

Green House Gas Emissions



Standard Gasoline Vehicle

	Emissions
23 MPG gasoline vehicle	465 g / mile

Electricity Sources for charging the EV	Emissions
Renewables	7 g / mile
Current U.S. Mix	216 g / mile*
100% Coal Fired Power Plants	300 g / mile

* Emissions from an electric vehicle charging off the 'Current U.S. Mix' are equivalent to a 50 MPG gasoline vehicle.

Source: Energy Information Administration. "Annual Energy Review." 2005

Cost / Year Calculations

Gas Car Example

	250	miles
÷	22	MPG
	11.4	gallons per week
X	\$4.095	Cost per gallon*
	\$46.68	Cost / week
	\$2,427.36	Cost / year

* Source: Energy Information Administration. July 2008

Electric Car Example No. 1: (residential electric rates)*

	250	miles
÷	4	miles / kilowatt hour
	62.5	kilowatt hour
X	\$0.107	residential rate / kWh
	\$6.69	Cost / week
	\$347.75	Cost / year

Electric Car Example No. 2: (overnight recharging rates)

	250	miles
÷	4	miles / kilowatt hour
	62.5	kilowatt hours
X	\$0.045	overnight rate / kWh
	\$2.81	Cost / week
	\$146.25	Cost / year

* Source: Edison Electric Institute. "Average Rates Report." Winter 2007