



## VEHICLE GPS

To reduce pollution & dependence on foreign fuel

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As a result of a successful grant application to the Mobile Source Reduction Committee (MSRC), the San Bernardino County Public Works Department (PW) was able to add 70 GPS units to its light-duty vehicle fleet.

The GPS devices, from Networkfleet, allow PW staff to monitor idle time, vehicle speed, and the operating systems of the vehicle.

Studies indicate excessive speeding in vehicles can decrease fuel economy an average of 25%. PW had reduced excessive speeding in its GPS-equipped vehicles by monitoring the GPS reports and through driver education, resulting in reduced speeding (less than 1%) reducing fuel consumption and emissions by 15%.



PW is currently concentrating on vehicles with excessive idle times (currently 37% Average) and plans to reduce idling to an average of 20% in the first year, reducing fuel usage and emissions on approximately 40,000 gallons of fuel.

Networkfleet is a continuous monitoring of engine computer systems that send alerts when a problem is detected, eliminating the need for physical inspections of clean vehicles and decreasing the amount of time that drivers spend taking vehicles to a shop waiting for diagnostic testing and repairs.

GPS systems of this type (Networkfleet is one of several manufacturers) will save the San Bernardino County Public Works fleet thousands of gallons of fuel and reduce its greenhouse gases by several tons.

