



Return on Investment Analysis ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

“Networkfleet is a cost-effective management tool that delivers a great return on investment.”

Mark Holloman
Fleet Manager
Arkansas State Highway and
Transportation Department

Networkfleet customers can achieve a positive return on investment within months of installing GPS tracking. This case study shows the return on investment (ROI) the Arkansas State Highway and Transportation Department (AHTD) realized by implementing Networkfleet on its vehicles to reduce idle times, miles driven, and fuel consumed.

ESTIMATED SAVINGS BASED ON DOCUMENTED METRICS:

Idle Time

AHTD's baseline measurements indicated their vehicles averaged approximately 35% idle time, costing up to one gallon of fuel per hour, per vehicle. The department set a goal of reducing idle time to 20%, which was quickly achieved. Cutting average idle times almost in half resulted in annual savings of \$490,000.

CUSTOMER:
Arkansas State Highway and
Transportation Department (AHTD)

INDUSTRY:
State Government

NETWORKFLEET ENABLED VEHICLES:
2,500 Passenger Vehicles

IDLE MINUTES
PER HOUR



BEFORE GPS



AFTER GPS

Annual Savings
\$490,000
9 minutes less per hour

Miles Driven

AHTD also identified reducing miles driven as an important cost-reduction goal. Using Networkfleet to route vehicles more efficiently and reduce unnecessary side trips, the agency lowered total miles driven by nearly five percent, generating fuel savings of more than \$400,000.

BEFORE GPS

FY2012 35,762,287 miles



AFTER GPS

FY2013 34,028,853 miles



Annual Savings
\$433,359
1,733,434 less miles driven

CONTACT US

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BY DEPLOYING NETWORKFLEET ON ALL ITS HIGHWAY PASSENGER VEHICLES, THE AHTD:

- Reduced unnecessary idle time and miles driven
- Saved nearly \$1.2 million in bulk fuel purchases
- Lowered total operational expenses
- Reduced vehicle theft
- Improved response times during emergency situations

The AHTD oversees the twelfth-largest highway system in the U.S., with a fleet of several thousand vehicles used for highway construction and maintenance, transportation, administration, and law enforcement.

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Increased Fuel Economy

AHTD also recognized an increase in fuel economy of 2.51%, due to better driving habits and reduced speeds, resulting in increased fuel economy/MPG generating fuel savings of more than \$260,000.



Annual Savings

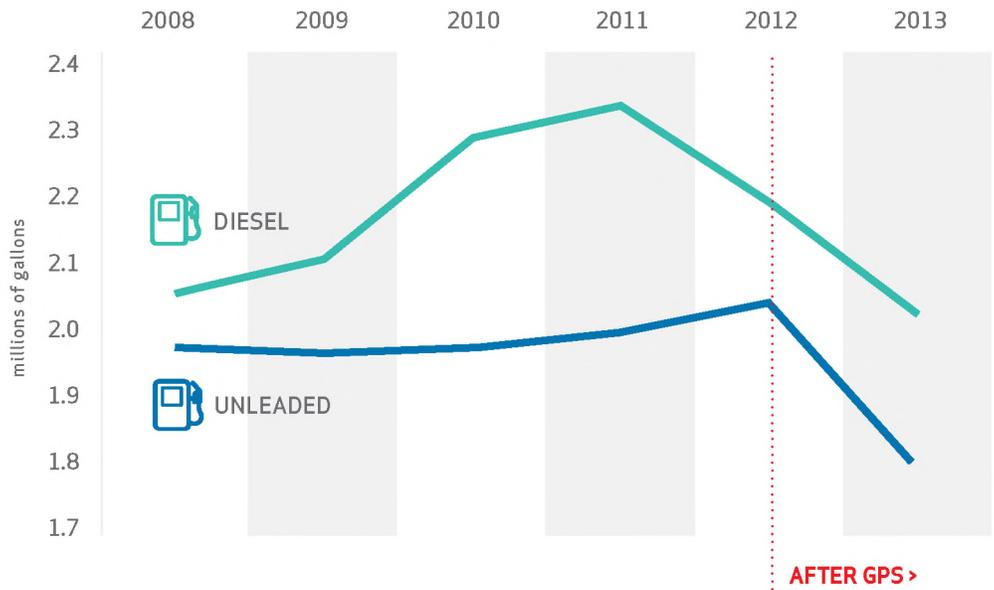
\$264,254

2.51% MPG increase

ACTUAL SAVINGS WERE VERIFIED BASED ON:

Yearly Fuel Purchased

Less idle time, fewer miles driven, and increased fuel economy resulted in a dramatic reduction in fuel consumption. AHTD reduced monthly purchases of unleaded gasoline by nearly 15%, and diesel fuel purchases declined by 2.8%. Combined annual savings on fuel purchases totaled nearly \$1.2 million.



	Reduced Usage	Monthly Savings	Yearly Savings
DIESEL	5,248 GALLONS/MONTH	\$17,423.36	\$209,080.32
UNLEADED	24,718 GALLONS/MONTH	\$81,816.58	\$981,798.96
TOTAL	29,966 GALLONS/MONTH	\$99,239.94	\$1,190,879.28

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