

# Estimated Energy Cost Savings for a 1000 Square Foot Basement

City	Minneapolis		
Temperature Range	Annual Heating Hours	Average Heat Loss Btu/h Between Temperatures	C.O.P. Rating For Lexin Panels
60 - 70	1555	649	3.00
50 - 60	1096	3,896	3.00
40 - 50	1003	7,143	3.00
30 - 40	1229	10,390	3.00
20 - 30	849	13,636	3.00
10 - 20	882	16,883	3.00
0 - 10	347	20,455	3.00
-10 - 0	257	23,377	3.00
-20 - -10	88	26,623	

<i>Electricity Cost Per kWh</i>	<b>\$0.070</b>	<i>Efficiency of Gas Appliance</i>	<b>92%</b>
<i>Natural Gas Cost per Therm</i>	<b>\$1.15</b>	<i>Design Heat Loss</i>	<b>25,000</b>
<i>Propane Cost Per Gallon</i>	<b>\$1.50</b>	<i>Design Temperature</i>	<b>-12</b>

Lexin Heater(s)		Natural Gas Furnace / Boiler		Propane Furnace / Boiler	
<i>Annual Heat Loss Btu/h</i>	67,129,545	<i>Annual Heat Loss Btu/h</i>	67,129,545	<i>Annual Heat Loss Btu/h</i>	67,129,545
<i>Total kW</i>	19,669	<i>Total Therms</i>	730	<i>Total Gallons Propane</i>	797
<i>Total Energy Cost</i>	<b>\$458.94</b>	<i>Total Energy Cost</i>	<b>\$839.12</b>	<i>Total Energy Cost</i>	<b>\$1,196.18</b>

<i>Annual Cost Savings with Lexin vs Nat. Gas</i>
<b>\$380.18</b>

<i>Annual Cost Savings with Lexin vs. Propane</i>
<b>\$737.24</b>