

natural

# solutions at home



## Residential New Construction - EnerGuide 81 Home

55 Fairview Knoll, Moncton, NB



Angie Cambell & Tim Drisdelle

*"Since electric baseboard was getting too expensive for home heating, I felt a better way to heat a home was with a natural gas forced air furnace. Natural gas central heat and hot water systems in the homes I build have proven to be great selling features."*

Paul Allain, Owner, East Coast Homes

### Natural gas customer since 2006

55 Fairview Knoll is a two-storey, 1484 square foot (plus basement), three-bedroom, two-bathroom, semi-detached home built in 2005 by East Coast Homes.

East Coast Homes installed a natural gas forced air furnace and a natural gas water heater when the home was built. This highly energy efficient home has an EnerGuide 81 rating through Efficiency New Brunswick's New Homes Program.

Tim Drisdelle and Angie Cambell purchased the home and moved in February 2006. Their previous home was a similar size duplex that had electric baseboard heat. Tim and Angie had found the electric bills costly (\$200 to \$300 per month) in their previous home so chose a natural gas energy efficient home for the expected savings. They are now saving money, saving the environment, and are enjoying a more comfortable home.



*“In our previous home we had electric baseboard heat. We had very high energy costs and were never comfortable with the temperature in our home. Our new home is much less costly to heat and is much more comfortable. We have absolutely no regrets in choosing natural gas for our home...we would never go back to electric baseboard heat!”*

Tim Drisdelle & Angie Campbell  
Homeowners, 55 Fairview Knoll

#### Natural gas equipment:

- Carrier MCB Forced Air Furnace (60,000 BTU)
- John Wood Water Heater (50 gallon, 65,000 BTU)

#### Primary use of equipment:

- Primary central heat and hot water

#### Annual Energy Consumption:

- Because they have an energy efficient natural gas home, Tim and Angie’s annual energy consumption for heat and hot water is only 45 Gigajoules (GJ).

#### Annual Energy Costs:

- Tim and Angie’s natural gas bills to heat their home and water are \$800 per year.

#### Estimated Annual Savings:

- Enbridge Gas New Brunswick targets 20% annual savings with natural gas central heat and hot water versus electric central heat and hot water. Therefore, if Tim and Angie had chosen electric heat and hot water in their current home instead of natural gas, they would be paying an estimated \$200 more per year.
- It is interesting to note that Tim and Angie paid between \$200 and \$300 per month in their previous home that was a similar size to their current home. However, their natural gas and electric bills combined are an average of \$150 per month in their new home.

#### Emissions Avoidance:

- 7.3 tonnes (7,300 kg) per year greenhouse gas emissions avoidance by choosing natural gas instead of electricity for primary central heat and hot water

#### Other benefits:

- Natural gas central heat and hot water systems are good selling features for builders.
- Tim and Angie qualified for a \$3,000 rebate through Efficiency New Brunswick’s New Homes Program that came into effect in 2007 since their home has an EnerGuide rating higher than 80 and the home is heated with a non-electric fuel source.
- Tim and Angie never run out of hot water. Their natural gas water heater heats water more quickly than their previous electric water heater.
- Tim and Angie’s previous electric baseboard home had large variations in temperature from room to room and even within a room. With natural gas forced air, their new home is more comfortable since there is more temperature consistency in every room and throughout the home.