

# Breaking Down the Myth

## Cost Analysis : Gas vs Electric

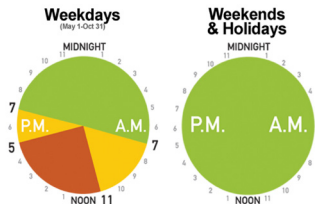
<b>Gas</b>	
<b>Installation</b> cost range	<b>\$ 450* - 850*</b>
<b>Running Heat Cost for Gas Fireplaces</b>	
Total BTU output	28,000 BTU/hr
Average time used	5 hrs/day 100 days/year
Annual BTU used	14,000,000
Cost per BTU (\$/Million BTU)	\$ 5.60
Total Annual Heating Cost with Gas Fireplace	<b>\$ 78.37</b>
Inefficiency Heat Loss Cost (Based on 70% efficiency)	<b>\$ 23.51</b>
<b>+</b>	
<b>Running Pilot Light Cost</b>	
Total BTU output	1,000 BTU/hr
Average time used	24 hrs/day 265 days/year
Annual BTU used	6,360,000
Cost per BTU ( \$/Million BTU)	\$ 5.60
Total Annual Pilot Light Cost	<b>\$ 35.60</b>
<b>+</b>	
Total Annual Cost with Gas Fireplace	<b>\$ 113.98</b>
Annual Gas Maintenance Requirement	<b>\$ 120.00</b>
<b>Total Annual Cost with Gas Fireplace</b>	<b>\$ 233.98</b>
<b>Cost per day</b>	<b>\$ 0.64</b>

<b>Electric</b>	
<b>Installation</b> cost range	<b>\$ 75*</b>
<b>Running Heat Cost for Dimplex Fireplaces</b>	
Total BTU output	4,937 BTU/hr
Fireplace (with thermostat cycling at 50%)	2,469 BTU/hr
Average time used	5 hrs/day 100 days/year
Annual BTU used	1,234,250
Electricity Rate per Hour \$/kWh	\$ 0.10
Cost per BTU (\$/Million BTU)	\$ 29.30
Total Annual Heating Cost with Dimplex Fireplace	<b>\$ 36.16</b>
Inefficiency Heat Loss Cost (Based on 100% efficiency)	<b>\$ 0</b>
<b>+</b>	
<b>Running Cost for Dimplex Fireplaces (Ambiance Only)</b>	
Total Watts	50 watts
Average time used	5 hrs/day 265 days/year
Annual Watts used	66,250 watts
Electricity Rate per Hour \$/kWh	\$ 0.10
Total Annual Cost (Ambiance Only)	<b>\$ 6.63</b>
<b>+</b>	
<b>Total Annual Cost with Dimplex Fireplace</b>	<b>\$ 42.79</b>
<b>Cost per day</b>	<b>\$ 0.12</b>

**Difference:**  
**Dimplex Fireplace average savings over gas 82%**

July 1, 2015 Natural Gas Rates	
Union Gas Limited (southern )	11.1676 c/m <sup>3</sup>
Enbridge Gas Distribution Inc.	--
Natural Resource Gas Limited	20.7873 c/m <sup>3</sup>

The rate for NRG includes storage and transportation charges.  
To see how these natural gas rates relate to your overall bill, visit our Natural Gas Bill Calculator.



Prices effective  
May 1, 2015

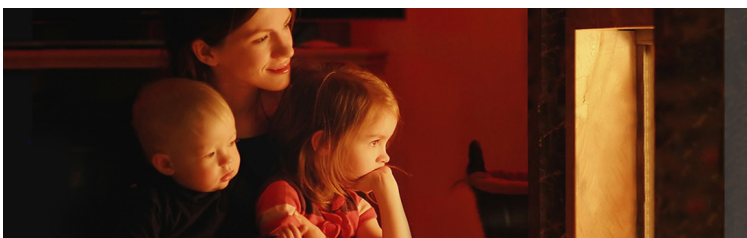
**OFF-PEAK**  
8.0 c/kWh.

**MID-PEAK**  
12.2 c/kWh.

**ON-PEAK**  
16.1 c/kWh.

\*\*Ontario Hydro: May 1, 2015 the price of off-peak power was increased to 8.0 cents/kWh. Mid-peak power was raised to 12.2 cents/kWh and on-peak power increased to 16.1 cents/kWh.

\* plus cost of unit



# Dimplex®

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