

Washington Metropolitan Area Transit Authority
Board Action/Information Summary

<input checked="" type="radio"/> Action <input type="radio"/> Information	MEAD Number: 100433	Resolution: <input type="radio"/> Yes <input checked="" type="radio"/> No
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TITLE:

Bus Emissions Testing

PURPOSE:

Obtain Board of Directors authorization to enter into a sole source contract with West Virginia University Research Corporation for bus emissions testing.

DESCRIPTION:

This is a request to enter into a sole source contract between Washington Metropolitan Area Transit Authority and the West Virginia University Research Corporation (WVURC). The performance period of the contract is anticipated for one base year and four one year options contingent upon the availability of funding.

The base year of this project is fully funded through an Operating Grant received from The East Coast Hybrid Consortium (TECHC), a consortium comprised of public and private stakeholders, transit operators and non-operators, non-profit, educational entities, etc., interested in transit-related advanced, automotive "alternative fuels" technologies. Staff will pursue funding for option year testing from other grants if the program is necessary after the base year. Staff will return to the Board for approval of option year funding if additional funding is required. The funds provided by TECHC are non- federal funds.

The purpose of this contract is to engage WVURC to perform emissions testing and to collect actual emissions and operating data, such as the federally-regulated exhaust emissions, gather in-service vehicle performance and operating cost information e.g., miles per gallon, systems reliability, etc., for "head-to-head" comparison between Metro buses operating with (diesel-fueled) Hybrid-electric Propulsion Systems and buses fueled with Compressed Natural Gas, "clean diesel" and Bio-diesel fuels. This evaluation will assist Metro in determining which of the fuels and propulsion systems is the cleanest burning and the most cost effective to utilize in Metro`s operating environment; and will assist staff in determining which bus/fuel/propulsion system package, based upon a variety of elements and merit, will be "preferred" for specifying future

buses.

Finally, this project will generate additional operating and emissions data from certain Metro buses which had been tested by WVURC in 2004 and 2006 for further evaluation. It will be determined if there are any variances (increases) in emissions levels due to the additional mileage accumulated since the last tests.

The results of the collected emissions, operating and cost data will be utilized by Metro to enhance our current and future transportation and maintenance operations and will be shared with TECHC's stakeholders, Cummins Inc., (TECHC's sponsor) and other interested parties from the transit Industry.

FUNDING IMPACT:

Program:	Operating Grant
Project:	Hybrid Bus Technology
Budget:	\$200,000.00
This Action:	\$184,528.00
Prior Actions:	\$ 15,472.00
Remaining Budget:	\$ 0.00
Remarks:	All grant funds have been received from TECHC. Previous actions were for Metro labor. Staff will return to the Board for approval of Option-year funding for this contract.

RECOMMENDATION:

Approval to award a one year sole source contract with West Virginia University Research Corporation for bus emissions testing.