

Column Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Column Calculations	Car Data				Energy Usage				Charge Session								
	SoC				Calculated		Trip Screen*	Charger	SoC Change	kWh		Charger Reported	Percent Delta		Charge Time	Charge Cost	\$/kWh
	Odometer	Distance	Arrival	Departure	% Usage	kWh Usage	mi/kWh			mi/kWh	Calculated		Charger vs Calc.	Charger vs Calc.			
				[4]-[3]	88x[5]	[2]/[6]			88x[10]	Charger vs Calc.	Charger vs Calc.						[16]/[12]
Home	733.5	-	-	97%													
Sheetz (Bedford, PA)	955.8	222.3	13%	81%	84%	73.92	3.01	3.9	EA	68%	59.84	63	5.3%	45	Free 250 kWh	-	
Walmart (Cambridge, OH)	1149.2	193.4	17%	42%	64%	56.32	3.43	-	EA	25%	22	22	0.0%	12	Free 250 kWh	-	
Hyatt (Columbus, OH)	1238.3	89.1	11%	49%	31%	27.28	3.27	-	Hotel-L2	38%	33.44	-	-	355	Free	-	
Zoo (Columbus, OH)	1263.6	25.3	41%	67%	8%	7.04	3.59	-	CP-L2	26%	22.88	26.07	13.9%	238	Free	-	
Walmart (Dayton, OH)	1354.7	91.1	36%	51%	31%	27.28	3.34	-	EA	15%	13.2	13	-1.5%	23	Free 250 kWh	-	
Walmart (Indianapolis, IN)	1468.6	113.9	10%	82%	41%	36.08	3.16	-	EA	72%	63.36	68	7.3%	57	Free 250 kWh	-	
Firefly Grill (Effingham, IL)	1612	143.4	30%	49%	52%	45.76	3.13	-	EA	19%	16.72	-	-	9	Free (Error)	-	
St. Louis, MO	1725.8	113.8	6%	-	43%	37.84	3.01	-									
		992.3			354%	311.52	3.19										
St. Louis, MO	1949.5	-	-	99%													
Zoo (St. Louis, MO)	1980.2	30.7	91%	95%	8%	7.04	4.36	Missed	Zoo-L2	4%	3.52	-	-	67	Free	-	
Walmart (Indianapolis, IN)	2227.4	247.2	9%	82%	86%	75.68	3.27	Missed	EA	73%	64.24	67	4.3%	59	Free 250 kWh	-	
Walmart (Columbus, OH)	2392	164.6	27%	37%	55%	48.4	3.40	3.3	EA	10%	8.8	8	-9.1%	5	Free 250 kWh	-	
Fairfield Inn (Cambridge, OH)	2479.5	87.5	7%	7%	30%	26.4	3.31	3.3	-	-	-	-	-	-	-	-	
Walmart (Cambridge, OH)	2480.6	1.1	7%	75%	0%	No Calc.	-	4.8	EA	68%	59.84	63	5.3%	47	\$/kW \$ 20.95	\$ 0.33	
Sheetz (Belle Vernon, PA)	2590.6	110	38%	80%	37%	32.56	3.38	3.3	EA	42%	36.96	39	5.5%	23	Free (Error)	Free (Error)	
Sheetz (Carlisle, PA)	2757.2	166.6	21%	76%	59%	51.92	3.21	3.1	EA	55%	48.4	51	5.4%	31	\$/Min \$ 7.44	\$ 0.15	
Home	2913	155.8	16%	-	60%	52.8	2.95	3.0									
		963.5			327%	294.8	3.28										

\* Prior to departure 'Trip 1' was reset with the intent of using this to track the road trip. After leg 1 with a stop in Bedford, PA it was noted that the mi/kWh reported on 'Trip 1' matched 'Trip 2' which had been tracking the lifetime vehicle usage (never reset). Trip screens were abandoned after leg 1 since the data was clearly inaccurate. On the return trip I decided to use the 'This Trip' screen and tried to be diligent about capturing data/pictures after each leg prior to turning off the vehicle.

Trip Costs

		\$/mi
Trip Cost (Actual): Includes \$4 Pass+ Membersip	\$ 32.39	\$ 0.017
Trip Cost (If Charged for all Sessions) - Assumes \$0.33/kWh for free EA sessions	\$ 124.79	\$ 0.064
Trip Cost for Theoretical 27 MPG Highlander Hybrid at \$3/gallon	\$ 217.31	\$ 0.111