

Vehicle

Comparison Chart



Biodiesel Volkswagens		Green Car Score			User Average	\$ / mile	Based on 15k miles / year and average repair costs		CO2 Mitigation Cost	
Vehicle	Fuel Type	Commuter	Average	Carpooler	MPG	Fuel Cost	\$ Purchase	Total 5 year	Manuf.	Annual
VW Golf TDI (M)	Biodiesel	52	65	81	43	\$0.08	\$16,000.00	\$24,238.37	\$339.42	\$36.09
VW Beetle TDI (M)	Biodiesel	52	65	80	43	\$0.08	\$12,000.00	\$20,238.37	\$350.50	\$36.09
VW Jetta TDI (M)	Biodiesel	51	64	80	42	\$0.08	\$15,000.00	\$23,375.00	\$356.10	\$36.95
VW Jetta Wagon TDI (M)	Biodiesel	48	62	79	40	\$0.08	\$19,000.00	\$27,668.75	\$370.33	\$38.80

Volkswagen makes one of the cleanest burning and most efficient diesel engines available. It's line of TDI cars running on biodiesel top the charts of green cars.



5-Seater Automatic Sedans		Green Car Score			User Average	\$ / mile	Based on 15k miles / year and average repair costs		CO2 Mitigation Cost	
Vehicle	Fuel Type	Commuter	Average	Carpooler	MPG	Fuel Cost	\$ Purchase	Total 5 year	Manuf.	Annual
Hyundai XG-350	Gasoline	-120	-42	32	21	\$0.11	\$16,000.00	\$29,393.69	\$425.85	\$344.08
Toyota Corrola	Gasoline	-22	14	58	35	\$0.07	\$14,000.00	\$20,535.71	\$302.68	\$206.48
Mercedecs 300D	Biodiesel	21	43	70	25	\$0.13	\$8,000.00	\$23,870.00	\$411.15	\$62.07
VW Jetta TDI	Biodiesel	48	62	79	40	\$0.08	\$15,000.00	\$23,668.75	\$369.75	\$38.80

Look at the environmental and economic impacts between a standard and the green sedans.



7-Seater Family/Utility Vehicles		Green Car Score			User Average	\$ / mile	Based on 15k miles / year and average repair costs		CO2 Mitigation Cost	
Vehicle	Fuel Type	Commuter	Average	Carpooler	MPG	Fuel Cost	\$ Purchase	Total 5 year	Manuf.	Annual
Dodge Durango	Gasoline	-225	-119	36	13	\$0.18	\$23,000.00	\$42,557.69	\$598.36	\$555.76
Volvo V70 XC	Gasoline	-86	-26	62	23	\$0.10	\$19,000.00	\$31,663.04	\$431.45	\$314.17
Hybrid Toyota Highlander	Gasoline	-82	-24	60	24	\$0.10	\$33,000.00	\$44,343.75	\$477.03	\$301.08
Diesel Suburban	Biodiesel	-9	24	72	18	\$0.18	\$15,000.00	\$34,708.33	\$562.20	\$86.20

Look at the environmental and economic impacts between a standard and three green seven seat family utility vehicles.



The Difference is in The Fuel		Green Car Score			User Average	\$ / mile	Based on 15k miles / year and average repair costs		CO2 Mitigation Cost	
Vehicle	Fuel Type	Commuter	Average	Carpooler	MPG	Fuel Cost	\$ Purchase	Total 5 year	Manuf.	Annual
Dodge Ram 2500	Gasoline	-203	-109	25	14	\$0.17	\$18,000.00	\$34,589.29	\$624.25	\$516.07
Dodge Ram 2500 TD	Diesel	-139	-69	17	20	\$0.13	\$18,000.00	\$31,375.00	\$659.94	\$387.91
Dodge Ram 2500 TD	Biodiesel	-2	26	59	20	\$0.16	\$23,000.00	\$34,337.50	\$659.94	\$77.58
Dodge Ram 2500 TD	WVO	28	47	70	20	\$0.04	\$21,000.00	\$27,625.00	\$659.94	\$77.57

The type of fuel and the engine it is burned in has a major effect on the environmental impacts you create by driving. Note the cost of driving a Biodiesel truck compared to the less efficient gasoline truck.

Biodiesel is Greener than a Gas Hybrid		Green Car Score			User Average	\$ / mile	Based on 15k miles / year and average repair costs		CO2 Mitigation Cost	
Vehicle	Fuel Type	Commuter	Average	Carpooler	MPG	Fuel Cost	\$ Purchase	Total 5 year	Manuf.	Annual
Hybrid Toyota Prius	Gasoline	2	30	64	46	\$0.05	\$25,000.00	\$31,331.52	\$339.40	\$157.13
VW Golf TDI	Biodiesel	52	115	81	43	\$0.08	\$16,000.00	\$24,238.37	\$339.42	\$36.09

A biodiesel vehicle produces significantly less environmental damage than a similar size gasoline hybrid.

Smaller is Better		Green Car Score			User Average	\$ / mile	Based on 15k miles / year and average repair costs		CO2 Mitigation Cost	
Vehicle	Fuel Type	Commuter	Average	Carpooler	MPG	Fuel Cost	\$ Purchase	Total 5 year	Manuf.	Annual
Hummer	Gasoline	-322	-195	-41	10	\$0.24	\$42,000.00	\$69,625.00	\$746.49	\$722.46
Smart Car	Gasoline	15	31	50	50	\$0.05	\$26,000.00	\$32,025.00	\$185.22	\$144.57

The size and weight of a vehicle creates a significant difference in your vehicles environmental impact and driving costs.

Hybrid SUV is not a Green Car		Green Car Score			User Average	\$ / mile	Based on 15k miles / year and average repair costs		CO2 Mitigation Cost	
Vehicle	Fuel Type	Commuter	Average	Carpooler	MPG	Fuel Cost	\$ Purchase	Total 5 year	Manuf.	Annual
Hybrid Toyota Highlander	Gasoline	-82	-24	60	24	\$0.10	\$25,000.00	\$44,343.75	\$477.03	\$301.08
Toyota Corrola	Gasoline	-22	14	58	35	\$0.07	\$14,000.00	\$20,535.71	\$302.68	\$206.48

A Hybrid SUV is not a Green Car. Hybrid SUV's perform well for their class but for most drivers they are not very green at all.

Washington Electric Car vs National		Green Car Score			User Average	\$ / mile	Based on 15k miles / year and average repair costs		CO2 Mitigation Cost	
Vehicle	Fuel Type	Commuter	Average	Carpooler	Mile / Kwh	Fuel Cost	\$ Purchase	Total 5 year	Manuf.	Annual
Zap Electric Zebra	Electric (WA)	76	80	85	4	\$0.02	\$10,000.00	\$12,000.00	\$181.96	\$10.27
Zap Electric Zebra	Electric (U.S.)	12	35	63	4	\$0.03	\$10,000.00	\$12,000.00	\$181.96	\$95.09

There are very low environmental and economic costs associated with driving a light weight city electric car in Washington. These impacts do change depending on where the car is driven. In Washington 82% of our electricity comes from hydroelectric dams. In the U.S. 50% of our electricity comes from coal power plants.



Energy Prices

	\$ / gallon
Waste Vegetable Oil	\$0.70
Biodiesel	\$3.29
Diesel	\$2.50
Gasoline	\$2.35