

EVERY™ ALTERNATIVE. News Update

Cummins Westport **NEWS NOTES**

➤ **Look for Cummins Westport at the following upcoming conferences:**

- o **Alternative Fuels & Vehicles National Conference & Expo (AFVI)** ◇ April 1 – 4 in Anaheim, California www.afvi.org/NationalConference2007
- o **Waste Expo** ◇ May 7 – 10 in Atlanta, Georgia www.wasteexpo.com
- o **American Public Transportation Association (APTA) Bus & Paratransit Conference** ◇ May 6 – 9 in Nashville, Tennessee www.apta.com/conferences_calendar

Focus on **SALES & MARKETING**

Cummins Westport B Gas Plus Meets Next Level Euro Emissions Regulations

The Cummins Westport B Gas Plus 5.9 liter, 195-230 hp engine has offered reliable, proven service in thousands of engines in North America and worldwide. Now, in addition to being EPA 2007 compliant, the B Gas Plus is also Euro 5 / EEV certified.

Ideal for a variety of medium-duty applications, including urban bus, pick-up and delivery trucks, street sweepers, and shuttles, the B Gas Plus features lean-burn spark-ignited combustion and Cummins proven "Plus" Technology. It offers excellent torque, high fuel efficiency and reliable performance.

Today, for markets outside North America that seek proven, reliable performance in addition to low emissions, the Euro 5 / EEV certified Cummins Westport B Gas Plus engine offers an ideal choice. For more information, visit our website at www.cumminswestport.com/products/bgasplus.php.

Focus on **SERVICE & TECHNOLOGY**

ISL G - 2010 Emissions Today

The Cummins Westport ISL G 8.9 liter engine will launch in June 2007, three years ahead of the 2010 EPA emissions regulations. With the use of stoichiometric exhaust gas recirculation (EGR) and a maintenance-free three way catalyst, the ISL G offers over 80% lower NOx than the 2007 EPA phase-in provision. Its improved efficiency & reliability combined with high fuel price differentials, and US funding incentives such as the Highway Bill, can also result in reduced operating costs.

HCNG on the Road

HCNG is hydrogen blended with compressed natural gas (CNG). Adding hydrogen to CNG can offer improved performance and reduced emissions. In 2003, Cummins Westport and Westport Innovations, in partnership with SunLine Transit Agency of Palm Springs, CA, tested two Cummins Westport B Gas Plus engines running on a blend of 20% hydrogen and 80% CNG in regular transit service. Test results showed reduced emissions, good engine performance, and positive driver feedback.

In Canada, Translink, the Greater Vancouver Transportation Authority, has re-powered six buses with Cummins Westport C Gas Plus 280 hp engines. Four of these 1998 New Flyer 40-foot low-floor buses will operate on a blend of 20% hydrogen and 80% CNG as part of the Integrated Waste Hydrogen Project, as well as participating in Phase 2 of Translink's Bus Technology & Alternative Fuels Demonstration Project.

The four HCNG-powered buses are being evaluated for engine noise, fuel economy, emissions & exhaust odour, acceleration, braking, hill-climbing ability, and capital cost.

Cummins Westport's reliable C Gas Plus 280 hp engine is also powering fifty 2006 New Flyer 40-foot low-floor buses in regular service within the Greater Vancouver Area.

For more information on HCNG technology, visit these links:

www.cumminswestport.com/fuels/hcng.php
www.sacre-davey.com/presentation/GeneralPresentation.pdf
www.translink.bc.ca

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News Update

Focus on **INDUSTRY**

United Kingdom ♦ **Global LNG market to double by 2010**

London - The global market for liquefied natural gas is expected to grow rapidly until the end of the decade, doubling in size over five years to 2010, according to a report published by PriceWaterhouseCoopers.

That will mean LNG will be contributing around 40 percent of the anticipated growth in global gas supply between 2005 and 2010, it said.

Qatar, Nigeria and Australia will lead the growth, said Michael Hurley, head of the Global LNG team at PwC.

"The rise of Qatar is a key factor in a more global market, with supplies able to serve both the Atlantic and Pacific markets. In addition, new LNG capacity is planned to be developed in Iran, the Russian Federation and Yemen," he added. But the report also highlighted the risks facing companies involved in the LNG business such as BG Group PLC, stressing that previous LNG activity has been the subject of 'enormous ups and downs', with some infrastructure built in the 1970s

remaining unused until the 1990s.

The report added that technology will be key in determining the future shape of the market and a series of developments may transform the role of LNG still further, which will aid growth.

"Alongside the difficulties of managing large infrastructure investment in sometimes uncertain geo-political contexts, there is the added complexity and choice that comes from changing market conditions. Current market conditions are rather tight, however longer term, we are still facing a future where LNG can be accessed by utility companies in more locations, in greater volumes and in more flexible delivery modes," stressed Hurley.

Source: PwC, Forbes, Feb 28, 2007

China ♦ **Tianjin City to Double CNG Network in 2007**

Tianjin City - Tianjin Fuel Gas Group is doubling their compressed natural gas (CNG) mother/daughter network this year adding another three daughter stations to the current three daughter and one mother stations servicing the city.

The company opened their third daughter station last week, investing 7 million Yuan (\$US900,000) in the site. The company inaugurated their first mother CNG station in 2001, adding their first daughter station in 2003 and a second in 2006.

Source: NGVA, Feb 2, 2007

Pakistan ♦ **Major cities to have CNG-based transport system in five years**

ISLAMABAD — The federal government has approved an ambitious programme to introduce CNG-based public transport system in all major cities in five years. The project is aimed at replacing the existing diesel vehicles with CNG buses.

The government will provide Rs5 billion to partially offset the interest cost of loans companies may need from banks to put in place the required infrastructure and to purchase buses.

Karachi will be the first major city to benefit under the plan as about 500-600 CNG buses will hit the city roads early next financial year, followed by Lahore, Peshawar, Quetta and Rawalpindi-Islamabad.

The provincial governments will provide land for parking and meet related requirements of these companies on lease to reduce initial costs.

Source: Khaleej Times, United Arab Emirates, 1 March 2007