

Car Ownership versus carshare usage (per mile and year)

						 																																																										
Purchased New - Honda Civic Sedan LX 2017 Initial Cost: \$18,577 (KBB Fair Purchase Price – Jan 2017 - link)	Purchased Used - Honda Civic Sedan LX 2012 Initial Cost: \$9,889 (KBB Fair Purchase Price Jan 2017 - link)	Purchased Used - Honda Civic Sedan LX 2003 (\$2,399 - no loan)	Keep car after loan pay-off Honda Civic Sedan LX 2003 (Initial worth \$2,399 link)	Car2go Smart for two (reduced rate)	Car2go Smart for two (normal rate)	Car2go – Mercedes Benz CLA & GLA	ZipCar – reserved-space carshare service (round-trip)	ZipCar – reserved-space carshare service (one-way)																																																								
Car loan = \$333.80 monthly (5-year loan at 3% interest rate - link) = \$4005.60 Annual 5 Year Depreciation Cost (link): 1 st year \$5,201 to 5 th year \$1,114	Car loan = \$177.69 monthly (5-year loan at 3% interest rate - link) = \$2132.28 Annual 5 Year Depreciation Cost (link): 1 st year \$2,768 to 5 th year \$593	Purchase price: \$2,399 link	Purchase price: N/A	Initial Cost \$5 signup fee	Initial Cost \$5 signup fee	Initial Cost \$5 signup fee	Initial Cost \$25 one-time registration fee \$70 annual membership fee (occasional driving plan)	Initial Cost \$25 one-time registration fee \$70 annual membership fee (occasional driving plan)																																																								
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Driver's license: \$4 per year (link) Annual Property Tax Arlington: 1 st year = \$545.20 to 5 th year = \$77.06 (link)	Driver's license: \$4 per year (link) Annual Property Tax Arlington: 1 st year = \$241.16 to 5 th year = \$0 (link)	Driver's license: \$4 per year (link) Annual Property Tax Arlington: \$0 (link)	Driver's license: \$4 per year (link) Annual Property Tax Arlington: \$0 (link)	Driver's license: \$4 per year (link) Charges \$0.352 per minute (cost including 10% tax)	Driver's license: \$4 per year (link) Charges \$0.451 per minute (cost including 10% tax)	Driver's license: \$4 per year (link) Charges \$0.495 per minute (cost including 10% tax)	Driver's license: \$4 per year (link) Charges Base Rate: \$7.75 per hour (weekdays)	Driver's license: \$4 per year (link) Charges Base Rate: \$7.75 per hour (weekdays) \$11.50 per hour (weekends) =																																																								

<p>Annual County Decal: \$33 (link)</p> <p>Arlington Emission Inspection: \$28 (biannual; RAPIDPASS - link)</p> <p>Safety Inspection: \$16 (annually - link)</p> <p>Annual DMV registration cost: Passenger =< 4000 lbs = \$40.75 (link)</p> <p>Title Fee: \$10 (link)</p> <p>Motor Vehicle sale and use tax (initial): 4.15% of purchase price (or \$75 whichever is higher) = \$770.95 (at time of titling, sale, or change of ownership - link)</p> <p>Annual License Plate fee: \$10 (link)</p> <p>Avg. Annual Insurance costs (VA): \$1,211 (link)</p> <p>Avg. Annual Repair Costs: \$382 (link)</p>	<p>Annual County Decal: \$33 (link)</p> <p>Arlington Emission Inspection: \$28 (biannual; RAPIDPASS - link)</p> <p>Safety Inspection: \$16 (annually - link)</p> <p>Annual DMV registration cost: Passenger =< 4000 lbs = \$40.75 (link)</p> <p>Title Fee: \$10 (link)</p> <p>Motor Vehicle sale and use tax: 4.15% of purchase price (or \$75 whichever is higher) = \$279.81 (at time of titling, sale, or change of ownership - link)</p> <p>Annual License Plate fee: \$10 (link)</p> <p>Avg. Annual Insurance costs (VA): \$1,211 (link)</p> <p>Avg. Annual Repair Costs: \$382 (link)</p>	<p>Annual County Decal: \$33 (link)</p> <p>Arlington Emission Inspection : \$28 (RAPIDPASS - link)</p> <p>Safety Inspection: \$16 (annually - link)</p> <p>Annual DMV registration cost: Passenger =< 4000 lbs = \$40.75 (link)</p> <p>Title Fee: \$10 (link)</p> <p>Motor Vehicle sale and use tax: 4.15% of purchase price (or \$75 whichever is higher) = \$99.56 (at time of titling, sale, or change of ownership - link)</p> <p>Annual License Plate fee: \$10 (link)</p> <p>Avg. Annual Insurance costs (VA): \$1,211 (link)</p> <p>Avg. Annual Repair Costs: \$382 (link)</p>	<p>Annual County Decal: \$33 (link)</p> <p>Arlington Emission Inspection: \$28 (biannual (RAPIDPASS - link))</p> <p>Safety Inspection: \$16 (annually - link)</p> <p>Annual DMV registration cost: Passenger =< 4000 lbs = \$40.75 (link)</p> <p>NA</p> <p>NA</p> <p>Annual License Plate fee: \$10 (link)</p> <p>Avg. Annual Insurance costs (VA): \$1,211 (link)</p> <p>Avg. Annual Repair Costs: \$382 (link)</p>	<p>\$1.10 Driver (Protection fee + 10% Tax - up to 90 trips per calendar year)</p> <p>Insurance, Gas, Parking, Tax Included</p>	<p>\$1.10 Driver (Protection fee + 10% Tax - up to 90 trips per calendar year)</p> <p>Insurance, Gas, Parking, Tax Included</p>	<p>\$1.10 Driver (Protection fee + 10% Tax - up to 90 trips per calendar year)</p> <p>Insurance, Gas, Parking, Tax Included</p>	<p>\$11.50 per hour (weekends) = Average: \$9.625</p> <p>10% VA Tax (4% Motor Vehicle, 4% Local vehicle, 2% DMV rental Tax)</p> <p>= \$10.59 average hourly rate</p>	<p>Average: \$9.625</p> <p>10% VA Tax (4% Motor Vehicle, 4% Local vehicle, 2% DMV rental Tax)</p> <p>= \$10.59 average hourly rate</p>
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Note: Parking Cost not taken into consideration	Note: Parking Cost not taken into consideration	Note: Parking Cost not taken into consideration	Note: Parking Cost not taken into consideration					
Fuel Cost: avg. \$2.31 per gallon (February 2017- link) Fuel Consumption City: 28 mpg at \$2.31 = \$0.0825 per mile Highway: 40 mpg at \$2.31 = \$0.05775 per mile Total consumption per mile: 85% city (\$0.070125) / 15% highway (\$0.0086625) = \$0.0788 per mile	Fuel Cost: avg. \$2.31 per gallon (February 2017- link) Fuel Consumption City: 28 mpg at \$2.31 = \$0.0825 per mile Highway: 38 mpg at \$2.31 = \$0.0608 per mile Total consumption per mile: 85% city (\$0.070125) / 15% highway (\$0.00912) = \$0.079 per mile	Fuel Cost: avg. \$2.31 per gallon (February 2017- link) Fuel Consumption City: 21 mpg at \$2.31 = \$0.11 per mile Highway: 31 mpg at \$2.31 = \$0.0745 per mile Total consumption per mile: 85% city (\$0.0935) / 15% highway (\$0.0112) = \$0.1047 per mile	Fuel Cost: avg. \$2.31 per gallon (February 2017- link) Fuel Consumption City: 21 mpg at \$2.31 = \$0.11 per mile Highway: 31 mpg at \$2.31 = \$0.0745 per mile Total consumption per mile: 85% city (\$0.0935) / 15% highway (\$0.0112) = \$0.1047 per mile	Average Speed Arlington (City/Hwy): 20.87 mi/hr 1 mile = 2.875 min \$0.352*2.87 min = \$1.1 per mile + \$1.10 every 10 miles for new trip (Trip = 30 minutes)	Average Speed Arlington (City/Hwy): 20.87 mi/hr 1 mile = 2.875 min \$0.451*2.87 min = \$1.29 per mile + \$1.10 every 10 miles for new trip (Trip = 30 minutes)	Average Speed Arlington (City/Hwy): 20.87 mi/hr 1 mile = 2.875 min \$0.495*2.87 min = \$1.42 per mile + \$1.10 every 10 miles for new trip (Trip = 30 minutes)	Rental length per trip: = 5.5 hours Distance per trip: 36 miles 5.5*\$10.59 = \$58.23 \$58.23/36 = \$1.62 per mile (including tax insurance, and gas)	Distance per trip (One way): 18 miles (\$10.59 /18 = \$0.59 per mile including tax, insurance, and gas)