



Bullitt County Public Schools

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Memo

To: Jesse Bacon, Superintendent

From: Tony Roth, Transportation Director *TR*

Date: November 21, 2018

Re: Request to Convert Hybrid Bus

The request is to convert 1 hybrid bus to a conventional diesel bus using insurance settlement money from bus 1143. The rationale for the conversion is twofold: 1) Safety-the hybrids are a danger because of the slow shifting in the electric and 2) Fuel Efficiency-conventional diesel buses average 7 miles per gallon compared to hybrids, which average 5.5 miles per gallon. The amounts are as follows:

Settlement Money

Bus 1	\$72,421.00
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Expenditures

Bus 1 Parts and Service	<u>\$18,000.00</u>
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Total Remainder	\$54,421.00
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I would like to convert the first bus using Uhl's so we can learn best practice. If the first bus works as well as expected, the rest of the buses (4) will be done in-house at a later date upon additional board approval. Converting a hybrid to diesel will realize an average savings of 468 gallons per year, or 2340 gallons over the last 5 years of depreciation schedule. At \$2.77 per gallon, the district will save over \$6,400.00 per bus.

Umm
B. Sexton
9/3