

**Efficiency Data on 2020 hybrid versus 2018 gasoline cruisers,  
observed from the beginning of July to the end of November 2020.**

July to November 2020 - Hybrid vs. Gasoline Police Cruiser Comparison								
Unit ID	Value	Gallons	Pump Price	Total Fuel Cost	Actual Net Cost (Less Taxes)	Distance Driven	Fuel Economy	Cost Per Mile
HPD # 3	TOTAL	1043.01			\$2,191.83	13,146.00		
2018 Ford Explorer GAS	AVERAGE	7.96	\$2.27	\$18.19	\$16.73	100.35	12.73	\$0.183
HPD # 8	TOTAL	653.68			\$1,261.08	6,844.00		
2018 Ford Explorer GAS	AVERAGE	6.81	\$2.11	\$14.38	\$13.14	71.29	10.42	\$0.216
<b>2018 Ford Explorer GAS</b>	<b>TOTAL</b>	<b>1696.70</b>			<b>\$3,452.91</b>	<b>19,990.00</b>		
	<b>AVERAGE</b>	<b>7.39</b>	<b>\$2.19</b>				<b>11.58</b>	<b>\$0.199</b>
HPD # 5	TOTAL	444.80			\$863.27	9,468.00		
2020 Ford Explorer HYBRID	AVERAGE	6.18	\$2.12	\$13.12	\$11.99	131.50	21.26	\$0.101
HPD # 9	TOTAL	591.87			\$1,149.49	9,949.00		
2020 Ford Explorer HYBRID	AVERAGE	9.25	\$2.13	\$19.65	\$17.96	155.45	16.82	\$0.130
HPD # 10	TOTAL	384.64			\$743.82	6,980.00		
2020 Ford Explorer HYBRID	AVERAGE	8.18	\$2.12	\$17.32	\$15.83	148.51	18.02	\$0.120
<b>2020 Ford Explorer HYBRID</b>	<b>TOTAL</b>	<b>1421.31</b>			<b>\$2,756.58</b>	<b>26,397.00</b>		
	<b>AVERAGE</b>	<b>7.87</b>	<b>\$2.12</b>				<b>18.70</b>	<b>\$0.117</b>

Hybrid MPG Advantage	7.12 MPG
Fuel Cost Average	\$2.15
Hybrid Engine Option	\$3,329

Type	Fuel Cost	MPG	Total Mileage	Gallons Used	Fuel Cost
Gas	\$2.15	11.58	100000.00	8635.58	\$18,566.49
Hybrid	\$2.15	18.70	100000.00	5347.59	\$11,497.33

<b>Hybrid Fuel Cost Savings over 100K Miles:</b>	<b>\$7,069.17</b>
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**In 2020, the hybrid engine option was priced at \$3329. The hybrid engine averaged 7.12 MPG over the standard gasoline engine offered. With gasoline priced at an average of \$2.15 per gallon over these past five months, the break-even in fuel savings over the increased engine cost is realized at just under 50,000 miles. Using that same average fuel cost, savings over the estimated life of the cruiser (100,000 miles) is just over \$7000 or double the initial cost of the hybrid engine.**