

## 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*	\$0.090	\$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
<b>Total cost per mile</b>	<b>\$0.099</b>	<b>\$0.060</b>	<b>\$0.053</b>	<b>\$0.062</b>	<b>\$0.066</b>	<b>\$0.078</b>	<b>\$0.097</b>	<b>\$0.131</b>	<b>\$0.179</b>	<b>\$0.160</b>
<b>Cost per 100,000 miles</b>	<b>\$9,900</b>	<b>\$6,000</b>	<b>\$5,300</b>	<b>\$6,200</b>	<b>\$6,600</b>	<b>\$7,800</b>	<b>\$9,700</b>	<b>\$13,100</b>	<b>\$17,900</b>	<b>\$16,000</b>

\* 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 traveling 45 miles between charges.

## Cost per Mile Calculations for Tango with 19 Hawker G70EP Batteries; Pack Cost, \$2,375; Electricity Costs, \$.05 - \$.15 per kWh

Average Miles Driven per Charge	8	15	19	22	30	37	45	52	60	75
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	1,750	1,500	1,250	1,250	800	700	600	500	400	300
Battery Life in Miles	14,000	22,500	23,750	27,500	24,000	25,900	27,000	26,000	24,000	22,500
Battery Replacement Cost per mile Calculated as Cost of Pack ÷ Battery Life (\$2,500 ÷ Battery Life in Miles)	0.17	\$0.106	\$0.100	\$0.086	\$0.099	\$0.092	\$0.088	\$0.091	\$0.099	\$0.106
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	\$0.172	\$0.108	\$0.102	\$0.088	\$0.101	\$0.094	\$0.090	\$0.093	\$0.101	\$0.108
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
<b>Total Cost per Mile at \$.05 per kWh</b>	<b>\$0.181</b>	<b>\$0.117</b>	<b>\$0.111</b>	<b>\$0.097</b>	<b>\$0.110</b>	<b>\$0.103</b>	<b>\$0.099</b>	<b>\$0.102</b>	<b>\$0.110</b>	<b>\$0.117</b>
Total Cost per Mile at \$.10 per kWh	\$0.190	\$0.126	\$0.120	\$0.106	\$0.119	\$0.112	\$0.108	\$0.111	\$0.119	\$0.126
Total Cost per Mile at \$.15 per kWh	\$0.199	\$0.135	\$0.129	\$0.115	\$0.128	\$0.121	\$0.117	\$0.120	\$0.128	\$0.135
<b>Total Cost per 100,000 Miles @ \$.05 per kWh</b>	<b>\$18,064</b>	<b>\$11,656</b>	<b>\$11,100</b>	<b>\$9,736</b>	<b>\$10,996</b>	<b>\$10,270</b>	<b>\$9,896</b>	<b>\$10,235</b>	<b>\$10,996</b>	<b>\$11,656</b>
Total Cost per 100,000 Miles @ \$.10 per kWh	\$18,964	\$12,556	\$12,000	\$10,636	\$11,896	\$11,170	\$10,796	\$11,135	\$11,896	\$12,556
Total Cost per 100,000 Miles @ \$.15 per kWh	\$19,864	\$13,456	\$12,900	\$11,536	\$12,796	\$12,070	\$11,696	\$12,035	\$12,796	\$13,456

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