Subject: [Fwd: Hybrid Buses]
Date: Thu, 09 Jan 2003 11:38:55 -0800
From: Brian Platts <brian_platts@telus.net>
To: Corrie Kost <kost@triumf.ca>

Subject: Hybrid Buses
Date: Thu, 09 Jan 2003 10:03:13 -0800
From: Dan Ellis <ellis7880@shaw.ca>
To: Glenn Hendersen <glennvancouver@hotmail.com>
CC: ecrist@dnv.org, rwood@westvancouver.net, mayorbell@dnv.org, FONVCA <fonvca@fonvca.org>

Glenn:
Is TransLink actively pursuing this issue?
If not, I'd appreciate you bringing it up at TPAC, with a view to building a strong municipal push for it.

Transit is the ideal application for hybrid drive, because it offers dramatic reductions in:

- **fuel costs (energy recovery in stop-start driving)**
- **air pollution (health benefits from less carcinogenic diesel soot, less contribution to smog)**
- **greenhouse gas emissions (large fleet fuel use - fits Kyoto)**

It's also a "fit" with the Lynn Valley OCP we developed in the late 90's.

I have past experience with the development of new technology (BC Gas, Gas Technology Canada, Canadian & US Gas Research Institutes) so I'm not wearing any blinders about pitfalls.

However hybrid vehicle power is now becoming well-proven, and major transit hardware suppliers are now involved (see clip below).

Thanks,
D.H. (Dan) Ellis, P.Eng
Director at Large,
Lynn Valley Community Association

Philadelphia fleet adds hybrid-powered buses

ELECTRIC VEHICLES

The Southeastern Pennsylvania Transportation Authority (SEPTA) has added two parallel hybrid-powered 40foot buses to its fleet.

Manufactured by New Flyer of America, the buses serving the Philadelphia area are powered by an advanced parallel hybrid- electric powertrain, the EPSystem(TM), from Allison Transmission Division of General Motors. A Cummins ISL engine from Cummins Inc. delivers the ideal combination of power, low weight, and low emissions.

The hybrid-electric powertrain brings environmental benefits by significantly reducing the hydrocarbon, carbon monoxide, oxides of nitrogen, and particulate matter emissions of conventional diesel buses. The E^sup P^System-powered buses deliver up to 50% better acceleration and fuel efficiency compared to conventional diesel buses.

For more details, visit gm.com

http://www.gm.com/cgi-bin/pr_display.pl?3253