# SILICON VALLEY NORTH

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## ENERGY AND ENVIRONMENT

# Oil and gas sector finally sees a need for cleaner energy

...vironmental concerns seem ...o be the top order of busi- ...when it comes to generating ...gy and exploiting hydrocar- .... People's concerns range ...oil sands mining effects — ...happens to the land after ...nining is finished and what is ...negative impact of explo- ...n — to gas flaring, one of the ...visible signs of a negative ...ronmental impact, and from ...trucks, and the diesel-using ...s and buses to the overriding ...erns about greenhouse gas ...sions and global warming.

...th the signing of the Kyoto ...ement, Canada and several ...r countries committed to re- ...g total per capita emissions. ...da has the toughest chal- ...since it has the highest per

leased by any hydrocarbon-based power supply, such as coal-based electricity generators. Every person who owns a car or every company that uses diesel engine powered semis or buses is contributing to greenhouse gas emissions, the most common of which are carbon monoxide and carbon dioxide ($CO_2$).

Canada has agreed to reduce $CO_2$ emissions to 6% lower than 90 levels by between 2008 and 2012. In order for this to take place, new technology is required to help reduce emissions in all aspects of Canadian life.

**William Gunter**, PhD, is the group leader for the **Alberta Research Council**'s environmental technologies division and an expert in technology with energy



## Virus hunters never meant to kill big game

**Fast Lane Communications Inc.** never intended to get into the virus-busting field. Yet when an opportunity came by, it didn't think twice.

When the virus Worm.ExploreZip crept into its network, it didn't look for outside help. Fast Lane employees solved it on their own. 'We didn't mean to get into this, it just happened. Like many companies, our computers got

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