US PEMS campaign and EU data sources

icct
THE INTERNATIONAL COUNCIL ON CLEAN TRANSPORTATION

WVU/ARB experimental campaign test vehicles

- US campaign (WVU/ARB)

No	Make	MY	Engine	Mileage	Aftertreatment	Emissions Limit
1	VW Jetta Wagon TDI	2012	2.0L	4710	DOC+DPF + LNT	Tier 2 Bin 5/ ULEV II
2	VW Passat TDI	2012	2.0L	15226	DOC+DPF + SCR	Tier 2 Bin 5/ ULEV II
3	BMW X5 xDrive35D	2012	3.0L I6	15000	DOC+ DPF + SCR	Tier 2 Bin 5/ ULEV II

icct
THE INTERNATIONAL COUNCIL ON CLEAN TRANSPORTATION

ED_006561_00000972-00002

WVU/ARB experimental campaign test plan

Vehicle	Gaseous PEMS	Chassis Test	Comments
VW Jetta 2013 Wagon 	LA & San Diego innercity loop Rush-hour traffic Up/Down hill	NEDC x2 FPT x2 US06 x2	
VW Passat 2012 	LA & San Diego innercity loop Rush-hour traffic Up/Down hill LA-Seattle (3000 miles)	NEDC x2 FPT x2 US06 x2	PEMS cross check with CVS and Sensors PEMS
BMW X5 35D 2012 	San Francisco & LA Innercity loop Rush-hour traffic Up/Down hill	NA	Includes gravimetric PM measurement with Horiba TRPM

icct
THE INTERNATIONAL COUNCIL ON CLEAN TRANSPORTATION

ED_006561_00000972-00003

EU data sources (external)

Vehicle	Gaseous PEMS	Chassis Test	Comments
VW Passat 2011	Highway (Milano) Rural (Varese) Uphill-downhill (Sacro Monte)	NEDC CADC	Tested by JRC (manufacturer-provided pre-series vehicle)
BMW X5 35D 2012	AECC routes	NA	Tested by AECC (rental vehicle)

icct
THE INTERNATIONAL COUNCIL ON CLEAN TRANSPORTATION