



**Canadian Nuclear Society  
Société Nucléaire Canadienne  
Ottawa Branch**

**The Plug-In Hybrid Electric Vehicle, Nuclear Energy  
and the Hydrogen Economy**

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The reasons for the current interest in Plug-In Hybrid Electric Vehicles (PHEVs) as a way to deal with both the need to reduce carbon dioxide emissions and as a response to the impending peak in the world production of oil from conventional sources will be explored. The widespread deployment of vehicles of this type offers a major new opportunity for power derived from nuclear sources. This presentation follows the unfolding of the likely chain of events if this option succeeds. It is shown that this emerging avenue is both compatible with, and leads naturally to, greater use of hydrogen in the energy economy. The links to wind power and to generation based upon the introduction of carbon capture and sequestering processes in coal-based generation are also considered. This option is discussed with particular emphasis on the energy problems facing Ontario, and includes the issues related to the establishment of industrial complexes along the Great Lakes.

During the course of the presentation, a new approach to the control, metering and billing of the energy consumed in electrical vehicles of all types will be discussed including the enhanced opportunities open for nuclear energy.

Copies of the text will be available.

Date: **Thursday, March 20**

Time: 7:00 pm.

Location Air Force Mess (Astra Lounge, Main Floor)  
158 Gloucester St. (between Bank and O'Connor)  
Cash bar available.

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**- ALL WELCOME -**