

## BWG-P-001

### New Vehicle Technology (PowerShift) Demonstrations

#### Projects underway/agreed for funding

<b>Project/Company</b>	<b>Project description and objectives</b>
Electrocity Wright Group Ltd	Trial of diesel-fuelled micro turbine Hybrid electric 12-metre bus to demonstrate the technical, operational and commercial viability of this technology under real world conditions. Aim is to meet/exceed Euro IV emissions and improve fuel efficiency by 30-50%
RSLTD/ Resourcesaver Ltd	Trial of a SEV 7-tonne Electric Vehicle used to collect household recyclables to demonstrate the technical, operational and commercial viability of this technology under real world conditions.
Minivan/ TDI Ltd	Building of a pre-production electric van and battery interchange system to demonstrate carbon saving
HVO1/ ENECO Ltd	Development of a LPG hybrid electric vehicle for urban delivery application to provide 30% fuel savings over diesel equivalent with possibility for zero tailpipe emissions on limited battery only operation.
SUSBUS/ Susbus Ltd	Supply of Landfill (biogas) for road vehicle use in order to operate 10 – 15 vehicles and to establish emissions reductions equivalent to CNG. To demonstrate the technical, operational and commercial viability of this technology under real world conditions.
POWERBUS/ EA Technology	Conversion of bus to diesel electric hybrid drive for public transport purposes. To demonstrate considerable potential reduction in CO <sub>2</sub> emissions.
ETS/ PROJECT H	Build of 2 diesel/electric series hybrid double deck buses in order to provide reliable public transport with reduced emissions. Aims to reduce fuel consumption, CO <sub>2</sub> , NO <sub>x</sub> and PM by 50%
GMPTEBUS/ LTC(ENECO)	Build of 2 diesel/electric hybrid shuttle buses. Demonstration of the technical, operational and commercial viability of this technology under real world conditions. Euro 3 engine equivalent as installed with reduction of CO by 25%, NO <sub>x</sub> by 25%, HC by 25% PM by 25% and CO <sub>2</sub> by 35%
FUELCELL/ London Bus Service	Demonstration of three hydrogen fuel cell buses for London. To achieve better than Euro V emissions. Hydrogen derived from natural gas.

FUELCELLH/ BP	To provide hydrogen fuelling infrastructure for London Bus service demonstration (see above). Hydrogen derived from natural gas
ECO-TAXI/ Cosworth	Diesel electric parallel hybrid taxi. To achieve zero tailpipe emissions capability under 30mph
HELT/ LPD	Diesel/electric hybrid taxi. To achieve zero tailpipe emissions capability for 8-30 km depending on cycle and 25% fuel efficiency improvement.