

# ENERGIE ABC HYBRIDE Inc.



Residential energy  
management products  
& services

## TRI-ENERGY™ a breakthrough in cost efficient home heating



**Home expert Jon Eakes\* says:**  
"I highly recommend TRI-ENERGY  
for home heating because it takes  
maximum advantage of the low  
Hydro residential DT rate."

### HOW IT WORKS

In most dual heating systems the heat pump only has limited capacity and therefore cannot always keep up with house thermostat demand for heat. As a result - while Hydro is still cheap - the more powerful fuel furnace kicks in to raise the falling house temperature back to set point. This switching (cycling) between heating appliances greatly degrades efficiency and increases heating cost. It also results in house temperature swings and excessive wear and tear on heat pump and furnace reducing service life.

TRI-ENERGY solves all this by adding a small electric heater in the main duct to inject measured heat to help the heat pump in meeting house heat demand down to  $-12^{\circ}\text{C}$ . Also, a small control panel called 3-FLEX is added to synchronize the heating appliances. Now the heat pump can run efficiently without interruptions until the signal from Hydro switches to furnace heat only, resulting in lower heating and maintenance cost as well as improved home comfort and less wear and tear.

### WHAT HOMEOWNERS WITH TRI-ENERGY SAY

**"Very satisfied, saving 50% over dual-heat."**  
Claude H., Beaconsfield, QC.

**"Surpassed all my expectations."**

Jean L., Brossard, QC.  
\*\*\*\*\*

**"Well worth the investment."**

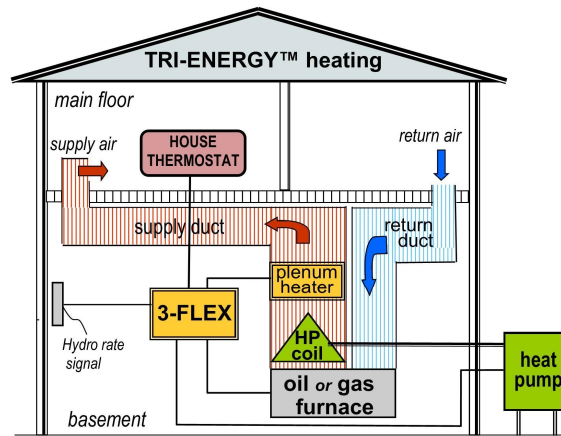
John K, Chomedey, QC.  
\*\*\*\*\*

**"The system is working perfectly!"**

Paul R, St.Lazare, QC.  
\*\*\*\*\*

**"Much more comfortable and no more oil smells."**

Helen C, Beaconsfield, QC.



Layout diagram of a TRI-ENERGY home heating system

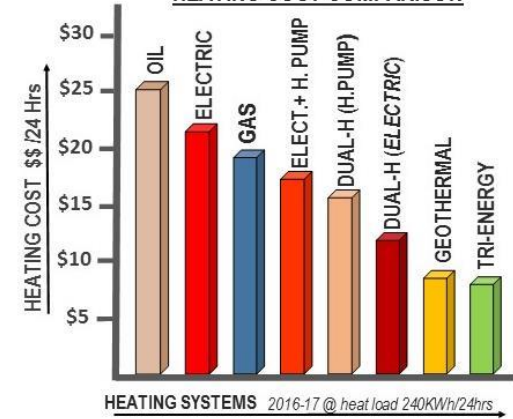
### TRI-ENERGY Key Benefits and Features

- Cuts heating cost up to **40%** and fuel use by up to **70%**
- Heat pump runs for longer, cycles less and lasts longer.
- No more bone chilling cold air during defrost cycles.
- Furnace kicks in only below  $-12^{\circ}\text{C}$ , extending its service life while sharply reducing harmful CO<sub>2</sub> emissions.
- LED lights to report heating appliance activity and alarms.
- Automatic transfer to electric heat in case of heat pump or furnace malfunction.
- Blower motor failure or a very dirty air filter shuts down the heating system for added safety.
- Blower fan on/off delays for comfort and savings.

### Fuel Furnace without Heat Pump

Adding a electric plenum heater to a fuel furnace without heat pump is also eligible for the low Hydro DT rate. Resulting equally in impressive savings and increased comfort.

### HEATING COST COMPARISON



The type of heating used greatly effects home heating costs.  
**How does yours stack up during a cold winter day?**

### TRI-ENERGY - It's Only Logical!

The ability to optimize heat pump efficiency while Hydro is cheap makes TRI-ENERGY the lowest cost heating system you can own in Quebec leaving all other options far behind. With TRI-ENERGY the heat pump cycles less allowing it to supply uninterrupted efficient heat during the colder days of winter when it really counts.

### Other Applications

The 3-FLEX controller unique ability to accurately regulate furnace heat supply in line with house heat demand without using temperature sensors makes it also suitable to reduce heating costs in other heating systems such as:

- Electric furnace with/ without heat pump
- Hydronic (hot water radiator heating)
- Multi-zone heating
- Single thermostat control for homes with combination HVAC / hydronic heating

### Contact us for a free consultation

Energie ABC Hybride Inc.

514-568-1996

[www.abchybrid.ca](http://www.abchybrid.ca)

Email: [info@abchybrid.ca](mailto:info@abchybrid.ca)

Product made in Québec

\* Jon Eakes "Home Improvement show"  
On CJAD 800, Saturdays 9 -10 am.



