



NEW YORK CITY TAXI & LIMOUSINE COMMISSION

Hybrid Electric Vehicles

Cost/Benefit Overview

September 8, 2005

Gas Consumption Comparison

2006 Models Unless Otherwise Stated	Ford Crown-Victoria Stretch	Ford Escape/ Mercury Mariner	Toyota Highlander	Toyota Prius 2005	Honda Accord 2005	Honda Civic 2005	Lexus RX 400H
Tank Size	19	16.5	17.2	11.9	17.1	11.9	17.2
Fill Cost ¹	\$56.43	\$49.01	\$51.08	\$35.34	\$50.79	\$35.34	\$51.08
MPG ³	18	36	33	60	29	47	31
Miles Per Tank	342	594	567.6	714	495.9	559.3	533.2
Miles Per Year ²	43,992	43,992	43,992	43,992	43,992	43,992	43,992
Cost Per Year	\$7,258.68	\$3,629.34	\$3,959.28	\$2,177.60	\$4,505.39	\$2,779.92	\$4,214.72
Savings	n/a	\$3,629.34	\$3,299.40	\$5,081.08	\$2,753.29	\$4,478.76	\$3,043.96

¹ Fuel Cost based on AAA report of daily average. (NYC metro area \$2.97)

² Based on owner-driver scenario and yearly average from The New York City Taxicab Fact Book

³ MPG are EPA estimates-actual figures will vary.

Incentives Comparison

2006 Models Unless Otherwise Stated	Ford Crown-Victoria Stretch	Ford Escape/Mercury Mariner	Toyota Highlander	Toyota Prius 2005	Honda Accord 2005	Honda Civic 2005	Lexus RX 400H
Potential State Tax Incentive ¹	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Potential Federal Tax Incentive	\$0	\$2,600	\$1,950	\$3,150	\$650	\$1,700	\$2,200
Total Potential Incentives	\$0	\$2,600	\$1,950	\$3,150	\$650	\$1,700	\$2,200

¹ Current State Tax Incentives have expired. On date of report, no additional bills have been passed.

* Incentives are estimates only.

Hybrid Tax Incentives

Federal Incentives

- * H.R. 1308 Section 319: This is a one-time tax-deduction for clean vehicles from 2003-2006.
- * Comprehensive Energy Bill (CEB): Tax credit ranging from \$250-\$3,400 (depending on fuel economy improvement) from Jan.1, 2006-Dec. 31, 2009. (as long as manufacturer doesn't exceed limit)

State Incentives

- * Current state incentives for new purchases have expired. At time of report, no additional bills have been passed.

Yearly Operational Cost Comparison

2006 Models Unless Otherwise Stated	Ford Crown-Victoria Stretch	Ford Escape/Mercury Mariner	Toyota Highlander	Toyota Prius 2005	Honda Accord 2005	Honda Civic 2005	Lexus RX 400H
MSRP	\$27,570	\$26,900	\$33,030	\$20,975	\$30,140	\$19,900	\$49,060
Actual¹	\$24,219	unknown	unknown	unknown	unknown	unknown	unknown
Maintenance	\$1,535	\$2,175	\$1,786	\$1,268	\$1,683	\$1,504	\$2,039
Insurance	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
Loan payments	\$6,502.80	\$6,344.76	\$7,790.52	\$4,947.24	\$7,108.92	\$4,693.68	\$11,571.48
Gas Cost	\$7,258.68	\$3,629.34	\$3,959.28	\$2,177.60	\$4,505.39	\$2,779.92	\$4,214.72
Yearly Expense Sum Totals²	\$25,296.48	\$22,149.10	\$23,535.80	\$18,392.84	\$23,297.31	\$18,977.60	\$27,825.20

¹ Indicates actual average price owners pay in current market.

² Does not account for medallion ownership/lease costs.

* All figures are only estimates-actual figures will vary.

Maintenance Savings	n/a	-\$640	-\$251	\$267	-\$148	\$31	-\$504
Gas Savings	n/a	\$3,629.34	\$3,299.40	\$5,081.08	\$2,753.29	\$4,478.76	\$3,043.96
Loan Savings	n/a	\$158.04	-\$1,287.72	\$1,555.56	-\$606.12	\$1,809.12	-\$5,068.68
Incentives	\$0.00	\$520.00	\$390.00	\$630.00	\$130.00	\$340.00	\$440.00
Savings	n/a	\$3,667	\$2,151	\$7,534	\$2,129	\$6,659	-(\$2,089)

Data Sources and References

Vehicle Information:

www.toyota.com

www.fordvehicles.com

www.automobiles.honda.com

www.lexus.com

www.mercuryvehicles.com

Tax Incentives:

www.hybridcenter.org

www.hybridCARS.com

www.nystax.gov

www.nyserda.org

NY Tax Department (personal communication, August 10, 2005)

Industry Information/Statistics:

Schaller, Brucer. (2004). *The New York City Taxicab Fact Book*. www.schallerconsult.com/taxi/taxifb.pdf

<http://www.fuelgaugereport.com/NYmetro.asp>



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