

# A New Paradigm in Energy

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## BACKGROUND:

DynaCurrent Technologies Inc. (DTI) has developed and patented a new and innovative technology to heat liquid using electricity. Testing to date shows this new technology is significantly more efficient than other electrical heating technologies in the marketplace. A potential commercial use is as an alternate heating source to oil, propane and electricity in homes and small- to- medium-sized buildings. In order to gain acceptance in the marketplace, DTI required a third-party performance evaluation in a residence to show how the new technology performs against the ones currently available. In working with Durham College (DC), DTI was able to conduct such testing.

## OBJECTIVE:

- To test performance of the new technology against the technology currently used in the marketplace.

## OUTCOME:

The performance evaluation conducted in partnership with DC and DTI showed that DTI's technology is significantly more efficient in heating a house than comparable technologies. In addition to being more efficient, the technology eliminates the carbon footprint of traditional home furnaces as well as the safety concerns associated with carbon monoxide. If a significant number of homes and buildings across the province were to replace their traditional furnaces with DTI's technology, it would make a significant impact on two of today's largest concerns—the rising price of energy and the environment—with one small action.

## ACKNOWLEDGEMENTS:

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