Projects receiving DfT Clean Vehicle Technology Funding

Lead Applicant	Project Name	Technology Proposed	Number of Vehicles	Type of vehicle	Total DfT Grant sought
GLA	This project will involve the supply and fitment of pollution reducing technology known as Selective Catalytic Reduction (SCR) to 400 Euro III buses and one trial system to a Fire Service pumping appliance.	Selected Catalytic Reduction (an exhaust gas treatment)	1 400	Fire engine Buses	500,000
South Yorkshire Passenger Transport Executive	South Yorkshire Turning up the Heat on NOx. This project will reduce nitrogen oxides emissions by retrofitting buses with an innovative form of technology Called Thermo Management Technology (TMT). This would be installed on 41 of First South Yorkshire's Euro IV, Volvo B9TLs.	Thermal Management Technology (an exhaust gas treatment)	41	Bus	215,250
Merseytravel	Liverpool City Region NOx Reduction Project 2014. This project will provide retro-fit technology to reduce nitrogen oxides and other air emissions such as Particulate Matter (PM) and CO2 to Arriva vehicles that operate on routes through currently	Thermal Management Technology (an exhaust gas treatment)	19	Bus	126,000

	declared Air Quality Management Areas in the region.				
Southampton City Council	Southampton Clean Vehicle Technology Fund First TMT (Thermal Management Technology) . This project will fit Thermal Management Technology (TMT) to 9 buses in order to improve the effectiveness of the factory fitted Selective Catalytic Reduction exhaust after treatment system. TMT technology will help ensure that exhaust temperatures do not fall below the optimum levels required for efficient nitrogen oxides reduction.	Thermal Management Technology (an exhaust gas treatment)	9	Bus	44,550
Leicester City Council	BREATHE 2 (Bus Retrofit: Attenuating Harmful Emissions). This project will retrofit five 'Euro III' buses with combined Selective Catalytic Reduction; this exhaust gas treatment technology reduces nitrogen oxides emissions by over 80%.	Selected Catalytic Reduction (an exhaust gas treatment)	5	Bus	100,000
Bradford	Clean Urban Bus (CURB) Emissions in Bradford. This project will retrofit five 'Euro III' buses with combined Selective Catalytic Reduction; this exhaust gas treatment technology reduces nitrogen oxides emissions by over 80%	Selected Catalytic Reduction (an exhaust gas treatment)	25	Bus	394,998

Bristol City Council	This project will fit a Thermal Management Technology (TMT) to 42 buses fitted as standard with Selective Catalytic Reduction (SCR) to increase the exhaust back pressure on the engine, increasing temperatures and allowing the existing SCR system to operate more effectively, reducing nitrogen oxides emissions.	Thermal Management Technology + Micro Hybrid System	42	Bus	378,000
Reading Borough Council	Reading Hybrid Compressed Natural Gas (CNG) Taxis. This project will involve the Council administering a grant scheme to award funding to individual taxi owners for the purchase natural gas dual fuel conversion technology for their vehicle.	Compressed Natural Gas/Diesel dual fuel conversion	113	Taxi	368,750
Merseytravel	Above	Selected Catalytic Reduction plus efan	11	Bus	173,503
Merseytravel	As above	Selected Catalytic Reduction (an exhaust gas treatment)	6	Bus	107,318
Southampton City Council	Southampton Bluestar Unilink Project. Southampton Bluestar Unilink project will modify 23 single decker buses with hybrid	Flywheel hybrid (Recovers energy to power ancillaries that would	23	Bus	351,900

	flywheel technology. Here kinetic energy during braking is stored in a rotating flywheel that in turn powers on-board utilities, reducing the overall energy draw on the engine. The system can also be used to return the stored power back to the axles for when the bus pulls away from a stop.	otherwise drain the engine)			
West Yorkshire Combined Authority	'Yellow Buses Go Green'. The project is to retrofit 46 Euro IV BMC-220 Condor School Buses with Selective Catalytic Reduction Technology (SCRT) to reduce significantly reduce pollutant (nitrogen oxides and particulate matter) emissions.	Selected Catalytic Reduction (an exhaust gas treatment)	23	Bus	277,550
Newcastle City Council (Lead)	North East Cleaner Bus KERS (kinetic energy recovery system) Project The project involves the fitting of flywheel hybrid technology to 30 buses on two routes that operate out of Newcastle to North Tyneside/ Northumberland and Gateshead/Sunderland.	Flywheel hybrid (Recovers energy to power ancillaries that would otherwise drain the engine)	30	Bus	472,500
Dudley Metropolitan Borough Council	Project RAPIDE (Reducing Air Pollution in Dudley's Environment). The project involves the retrofit of 10 coaches (four Euro III and six Euro II vehicles) with Selective	Selected Catalytic Reduction (an exhaust gas treatment)	10	Coach	158,000

	Catalytic Reduction and Particle Trap (SCRT) technology to reduce emissions of nitrogen oxides (NOx) and particulate matter (PM).				
Yorkshire Ambulance Service	Yorkshire Ambulance Service NHS Trust Solar Panels for vehicles Yorkshire Ambulance Service NHS Trust drives 40 million kilometres a year and run a diesel fleet. The present fleet are diesel, vehicles are run when stationary in order to stop the batteries from going flat. A flat battery can lead to the vehicles being designated off the road, jeopardising lives across the Yorkshire region. This project will install solar panels on the fleet in order to reduce the need for engines to be run to batteries being drained, which will reduce vehicle emissions and improve air quality.	Solar panels on roof	175	Rapid Response Vehicle (ambulance)	166,000
Brighton & Hove City Council	Cleaner Air for Sussex Brighton and Hove will modify 30 taxi Selective Catalytic Reduction, and exhaust gas treatment that changes nitrogen oxides (NOx) to nitrogen gas. This technology has been successful on buses, and the project will establish its potential for minibus taxis.	Selected Catalytic Reduction (an exhaust gas treatment)	30	Taxi minibus	195,000

Birmingham City Council	Birmingham NOx reduction Champions. This project will enable the conversion from diesel to Liquid Petroleum Gas (LPG) of 80 black cabs to reduce nitrogen dioxide emissions in the areas of highest pollution.	Liquid Petroleum Gas Conversion	80	Taxi	500,000
Portsmouth City Council	Portsmouth Hybrid Vehicle Fleet This project will fit Ashwoods' Hybrid technology to 18 vehicles within the Local Authority Fleet. All of these vehicles operate on congested roads and through Air Quality Management Areas so this retrofit will contribute to reductions of emissions in these areas.	Ashwoods Hybrid The hybrid technology enables it to charge itself during braking, and then assist the engine during acceleration, reducing emissions of both carbon and vehicle pollutants.	18	Van	125,481
Colchester	Colchester Low emission Bus Project. The Colchester Borough Council Clean Bus Project will fit selective catalytic reduction technology to ten buses; this proven technology reduces oxides of nitrogen emissions by over 80%. A particulate trap will also be fitted to eliminate most of the harmful particulate matter emissions, and in addition an electronic cooling fan will improve fuel efficiency, further reducing emissions.	Selected Catalytic Reduction (an exhaust gas treatment)	10	Bus	194,000

Merseytravel	Liverpool City Region nitrogen oxides (NOx) Reduction Project 2014 As above	Selected Catalytic Reduction (an exhaust gas treatment)	1	Bus	16,500
Chester West and Cheshire Borough Council	Cheshire Upper Northgate Air Quality Action. Chester West and Cheshire Borough Council will retrofit six double decker buses and two single decker buses with selective catalytic reduction. This exhaust gas treatment technology converts oxides of nitrogen to nitrogen gas, delivering in excess of 80% reduction of this pollutant.	Selected Catalytic Reduction (an exhaust gas treatment)	8	Bus	134,700

Total DfT CVTF grant award = £5,000,000