

PIP MPGe and Energy Costs														
Independent Variables														
Notes														
Inputs are highlighted in bold type														
Charging Loss: from wall to car 15%														
MPGe Conversion Factor: kWh per gallon 23.7														
Cost per kWh: \$0.12 commodity, plus \$0.06 delivery \$0.18														
Date	Fuel Type	Miles Driven	% Gas vs. Elec	Gas Usage		kWh HSM	kWh Charge	Electric Usage		Equiv Gas	MPGe	Combined MPGe	Cost per Mile	
				Gallons	MPG			MPkWh					% City	Fuelly Data Notes
Total/Avg	Gas	4,267	72%	76.6	55.7									
Total/Avg	Electric	1,632	28%			411	473	3.5	14.0	116.4				
Total/Avg	Total	5,899	100%									65.1	\$253.53	\$0.059
													\$85.08	\$0.052
													\$338.61	\$0.057
9/13/12	Beginning Mileage	40												Delivery date and mileage
11/8/12	Gas	534	65%	8.5	63.2									
11/8/12	Electric	286	35%			74	85	3.4	2.5	113.3				Gas: 534 miles, \$28.72, 8.45 gal, 63.2 mpg, \$0.054/mile
11/8/12	Total	820	100%									74.7	\$15.32	\$0.054
													\$44.04	\$0.054
12/4/12	Gas	570	78%	9.9	57.4									90% Combined: 820 miles, \$44.04, 75 MPGe, \$0.054/mile
12/4/12	Electric	158	22%			47	54	2.9	1.6	98.5				Gas: 570 miles, \$32.77, 9.93 gal, 57.4 mpg, \$0.057/mile
12/4/12	Total	728	100%									63.1	\$9.73	\$0.062
													\$42.50	\$0.058
12/26/12	Gas	511	80%	9.4	54.5									70% Combined: 728 miles, \$42.50, 63 MPGe, \$0.058/mile
12/26/12	Electric	131	20%			38	44	3.0	1.3	101.0				Gas: 511 miles, \$30.00, 9.38 gal, 54.5 mpg, \$0.059/mile
12/26/12	Total	642	100%									60.1	\$7.87	\$0.060
													\$37.87	\$0.059
2/2/13	Gas	508	70%	9.4	53.8									70% Combined: 642 miles, \$37.87, 60 MPGe, \$0.059/mile
2/2/13	Electric	220	30%			60	69	3.2	2.0	107.4				Gas: 508 miles, \$32.45, 9.44 gal, 53.8 mpg, \$0.064/mile
2/2/13	Total	728	100%									63.4	\$12.42	\$0.056
													\$44.87	\$0.062
3/15/13	Gas	541	73%	10.1	53.6									70% Electric: 220 miles, \$12.42, 69 kWh, 3.2 miles/kWh, 107 MPGe, \$0.056/mile
3/15/13	Electric	201	27%			49	56	3.6	1.7	120.2				Combined: 728 miles, \$44.87, 63 MPGe, \$0.062/mile
3/15/13	Total	742	100%									63.0	\$10.14	\$0.063
													\$10.14	\$0.050
													\$44.14	\$0.059
4/7/13	Gas	491	69%	9.4	52.2									90% Combined: 742 miles, \$44.14, 63 MPGe, \$0.059/mile
4/7/13	Electric	222	31%			53	61	3.6	1.8	122.7				Gas: 491 miles, \$30.67, 9.4 gal, 52.2 mpg, \$0.062/mile
4/7/13	Total	713	100%									63.6	\$10.97	\$0.049
													\$41.64	\$0.058
4/21/13	Gas	534	84%	9.3	57.6									90% Combined: 713 miles, \$41.64, 64 MPGe, \$0.058/mile
4/21/13	Electric	104	16%			23	26	3.9	0.8	132.5				Gas: 534 miles, \$29.10, 9.3 gal, 57.6 mpg, \$0.054/mile
4/21/13	Total	638	100%									63.5	\$4.76	\$0.046
													\$33.86	\$0.053
5/18/13	Gas	578	65%	10.6	54.6									50% Combined: 638 miles, \$33.86, 63 MPGe, \$0.053/mile
5/18/13	Electric	310	35%			67	77	4.0	2.3	135.6				Gas: 578 miles, \$35.82, 10.6 gal, 54.6 mpg, \$0.062/mile
5/18/13	Total	888	100%									69.0	\$13.87	\$0.045
													\$49.69	\$0.056
														90% Combined: 888 miles, \$49.69, 69 MPGe, \$0.056/mile