2003 Tour de Sol Championship Results & Awards

Vehicle Categories and Awards	Vehicle #	and name	Team	City	State	Vehicle Description	TTL Score	Reliability 100 pts max	Handling Secs.	Accel secs	Range miles	Fuel Eff MPGe*	GHG* CO2/mile
PRODUCTION DIVISION													
Alternative Fuel & Hybrid Vehicle Category													
1st Place AFV & HEV	70	Toyota Prius	S&S Autosports	Tulsa	OK	('01 Toyota Prius: Hybrid: Gas-electric)	**752**	100	38.2	9.5	315	53	**207***
	33	CC Probester	Concord Consortium	Grafton	MA	('03 Civic Hybrid: Hybrid: Gas-electric)	**568**	100	**34.4***	10.2	38	49	223
Battery Electric Vehicle Category (BEV)													
1st Place BEV	36	Heibao	EnviroMotive and Team Sino-Canada	Whitby	ON	(02' Heibao: PbA Lantian High-Tech Power)	**505**	32	38.5	16.5	33	76	235
PROTOTYPE DIVISION													
Alternative Fuel & Hybrid Vehicle Category (AFV&HEV)													
1st Place AFV & HEV	47	Kyoto Codex	Jonathan Bartlett	Sterling	MA	('96 VW Passat: 100% Biodiesel in a diesel vehicle)	**812**	100	37.3	8.9	249	83	**33***
2nd Place AFV & HEV	32	Veggie Golf	NFA Technologies	Randolph	VT	(VW Golf: Veggie oil in diesel vehicle)	**784**	100	37.7	9.1	235	71	39
3rd Place AFV & HEV	23	Viking 23	Western Washington University	Bellingham	WA	(Purpose Built: Hybrid: 100% Biodiesel + Saft NiCad)	**776**	100	35.6	10.7	266	55	56
	52	Eskimobile	University of Waterloo Alternative Fuels T	Waterloo	ON	('97 Chevy Malibu: Ethanol mix -E85)	**715**	100	36	10.2	**320***	33	233
	22	Hybrid Hippo	West Philadelphia High School	Philadelphia	PA	(Purpose-built: Hybrid: 100% Biodiesel + PbA)	**690**	100	36.7	14.2	266	40	86
	700	Veginator	Trenton Central High School	Trenton	NJ	('85 VW Golf: 100% Home-made biodiesel in a diesel vehicle	**634**	100	45.6	10.9	310	37	74
	35	Al C. O'holic	University of Waterloo Alternative Fuels T	Waterloo	ON	('99 Chevy Silverado: Tri-fuel: Propane, E85, gasoline)	**631**	100	38.8	**7.9***	**320***	20	463
	49	Buck Hybrid	Ohio State University Future Truck	Columbus	OH	('02 Ford Explorer: Hybrid: 35% Biodiesel + PbA)	**578**	100	36.2	12	169	29	278
	17	Proxima	University of Tulsa	Tulsa	OK	('03 Purpose-built: Hybrid: Gasoline + Hawker, PbA)	**554**	99	38.9	14.2	188	31	356
	18	Kineticar III	Kineticar	Thomaston	CT	('89 Chevy S-10 pick-up: Hybrid: Propane + PbA)	**473**	23	0	13.8	254	36	272
Battery Electric Vehicle Category (BEV)													
1st Place BEV with Lead Acid Batteries	38	Electro	Union-Endicott High School	Endicott	NY	('94 Geo Metro: Exide & GNB, PbA)	**724**	98	47	10.8	69	**202***	**89***
2nd Place BEV with Lead Acid Batteries	27	Patriot	Miramar High School	Pembroke Pines	FL	('93 Ford Probe GT: PbA)	**653**	98	35	10.7	**99***	96	186
3rd Place BEV with Lead Acid Batteries	42	Fire Fly	Jackson County High School	Jefferson	GA	('83 Ford Ranger pick-up: PbA)	**631**	100	38	11.2	50	83	216
	16	The Olympian	Cinnaminson High School	Cinnaminson	NJ	('86 Ford Escort: GNB, PbA)	**599**	99	46.3	11.2	89	76	236
1st Place BEV with Advanced Batteries	75	SEVRX	Clarkson University Solar Knights	Potsdam	NY	('86 Honda CRX: Advanced batteries)	**404**	0	0	13.3	10	127	142
	53	REVolutionride.org	North Haven Community School	North Haven	ME	('86 VW Van: Trojan PbA	**242**	18	47.5	14.3	0	31	571
	45	The Lorax	Methacton High School	Jeffersonville	PA	('00 Purpose-built: PbA)	**24**	11	na	0	0	0	0
Solar Electric Vehicle Category													
1st Place One-person Solar	92	SunPacer	Cato Meridian High School	Cato	NY	(Purpose-built, one-person commuter: Ovonic NMH)	**772**	99	na	13.6	72	**214***	81
	9	Zodiac	West Irondequoit High School	Rochester	NY	(Purpose-built, one-person commuter: Trojan, PbA)	**762**	84	na	15.8	67	163	102
1st Place One-person Solar	20	Solar Black Bear	University of Maine	Orono	ME	(Chevy S-10 pick-up: PbA)	**771**	79	43.3	10.9	55	57	284
	56	Woodstock	St Mark's School	Southborough	MA	('94 Ford Ranger: Trojan, PbA)	**695**	89	45.3	13.1	57	150	120
DEMONSTRATION VEHICLES													
		Allison HEV Bus	Allison Transmission	Indianpolis	IN	(Allison hybrid electric drive system in Orion VII bus)							
		Hy-wire	General Motors	Warren	MI	Concept hydrogen fuel cell and by-wire vehicle							
		GEM	DaimlerChrysler	Auburn Hills	MI	('02 GEM: Electric neighborhood vehicle)							
	8	eGO XR	Modular Energy Devices	Charlestown	RI	('02 eGo XR Bicycle: Modular Energy Devices, LiIon)					55		
	10	Electric Blue	Woodbury High School/EcoLiving	Woodbury	NJ	('81 Ford Elvan: PbA)							
	12	Electric Hog	Vogelbilt Corp.	Corlandt Manor	NY	('02 Motorcycle prototype: Hybrid: Biodiesel + LiIon)							
	19	Maya-100	Electrovaya	Mississauga	ON	(02' Tracker: Electrovaya, LiIon)							
	14	SwiftR	Swarthmore College	Swarthmore	PA	('01 Suzuki Swift: Hybrid: Gasoline +Energizer PbA)							

*** NOTES**

Bold and * = top placing vehicle for the event listed at the top

MPGe = energy used as eppressed in miles per gollon of gasoline equivalent (the higher the number the better)

GHG = Green Houes Gas emissions: grams of Carbon Dioxide emitted per mile of operation (the lower the number the better)

Acceleration = number of seconds it took to drive 1/8th of a mile

Other Prizes:

1st place Renewability Prize: #56, Woodstock - a BEV using renewably produced electricity

Most Solar Miles Driven in One Day: #20 Solar Black Bear, University of Maine