



Bus Efficiency Enhancements Research and Demonstrations

TIP ID	40-1501-05	Year of Operation	2015
Agency	MTA - Transit	Project Type	Fleet improvement
Project Category	Emission Reduction Strategy	Functional Class	NA
Conformity Status	Exempt	Physical Data	NA
CIP or CTP ID(s)	0554	Est. Total Cost	\$708,000

Description:

The Maryland Transit Administration will receive funding to develop and demonstrate a retrofit of 41 hybrid buses. The MTA proposes to retrofit 41 2011 and 2012 model year buses with a new beltless alternator to reduce alternator maintenance, related belt failures, road calls, improve fuel economy and subsequently, greenhouse gas emissions.

Justification:

This project will promote the development and demonstration of targeted energy efficiency enhancements for buses utilized in public transportation.

Amendment: This amendment adds a new project to the TIP utilizing Section 5312 (Research, Development, and Deployment Projects) funds. The project allocates \$496,000 in Federal Section 5312 funds and \$212,000 in State matching funds in FY 2015 for a total of \$708,000 in new funding.

Connection to Long-Range Transportation Planning Goals:

- 2.C Improve and Maintain the Existing Infrastructure -- Maintain/replace transit vehicles.
- 5.D Conserve and Enhance the Environment -- Reduce greenhouse gas emissions in accordance with state and local sustainability and climate change plans.





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(Funding in Thousands)

Section 5312 (Research, Development, and Deployment Projects)

Phase	FY 2014 Federal Funds	FY 2014 Matching Funds	FY 2015 Federal Funds	FY 2015 Matching Funds	FY 2016 Federal Funds	FY 2016 Matching Funds	FY 2017 Federal Funds	FY 2017 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$496	\$212	\$0	\$0	\$0	\$0	\$708
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$496	\$212	\$0	\$0	\$0	\$0	\$708
Total	\$0	\$0	\$496	\$212	\$0	\$0	\$0	\$0	\$708