

IDOT Request: Emissions Information for Chicago to St. Louis Route

2009 Data

Name of RR: [National Passenger Railroad Corporation \(Amtrak\)](#)

Address: [40 Massachusetts Avenue, NE](#)

City: [Washington DC](#)

State: [District of Columbia](#)

Zip Code: [20002](#)

CONTACT

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Determination of Fuel Consumption by Rail Line Segment or Route

Train Number	Distance One Way (miles)	Annual Frequency	Miles Traveled 2008	Fuel Usage Rate (2009) (gallons/mile)	Diesel Fuel Consumed Annually (gallons)	Name of Service	Direction	Annual CO ₂ Emissions (metric tons)
301	284	365	103660	1.47	152,380	Lincoln Service	Southbound	1556
303	284	365	103660	1.47	152,380	Lincoln Service	Southbound	1556
21	284	365	103660	2.22	230,125	Texas Eagle	Southbound	2350
305	284	365	103660	1.47	152,380	Lincoln Service	Southbound	1556
307	284	365	103660	1.47	152,380	Lincoln Service	Southbound	1556
300	284	365	103660	1.47	152,380	Lincoln Service	Northbound	1556
302	284	365	103660	1.47	152,380	Lincoln Service	Northbound	1556
22	284	365	103660	2.22	230,125	Texas Eagle	Northbound	2350
304	284	365	103660	1.47	152,380	Lincoln Service	Northbound	1556
306	284	365	103660	1.47	152,380	Lincoln Service	Northbound	1556
Total					839,646		Total	17146

kg CO ₂ /gallon Diesel Fuel	kg/metric ton
10.21	1000

Individual Passenger Comparison		
Single Round Trip Distance (miles)	CO ₂ Emissions - Train metric tons/passenger*	CO ₂ Emissions - Car metric tons/passenger**
568	0.10	0.25

*Calculated using 0.18kg CO₂/passenger mile which is the average for Amtrak.

**Calculated using 20.3 mpg for an average car (the fleet average used in DOT's MOBILE 6.2 model used by regional governments to model air quality) as well as 8.87 kg CO₂/gallon gasoline.