

Why it's better to have your child take the bus to school.

The data below is based on the New Paltz Central School District's transportation data with diesel at \$3.00 per gallon:

Number of school buses in your community	62
Average miles traveled per year per bus (ASBC Estimate)	13,500
Total mileage for all buses.	837,000
Total number of students in your community	2,600
The number of students transported by each school bus	42
Average number of students transported per car if a school bus is not available (ASBC estimate)	1.5
<hr/>	
The number of cars needed to transport students currently riding on one school bus	28
The number of cars needed to transport students currently riding on all school buses in the your community	1,733
Average fuel consumption (mpg) for community's school buses (7 is the ASBC estimate for large diesel engine powered buses.)	8
Average fuel consumption (mpg) for private vehicles (gasoline engines) (ASBC Estimate)	20
Average fuel use per school bus per year (gallons)	1,688
Total fuel used by all school buses per year (gallons)	104,625
Cost of diesel fuel per gallon for your fleet	\$3.000
Cost of gasoline per gallon in your area	\$2.000
Cost of diesel fuel per bus per year	\$5,063
Total cost of diesel fuel for all buses per year	\$313,875
Annual cost of fuel per child transported by school bus	\$121
Average distance from home to school for bus riders (ASBC estimate, 5 miles)	5
Assuming 2 round trips per day for parents to transport students in private vehicle, distance per day per student	20
Length of school year (days)	180
Average annual mileage to transport students from home to school and back in private vehicle	3,600
Cost of fuel for transporting one private vehicle making two round trips to school	\$360
Total daily car mileage saved by students riding school buses	34,667
Total annual car mileage saved by students riding school buses	6,240,000
Total annual car fuel savings by students riding school buses (gallons)	312,000
Total annual car fuel COST savings by students riding school buses	\$624,000
Total community savings in fuel by students riding school buses (gallons)	207,375
Total community savings in fuel cost per year by students riding school buses	\$310,125