

Cost Per Mile Comparison of Tango with Various ICE (Internal Combustion Engine) and Hybrid Cars

Model	Tango	Honda Insight	Toyota Prius	Toyota Echo	Toyota Corolla	Toyota Camry	Subaru Outback	Ford Explorer	Yukon/Suburban	Hummer H2
Maintenance Cost per mile*	\$0.033	\$0.033	\$0.018	\$0.021	\$0.021	\$0.021	\$0.029	\$0.031	\$0.037	\$0.043
Fuel Cost per Mile @ \$1.70 per gallon**	0.009	0.027	0.035	0.041	0.045	0.057	0.068	0.100	0.142	0.117
Total cost per mile	\$0.042	\$0.060	\$0.053	\$0.062	\$0.066	\$0.078	\$0.097	\$0.131	\$0.179	\$0.160
Cost per 100,000 miles	\$4,200	\$6,000	\$5,300	\$6,200	\$6,600	\$7,800	\$9,700	\$13,100	\$17,900	\$16,000

* Includes Battery Replacement for Tango. Maintenance Cost for Gasoline-Powered Cars is Based on Manufacturer's Recommended Service at Dealer Service Facilities in Spokane, Washington.

** Fuel Cost for Tango Figured at \$.05 per kWh as in the Pacific Northwest for the average commuter traveling between 20 and 24 miles between charges.

Cost per Mile Calculations for Tango with 25 Optima YT Batteries; Pack Cost, \$2,500; Electricity Costs, \$.05 - \$.15 per kWh

Average Miles Driven per Charge	8	16	20	24	32	40	48	56	64	80
Percent Depth of Discharge (DOD)	10%	20%	25%	30%	40%	50%	60%	70%	80%	100%
Expected Cycle Life (Charge/Discharge Cycles)										
100% Depth of Discharge (DOD) = 80 miles	4,600	4,250	4,000	3,400	2,100	1,200	600	400	250	200
Battery Life in Miles	36,800	68,000	80,000	81,600	67,200	48,000	28,800	22,400	16,000	16,000
Battery Replacement Cost per mile Calculated as Cost of Pack ÷ Battery Life (\$2,500 ÷ Battery Life in Miles)	\$0.068	\$0.037	\$0.031	\$0.031	\$0.037	\$0.052	\$0.087	\$0.112	\$0.156	\$0.156
Maintenance Cost per Mile	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Total Battery Replacement and Maintenance	\$0.070	\$0.039	\$0.033	\$0.033	\$0.039	\$0.054	\$0.089	\$0.114	\$0.158	\$0.158
Electricity Cost per Mile Figured at 14 kWh for 80 Mile Range to Include Charging Losses										
Electricity Cost per Mile at \$.05 per kWh	\$0.009	\$0.009	\$0.009	\$0.009	\$0.009	\$0.009	\$0.009	\$0.009	\$0.009	\$0.009
Electricity Cost per Mile at \$.10 per kWh	\$0.018	\$0.018	\$0.018	\$0.018	\$0.018	\$0.018	\$0.018	\$0.018	\$0.018	\$0.018
Electricity Cost per Mile at \$.15 per kWh	\$0.027	\$0.027	\$0.027	\$0.027	\$0.027	\$0.027	\$0.027	\$0.027	\$0.027	\$0.027
Total Cost per Mile at \$.05 per kWh	\$0.079	\$0.048	\$0.042	\$0.042	\$0.048	\$0.063	\$0.098	\$0.123	\$0.167	\$0.167
Total Cost per Mile at \$.10 per kWh	\$0.088	\$0.057	\$0.051	\$0.051	\$0.057	\$0.072	\$0.107	\$0.132	\$0.176	\$0.176
Total Cost per Mile at \$.15 per kWh	\$0.097	\$0.066	\$0.060	\$0.060	\$0.066	\$0.081	\$0.116	\$0.141	\$0.185	\$0.185
Total Cost per 100,000 Miles @ \$.05 per kWh	\$7,893	\$4,776	\$4,225	\$4,164	\$4,820	\$6,308	\$9,781	\$12,261	\$16,725	\$16,725
Total Cost per 100,000 Miles @ \$.10 per kWh	\$8,793	\$5,676	\$5,125	\$5,064	\$5,720	\$7,208	\$10,681	\$13,161	\$17,625	\$17,625
Total Cost per 100,000 Miles @ \$.15 per kWh	\$9,693	\$6,576	\$6,025	\$5,964	\$6,620	\$8,108	\$11,581	\$14,061	\$18,525	\$18,525

Shaded Area Represents the Average U.S. Commute. According to the Bureau of Transportation Statistics, the Average Commute was 20 Miles in 1999.