

Fuel cells offer an alternative

The world's appetite for energy is insatiable. But generating that energy the conventional way is causing damage to our environment. The Government of Canada is working with the private sector to find "greener" alternatives.

As part of its Climate Change Initiative, the Government of Canada is looking at ways to reduce emissions of greenhouse gases. We are also trying to reduce our dependence on imported oil.

Renewable energy sources like wind and solar power have tremendous potential. But what do we do when the wind isn't blowing or the sun isn't shining? One solution is the fuel cell.

Like a battery, a fuel cell is a device that stores energy in chemical form for later use. Fuel cells store energy in the form of hydrogen. When a fuel cell is activated, the hydrogen combines with oxygen to produce electricity. Because it takes energy to produce hydrogen, fuel cells are an ideal way to store energy from any source. For example, extra "green" energy from wind and solar power can be stored as hydrogen to be used when needed.

Fuel cells have a tremendous advantage over ordinary batteries. When a battery's fuel is exhausted, the battery must be recharged or discarded. In a fuel cell, the hydrogen is stored externally. To keep the fuel cell going, all you have to do is top up the storage tank.

Fuel cells are very efficient and produce little or no pollution. Their only by-product is water. They are also very versatile. A fuel cell can be used in any machine that operates on electrical power. In fact, fuel cells could replace internal combustion engines

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Julian Reed

to power cars and trucks. Fuel cell vehicles could be on the road within the next 10 years. They could even be put in devices as small as telephones or installed in power plants to provide electricity for a whole neighbourhood.

The basic principle behind the fuel cell was discovered in 1839, but the first working models of fuel cells were not built until 1958. Canadian scientists started working with fuel cells about 20 years ago. With support from the Liberal government, Canadian companies have become world leaders in this promising new technology

Since 2000, the Liberal government has granted \$50 million to the National Fuel Cell Research and Innovation Initiative led by the National Research Council. Through Technology Partnerships Canada (TPC), the government is working with the private sector on projects to bring down the cost of fuel cells so that they can be used more widely.

The world market for fuel cells is potentially huge. And Canadians are in an excellent position to reap the economic, as well as environmental, benefits.

—Julian Reed is the MP for Halton

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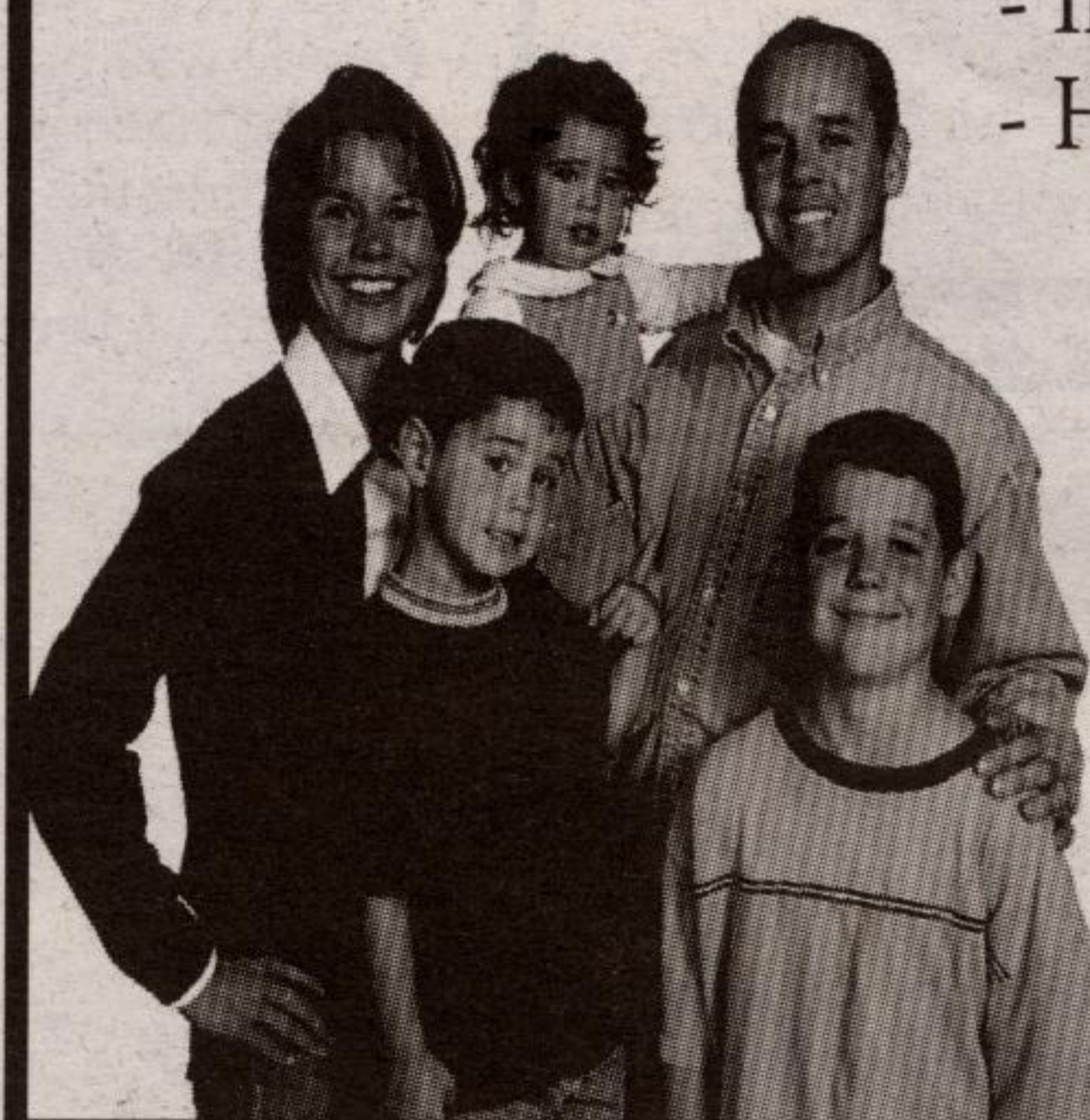
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Thank you, Champions for Youth in Halton Hills!

The "Keeping the Youth Centre Doors Open" Committee wishes to acknowledge the generosity of the many individuals, organizations and businesses that responded to the needs of our youth, and kept the Youth Centres open during June and through July.

Thank you to the groups and businesses that have made donations:

Acton High School Student Council
Barragers Cleaners
Dr. Garry Butwell
Catholic Women's League of Holy Cross Parish
CPI
Cursillo Group
Eramosa Physiotherapy Associates
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Georgetown District High School
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The Raging Grannies
Rotary Club of Acton
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St. Andrew's United Church
St. Andrew's United Church Women
St. John's United Church Tri 'S' Group
St. John's United Church Women
St. Vincent De Paul Society
TD Canada Trust
Trinity United Church Activity Group
Upper West Hospitality / Boston Pizza

Thank you to the individuals that have made donations:

Jean Armour	Doreen and Manley Densmore	Jon Hurst	Sandra Melhuish
Helen and Henry Bittorf	Audrey Gilmer	Kathleen Hurst	Marshall Neilson
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Helen Dubeau	Marion Hogan	Logan MacDonald	and anonymous donors
Janet Duval	Janet Horwood	Margaret McKane	

Thank you to the many people who have also made donations through numerous fundraisers held during the past few months.

Together we have raised \$14,800 and going strong . . .

Special thanks also to *The Independent and Free Press* and *The New Tanner* for excellent media coverage and assistance.

We look forward to working as a Citizen Committee with Halton Hills Community Support and Information to develop sustainability for the Youth Centres, and investing in tomorrow's adults - today's youth.

Sincerely, John Day, Volunteer Citizen Chair, Region and Town Councillor

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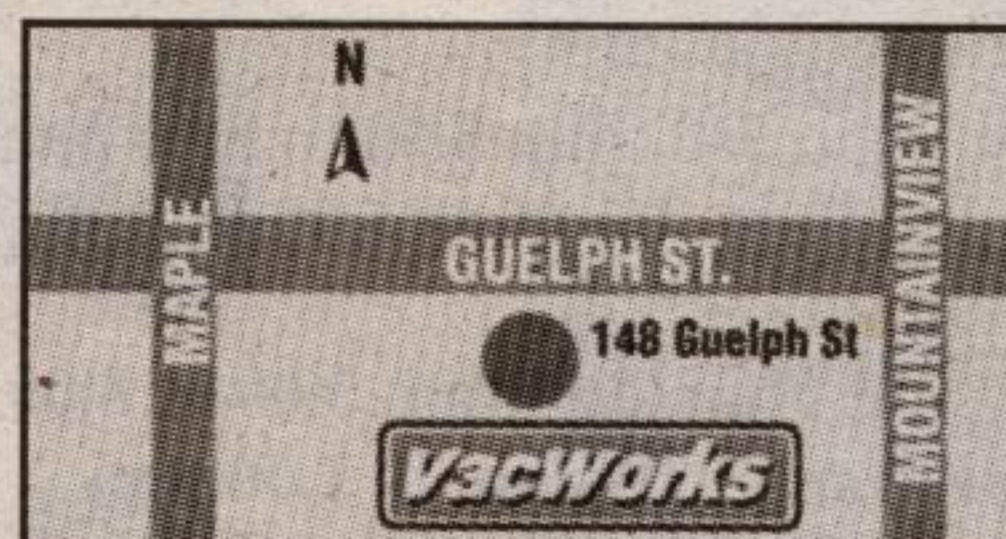
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Drug addiction can happen quickly and be hard to beat. So, why play games with your health and well-being? It's not a gamble worth taking.