



DATE: 06/05/12

WAKE COUNTY BOARD OF EDUCATION

Work Session

PRECIS

SUBJECT/TOPIC

GPS MANAGEMENT SYSTEM FOR THE TRANSPORTATION DEPARTMENT

DEPARTMENT, BOARD/STAFF LIAISON(S), AND ANY PRESENTERS FROM OUTSIDE THE DISTRICT

Don Haydon, Robert Snidemiller

BACKGROUND

Additional savings in transportation operating cost have been realized this year as a result of bidding and locking-in diesel fuel prices at below state contract rates. Staff proposes to reinvest a portion of the savings into a comprehensive GPS system for buses. The system will increase student safety, improve customer service, and further reduce operating costs. Payback on the investment in the systems through operating expenditure savings is estimated to be less than three years. Safety will be increased as a result of continual monitoring of bus speed, location and route; customer service will be improved by live tracking of buses and the ability to immediately inform parents of the location of buses; operation efficiency will result from time-stamping each stop, monitoring arrival and departure time, monitoring idling, and providing tracking of driver time and attendance. The initial equipment purchase and installation and first year service contract is for \$1,289,200; the cost for each of the subsequent four years of the contract is \$106,700/year, resulting in a total contract price of \$1,716,000. A conservative estimate of operating cost savings is \$750,000/year, or \$3,750,000 for the five year contract. The payback period for the initial purchase is 1.7 years.

FISCAL IMPLICATIONS

Funding for the initial equipment purchase and installation and first year service in the amount of \$1,289,200 is available in current year savings. Subsequent annual cost of \$106,700 will be funded from savings in operating cost in future years.

SAVINGS

The vendor, based on their history with other school districts, projects an estimated 5% savings in driver pay and another 3% savings in fuel costs. This would amount to approximately \$1.3 million in savings per year for WCPSS.

NEXT STEPS / RECOMMENDATIONS

This item will be presented for approval at the June 5, 2012 Board meeting.



Mission: Wake County Public Schools will significantly increase achievement for all students by providing a world-class education that equips students with the knowledge and expertise to become successful, productive citizens