

PRELIMINARY RESULTS - Based Residential Electrical Rate

Revision: 7-21-16 8am

AMA Vintage Days	2016: July 10th 130 Mile Vetter Mid Ohio Challenge
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Ohio State Road Tax Per Gallon	\$0.28
This Challenge Electrical Rate (\$/kWh):	0.12

Local Fuel Prices on Day of Event:
Residential Electric Rate = \$.1152 / kWh (Rounded up to \$.12 to match previous years)
Regular Gasoline = \$2.059 / Gallon
Premium Gasoline = \$2.759 / Gallon

Electric Road Tax based on what best Gas bike paid	\$0.20
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MPGe Conversion Factor: 1 Gallon Gas =33,700 Wh

Ranking	Name	Motorcycle	Total Miles	Fuel Type	Can Carry 4 bags of Groceries	Amount	Units	Unit Cost	Road Tax	Total Cost	Wh/ mile	MPGe	MPG	Cost Per Mile \$	
1	Vic Valdes	1999 Kawasaki 250 Ninja	136.4	Gasoline	Yes	0.73	gallon	\$2.0590		\$1.50			187	0.0110	Overall Winner
2	Kraig Schultz	Schultz Engineering D-11 8kWh battery	129.7	Electric	Yes	11.92	kWh	\$0.1200	\$0.20	\$1.63	92	367		0.0126	Electric Winner
3	Alan Smith	2005 Kawasaki Ninja 250	136.4	Gasoline	Yes	0.862	gallon	\$2.0590		\$1.77			158	0.0130	
4	Jacob Dennis	2014 Zero S with 11kWh battery	129.7	Electric	Yes	12.58	kWh	\$0.1200	\$0.20	\$1.71	97	347		0.0132	
5	Scott Endler	2011 Honda CBR 250R with Tail	129.7	Gasoline	Yes	0.903	gallon	\$2.0590		\$1.86			144	0.0143	
6	Richard Goff	2012 Zero DS with 9kWh battery	129.7	Electric	Yes	14.26	kWh	\$0.1200	\$0.20	\$1.92	110	307		0.0148	
7	Nate Miller	2012 Honda CBR 250R	129.7	Gasoline	No	1.288	gallon	\$2.0590		\$2.65			101	0.0204	
8	Paul Wright	2011 Honda CBR 250R	136.4	Gasoline	No	1.499	gallon	\$2.0590		\$3.09			91	0.0226	
9	Finnie Wagaman	2006 CF Moto Fashion (helix clone)	129.7	Prem. Gas	Yes	1.404	gallon	\$2.7590		\$3.87			92	0.0299	
10	Eric Ziebarth	2011 Yamaha FJR 1300	136.4	Gasoline	No	2.813	gallon	\$2.0590		\$5.79			48	0.0425	
11	Terry Wildman	2008 Harley Davidson Electraglide Ultra	136.4	Prem. Gas	No	2.785	gallon	\$2.7590		\$7.68			49	0.0563	
Disqualified -Did Not Finish (DNF) with the group															
12	ZEV - Darus Sr	2011 LRC with 10kWh battery	138	Electric	No	Fell behind group, Low PF on Kill-A-Watt Meter, Estimated Wh/Mile = 75-95 Wh/Mile									
13	ZEV - Bryan	2016 LRC with 10kWh battery	100	Electric	No	Did not finish, stopped after Centerburg Park on Way back, state of charge at 60%									
14	Ned Funnell	Native GPR-S, w/Nissan 5.5 kWh pack	62	Electric	No	Stopped at Musuem, Estimated 109 Wh/Mile from the wall based on Cycle Analyst									

Total Miles Note: On the return trip, the group was separated and Alan's group traveled 6 miles out of the way before rejoining the main group.

verified/
corrected

Odometer Readings	Group Kraig	Group Alan
Kraig/Alan	128.2	138.6
Richard/Vic	130.2	138.6
Finnie/Paul	132.4	138
Scott/Terry W.	128	131.4
/Eric		135.3
Group Average Distance	129.7	136.4

Electricity Rates from:

www.Electricitylocal.com

Residential / Commercial Rates:

Centerburg Park, Centerburg, Ohio:: 11.76 / 9.47 cents /kWh
AMA Museum - Pickerington, Ohio: 11.52 / 10.94 cents /kWh
Shell station - Bellville, Ohio 11.3 / 6.74 cents /kWh
Or, an average of 11.52 / 9.05 cents /kWh

**Vetter Challenge
Mid-Ohio Energy Rates by Year**

Fuel Type / Year	2011	2012	2013	2014	2015	2016	
Gasoline (Reg) \$/Gal	2.47	3.57	3.64	3.36	2.80	2.06	
Gasoline (Prem) \$/Gal				3.80	3.25	2.76	
Diesel \$/Gal	2.68-3.23	3.42-3.46	3.79	3.80	3.40	2.35	
Electricity \$/kWh	0.12	0.12		0.12	0.12	0.12	