Bus Diesel Engine Replacement

TIP Id #	40-1101-05	**Year of Operation**	2011
Agency	MTA - Transit	**Project Type**	Fleet Improvement
Project Category	Emission Reduction Strategy	**Functional Class**	NA
Conformity Status	Exempt	**Physical Data**	NA
STIP Reference #	NA		

Description	Justification
This project entails replacement of Detroit Diesel Series 50, 275 HP engines in thirty (30) of MTA's 2002 Neoplan 40 Low Floor Transit Buses with reconditioned Cummins ISL-NX '07 280 HP engines. The new engines are fully compliant with EPA 2007 emissions requirements and will significantly reduce emissions from the buses through the installation of active regeneration Diesel Particulate Filters (DPFs) as required by the 2007 EPA regulations to further reduce emissions.	The installation of these 30 new technology engines with DPFs will reduce the emission of nitrous oxides (NOx), particulate matter (PM), hydrocarbons (HC), and carbon monoxide (CO) by 8.2%, 8.6%, 0% and 10.9% respectively.

Clean Fuels Discretionary Program (funding for capital projects)

	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
Phase	**Previous Federal Funds**	**Previous Matching Funds**	**FY 2010 Federal Funds**	**FY 2010 Matching Funds**	**FY 2011 Federal Funds**	**FY 2011 Matching Funds**	**FY 2012 Federal Funds**	**FY 2012 Matching Funds**	**FY 2013 Federal Funds**	**FY 2013 Matching Funds**	**Estimated Project Total**
CON	**$1,366**	**$373**									**$1,739**
OTH											
PE											
PP											
ROW											
Totals	**$1,366**	**$373**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,739**

EPA National Clean Diesel Funding Assistance Program (funding for capital projects)

	Previous Requests		Annual Element		Federal Funding Requests						Project Totals
Phase	**Previous Federal Funds**	**Previous Matching Funds**	**FY 2010 Federal Funds**	**FY 2010 Matching Funds**	**FY 2011 Federal Funds**	**FY 2011 Matching Funds**	**FY 2012 Federal Funds**	**FY 2012 Matching Funds**	**FY 2013 Federal Funds**	**FY 2013 Matching Funds**	**Estimated Project Total**
CON	**$505**	**$227**									**$732**
OTH											
PE											
PP											
ROW											
Totals	**$505**	**$227**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$732**