes four cottages owned by the city of Storm Lake, IA.

EPS was selected as the most competitive and energy efficient manufacturer for their proposed green project.

Cottages feature R-40 panel roof over ridge beam with R-26 walls and a full foundation.

Location: Storm Lake
 Size: 1623 sq. feet
 Levels: 1
 Bedrooms: 2
 Bathrooms: 1
 Heating/Cooling: Electric



HEATING & COOLING COMPARISONS

	Conventional	EPS	DIFF	%DIFF
Annual End-Use Cost (\$/yr)				
Heating & Cooling	\$2,430	\$915	\$1515	37.6%
<i>SAVINGS</i>			<i>\$1515</i>	
Annual End-Use Consumption				
Heating & Cooling (kWh)	24360	9170	15190	37.6%
Annual Energy Demands (kW)				
Heating & Cooling	13.2	5.9	7.3	44%

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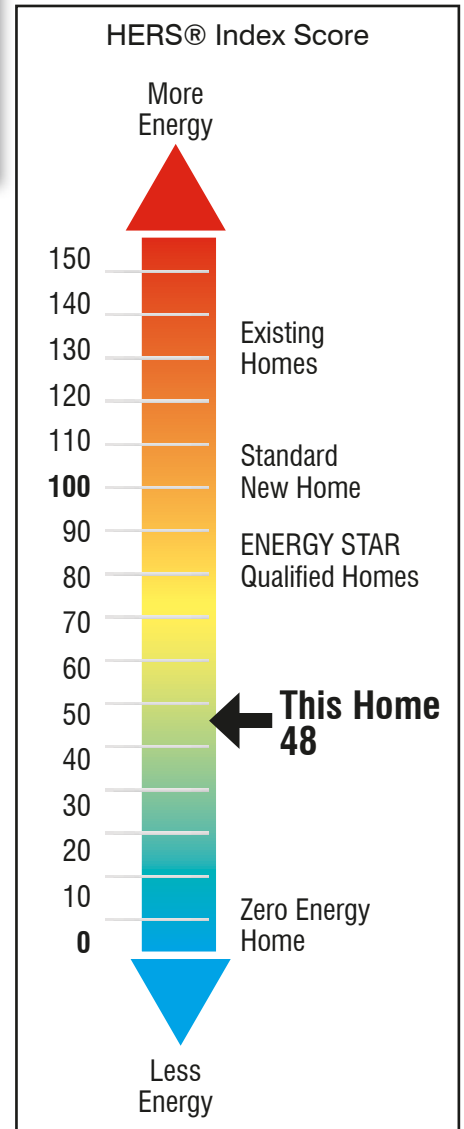
Energy Comparison Profile

Empire Fair



Location: New York State
Size: 1560 sq. feet

Levels: Loft style
Bedrooms: 2
Heating/Cooling: Fuel-fired hydronic distribution; air conditioner



HEATING & COOLING COMPARISONS

	Reference	EPS	DIFF	%DIFF
Annual End-Use Cost (\$/yr)				
Heating	\$894	\$400	\$495	55.3%
Cooling	\$102	\$33	\$68	67.3%
SAVINGS			\$563	

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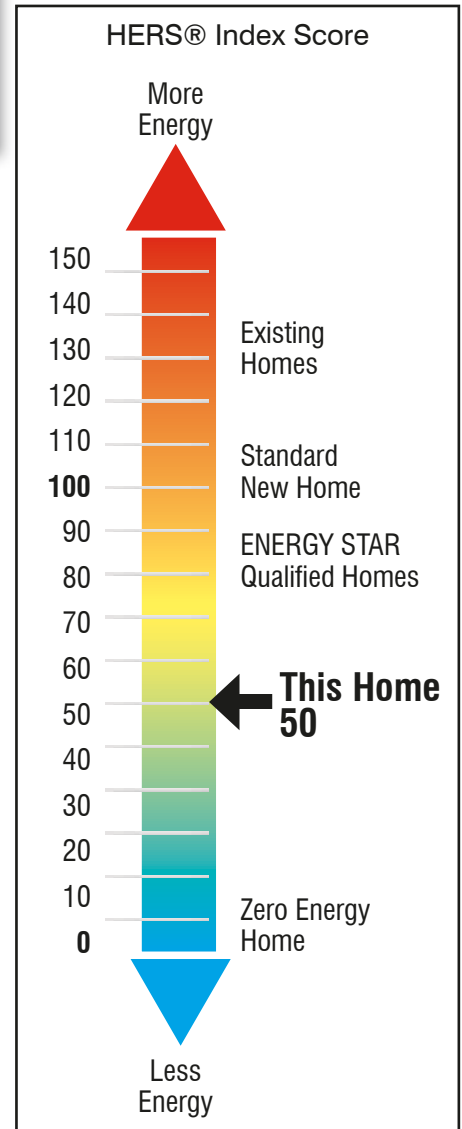
Energy Comparison Profile

Clay County Fair



Location: Northwest Iowa
 Size: 1560 sq. feet

Levels: Loft style
 Bedrooms: 2
 Heating/Cooling: Fuel-fired hydronic distribution; air conditioner



HEATING & COOLING COMPARISONS

	Reference	EPS	DIFF	%DIFF
Annual End-Use Cost (\$/yr)				
Heating	\$734	\$324	\$411	55.9%
Cooling	\$149	\$79	\$70	46.9%
SAVINGS			\$481	

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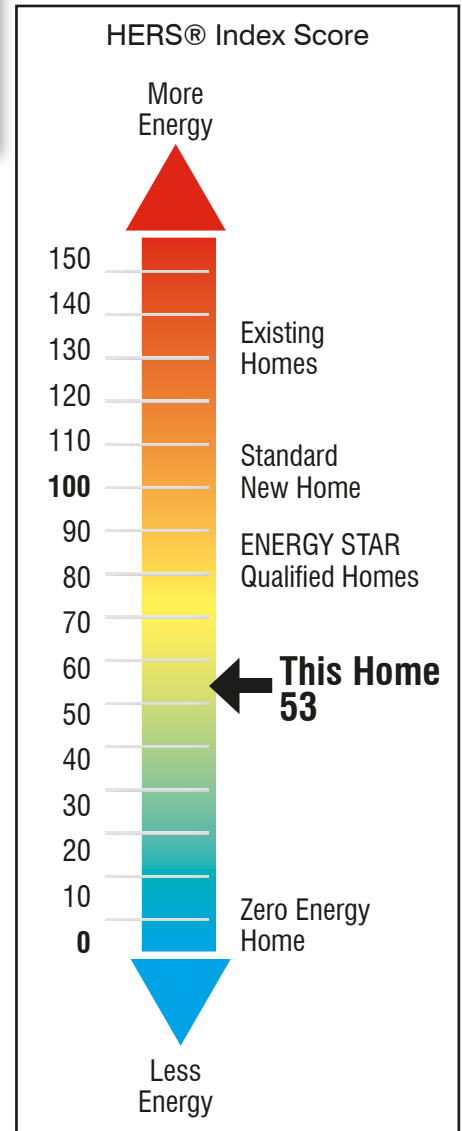


Energy Comparison Profile Residential



Location: Northcentral Iowa
Size: 5918 sq. feet

Levels: One
Bedrooms: 3
Heating/Cooling: Electric
hydronic distribution



HEATING & COOLING COMPARISONS

	Reference	EPS	DIFF	%DIFF
Annual End-Use Cost (\$/yr)				
Heating	\$1837	\$682	\$1155	62.9%
Cooling	\$189	\$64	\$125	66.3%
SAVINGS			\$1280	

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Energy Comparison Profile Apartment Complex



Location: Southern Minnesota
24 unit apartment complex

Apt. Size: 573 to 1016 sq. feet

Bedrooms: 1, 2 or 3

Heating/Cooling: Gas
hydronic distribution

Mac Arthur Company supplied vinyl siding and shingle roof. ENERGY STAR rated vinyl windows with low-e and argon gas. R-38 roof insulation; R-26 and R-33 structural insulated panel walls and pre-fabricated EPS interior stud walls.

3 bedroom, 1016 sq. feet averages \$185 per year to heat and cool—a 61% improvement over conventional framing.

2 bedroom, 900 sq. feet averages \$164 per year to heat and cool—a 68% improvement over conventional framing.

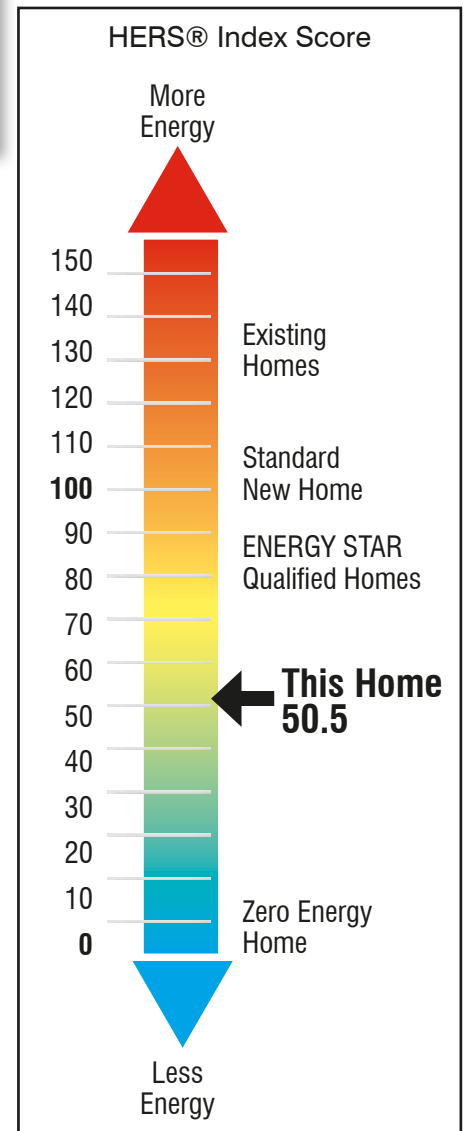
1 bedroom, 665 sq. feet averages \$138 per year to heat and cool—a 54% improvement over conventional framing.

HEATING & COOLING COMPARISONS

	Reference	EPS	DIFF	%DIFF
Annual End-Use Cost (\$/yr)				
Average of 24 apartments:				
Heating	\$340.79	\$113.75	\$227.04	66%
Cooling	\$69.83	\$51.60	\$18.23	26%
<i>Average SAVINGS per apartment</i>			<i>\$245.27</i>	

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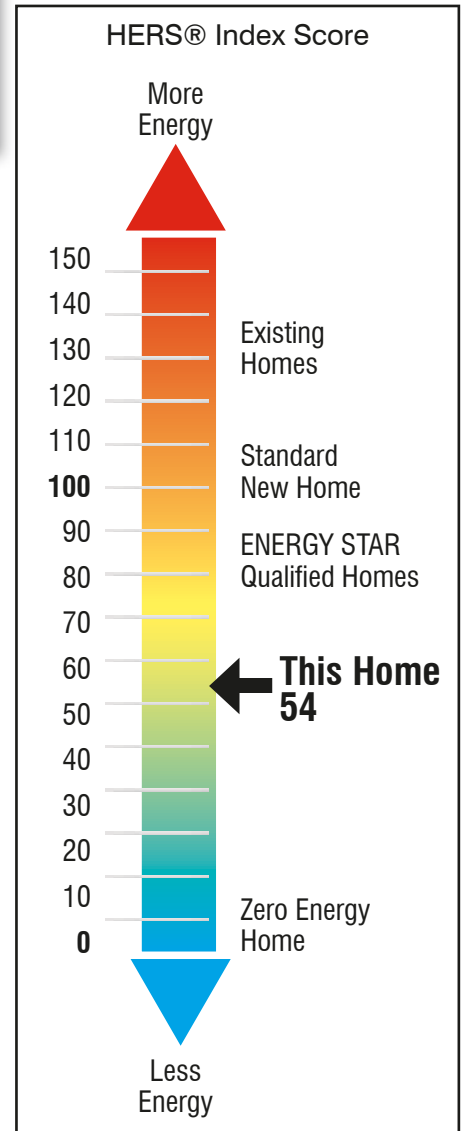


Energy Comparison Profile Residential



Location: Wyoming
Size: 3908 sq. feet

Levels: One
Bedrooms: 2
Heating/Cooling: Natural gas forced heat and electric air



HEATING & COOLING COMPARISONS

	Reference	EPS	DIFF	%DIFF
Annual End-Use Cost (\$/yr)				
Heating	\$2123	\$759	\$1365	64.3%
Cooling	\$165	\$63	\$102	61.6%
SAVINGS			\$1467	

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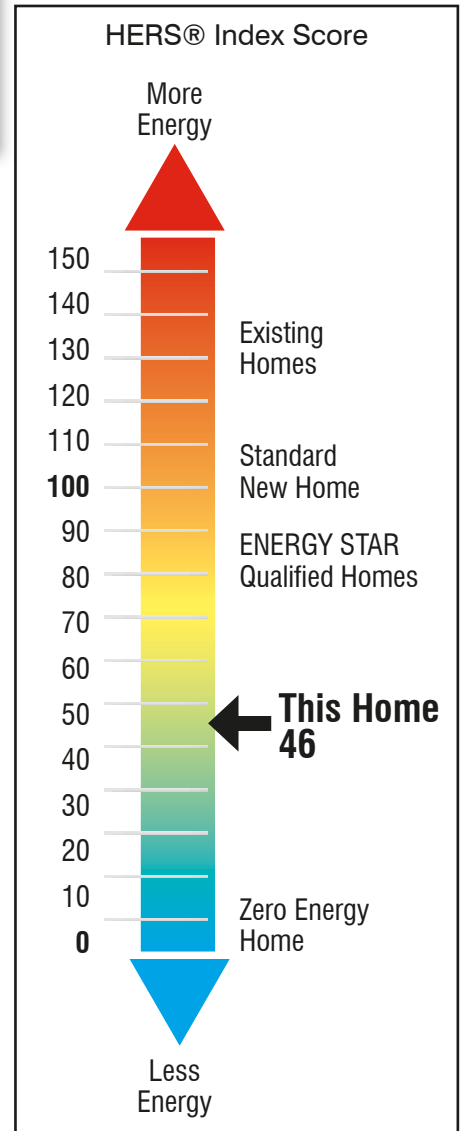
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Energy Comparison Profile Residential



Location: Kansas City, MO
Size: 6226 sq. feet

Levels: Two
Bedrooms: 4
Heating/Cooling: Natural gas forced heat



HEATING & COOLING COMPARISONS

	Reference	EPS	DIFF	%DIFF
Annual End-Use Cost (\$/yr)				
Heating	\$2219	\$826	\$1393	62.8%
Cooling	\$471	\$125	\$346	73.4%
SAVINGS			\$1739	

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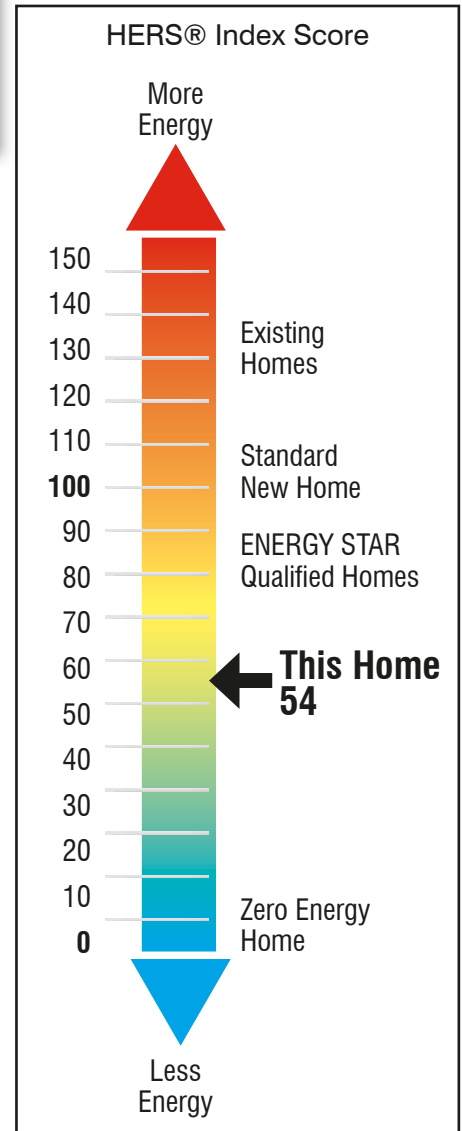
Energy Comparison Profile Residential



Location: Evergreen, CO
Size: 896 sq. feet

Levels: Multi
Bedrooms: 1
Heating/Cooling: Natural gas,
electric air conditioner

★★★★★+
5 Stars Plus Confirmed Rating



HEATING & COOLING COMPARISONS

	Reference	EPS	DIFF	%DIFF
Annual End-Use Cost (\$/yr)				
Heating	\$454	\$236	\$218	48%
Cooling	\$87	\$44	\$44	50.2%
SAVINGS			\$262	

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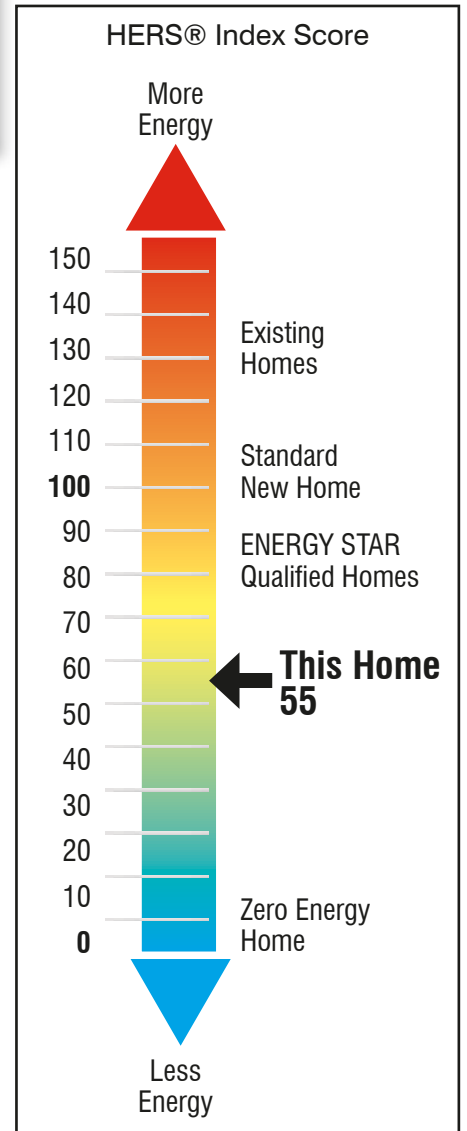
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Energy Comparison Profile Residential



Location: Southern Missouri
Size: 1787 sq. feet

Levels: One
Bedrooms: 3
Heating/Cooling: Ground source heat pump



HEATING & COOLING ENERGY SAVINGS

Annual Energy Savings (\$/yr)	
Heating	\$193
Cooling	\$77
Water Heating	\$191
SAVINGS	\$461

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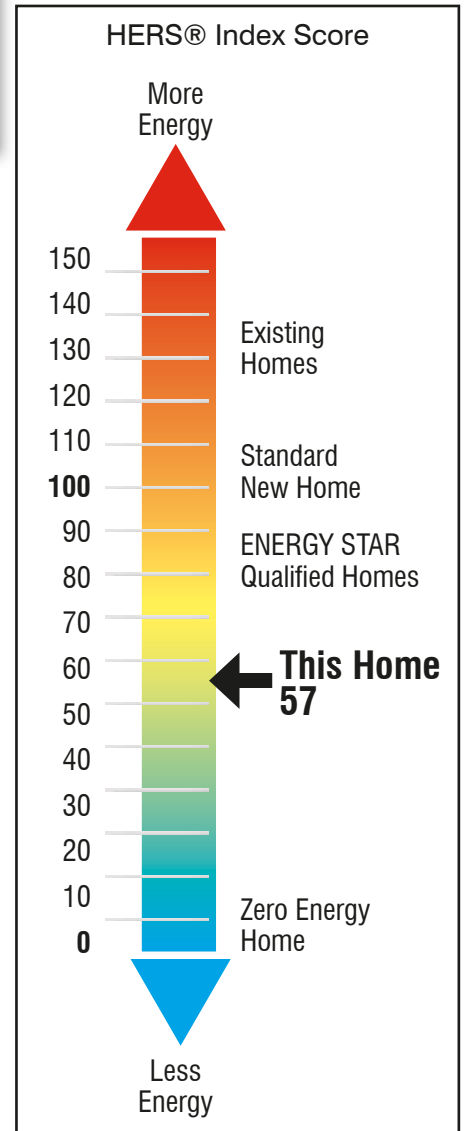


Energy Comparison Profile Residential



Location: Ashville, NC
Size: 5787 sq. feet

Levels: One
Bedrooms: 4
Heating/Cooling: Ground source heat pump



HEATING & COOLING ENERGY SAVINGS

Annual Energy Savings (\$/yr)

Heating	\$723
Cooling	\$279
Water Heating	\$24
Lights & Appliances	\$56
SAVINGS	\$1083

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