

Ministry of Transportation and Infrastructure  
Government of British Columbia

## ***WORLD'S LARGEST HYDROGEN BUS FLEET SHOWCASED IN WHISTLER AT 2010 WINTER GAMES***

During the 2010 Olympic and Paralympic Winter Games, British Columbia shines a spotlight on the world's largest fleet of hydrogen fuel cell powered buses operating in a single location. The zero emission buses were developed as part of the Government of British Columbia's plan to reduce greenhouse gas emissions by 33 percent by 2020.

- Hydrogen fuel cell powered vehicles produce no smog-creating or greenhouse gas emissions, and can be twice as efficient as internal combustion engines. *(Source: Government of British Columbia)*
- The low-floor buses have a range of 450 - 500 kilometres (280 – 310 miles), a top speed of 90 km/h (55 mph) and a life expectancy of 20 years.
- The development of a hydrogen bus fleet is part of British Columbia's plan to reduce greenhouse gas emissions by 33 percent by 2020.
- The total cost for the hydrogen bus fleet, covering capital and operating costs to March 2014, is \$89.5 million.
- BC Transit's fuelling station in Whistler will have the largest capacity in the world. *(Source: BC Transit)*
- British Columbia's hydrogen and fuel industry employs approximately 1,200 employees at 35 organizations. *(Source: Ministry of Energy, Mines and Petroleum Resources)*
- By 2016, global sales for the hydrogen and fuel cell sector are estimated to reach \$8.5 billion.
- Vancouver has the largest concentration of hydrogen and fuel cell expertise in the world, providing 2,000 high-value, innovation-based jobs in Canada. *(Source: Allison Setton, Hydrogen Highway Program)*
- British Columbia is home to the world's first waste hydrogen capture, collection, distribution and dispensing system: the Integrated Waste Hydrogen Utilization Project in North Vancouver. *(Source: Ministry of Energy, Mines and Petroleum Resources)*

### CONTACT

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BC Transit is the provincial Crown Corporation responsible for the delivery of public transit in 52 communities throughout British Columbia outside Metro Vancouver. BC Transit is at the forefront of Canadian and North American urban transit systems in identifying and adopting innovative technology and alternate fuels to maximize efficiency and reduce harmful emissions and greenhouse gases.

## INDUSTRY PARTNERS

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## VISUAL RESOURCES

- For HD video or photographs of the hydrogen bus fleet – contact Joanna Morton, BC Transit for more information – contact details above.

## WEB RESOURCES

- BC Transit's web page on the hydrogen bus fleet <http://www.bctransit.com/fuelcell/>
- BC Transit's media releases on the hydrogen bus fleet <http://www.bctransit.com/fuelcell/media.cfm>
- British Columbia Hydrogen Highway webpage [www.poweringnow.ca](http://www.poweringnow.ca).
- Ballard Power Systems, Burnaby, British Columbia-based producer of zero emission fuel cells for the hydrogen bus fleet. <http://www.ballard.com/>
- British Columbia hydrogen bus fleet manufacturer New Flyer Industries, Winnipeg, Manitoba <http://www.newflyer.com/>
- Manufacturer of the hybrid drive system for the British Columbia hydrogen bus fleet, ISE Corporation, San Diego, California <http://www.isecorp.com/>

## MEDIA COVERAGE

- Going For Green, Daily Planet, Discovery Channel, Nov. 25, 2009  
<http://watch.discoverychannel.ca/clip239589#clip239589> (7:23 – 11:07)
- For good or ill, this will be the energy century: BC can make it good, Vancouver Sun, April 23, 2009  
<http://www.vancouversun.com/Technology/good+this+will+energy+century+make+good/1527442/story.html>
- Hydrogen highway on track, The Province, March 11, 2009  
<http://www.theprovince.com/Technology/Hydrogen+track+Lekstrom/1375787/story.html>
- An incremental truth, The Province, Aug. 19, 2007  
<http://www.theprovince.com/incremental+truth/836506/story.html>
- BC projects benefit environment, bottom line, CBC News, March 27, 2007,  
<http://www.cbc.ca/news/background/energy/hydrogen.html>
- Fuel Cell Buses: Technology In Transit, Journal of the Association of Professional Engineers and Geoscientists of B.C., July/August 2008 (p. 31-34)  
<http://www.apeg.bc.ca/resource/innovation/archive/2008/2008julaug.pdf>

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