



FUEL SUMMARY

Date:	March 19, 2012	Rating No.:	10031
Building Name:	Lemke house	Rating Org.:	Energy Panel Structures
Owner's Name:	Dean Lemke	Phone No.:	507-920-6663
Property:	976 Finch	Rater's Name:	Donald Jahnke
Address:	Hampton, IA 50441	Rater's No.:	9739871
Builder's Name:	Craighton Construction		
Weather Site:	Mason City, IA	Rating Type:	Projected Rating
File Name:	lemke house.blg	Rating Date:	11-2-2011

Lemke house

Annual Energy Cost (\$/yr)

Electric	\$	1836
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Annual End-Use Cost (\$/yr)

Heating	\$	406
Cooling	\$	65
Water Heating	\$	427
Lights & Appliances	\$	939
Photovoltaics	\$	0
Service Charges	\$	0
Total	\$	1836

Annual End-Use Consumption

Heating (kWh)	4066
Cooling (kWh)	654
Water Heating (kWh)	4267
Lights & Appliances (kWh)	9388

Annual Energy Demands (kW)

Heating	11.1
Cooling	1.2
Water Heating (Winter Peak)	0.8
Water Heating (Summer Peak)	0.6
Lights & Appliances (Winter Peak)	0.8
Lights & Appliances (Summer Peak)	1.7
Total Winter Peak	12.6
Total Summer Peak	3.5

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Lemke house

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Utility Rates:

Electricity: Alliant Energy

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ENERGY COST AND FEATURE REPORT

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Lemke house

ANNUAL ENERGY COSTS

Heating	\$	406
Cooling	\$	65
Water Heating	\$	427
Lights & Appliances	\$	939
Photovoltaics	\$	-0
Service Charges	\$	0
Total	\$	1836
Average Monthly	\$	153

ENERGY FEATURES

Ceiling w/Attic:	R-38 Blown Attic G1 U=0.026
Vaulted Ceiling:	R-38 Vaulted Open G1 U=0.025
Above Grade Walls:	6" SIP R-26 G1 U=0.038
Foundation Walls (Cond):	R-8.6 Draped, 8ft R=8.6
Found. Walls (Uncond):	None
Doors:	Steel Door-R6.2 U=0.140
Windows:	Low E .29 /.30 U=0.290
Frame Floors:	None
Slab Floors:	Uninsulated***** U=0.365
Infiltration:	Htg: 546 Clg: 546 CFM50
Infilt. Measure:	Blower door test
Mechanical Ventilation:	Balanced: ERV, 140 cfm, 40.0 watts.
Interior Mass:	None
Mech Equip List:	GSHP: Htg: 109.1 kBtuh, 5.1 COP. Clg: 40.0 kBtuh, 28.7 EER.
	Water Heating: Conventional, Elec, 0.92 EF.
Programmable Thermostat:	Heat=Yes; Cool=Yes

REM/Rate - Residential Energy Analysis and Rating Software v12.97

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ENERGY COST AND FEATURE REPORT

Lemke house

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Ducts:	Uninsulated Conditioned basement
Duct Leakage to Outside:	28.00 CFM @ 25 Pascals
Total Duct Leakage:	0.00 CFM @ 25 Pascals
Lights/Appliances:	Defaults
Active Solar:	None
Photovoltaics:	0.00
Sunspace:	No

Notes: Where feature level varies in home, the dominant value is shown.

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