

Total Returns, Yields, Standard Deviation and Sharpe Ratio

	2007	2008	2009	2010	2011	2012	Current Yield	Alpha ¹	Beta ²	Standard Deviation ³	Sharpe Ratio ⁴
PV Solar						8.1%	8.10%	5.00	1.20	0.70	2.50
<u>Traditional Investments</u>											
S&P 500	5.5%	-37.0%	26.5%	15.1%	2.1%	13.3%	2.05%	0.00	1.00	13.31	1.00
Value ETF - Vanguard	0.2%	-36.0%	19.5%	14.5%	1.2%	15.2%	2.04%	-0.04	0.99	13.45	1.26
High Dividend Yield ETF - Vanguard	1.8%	-32.3%	17.7%	14.4%	10.7%	12.8%	3.05%	5.22	0.77	10.76	1.71
<u>Other Alternative Investments</u>											
Energy MLP - Enterprise Products Partners	27.0%	-28.6%	62.0%	39.8%	17.2%	13.4%	4.60%	1.29	1.52	7.59	1.34
REITS (Vanguard)	-16.4%	-37.1%	30.2%	28.4%	8.6%	17.7%	3.92%	5.80	0.88	16.74	1.08
<u>Intermediate Term Bonds</u>											
High Yield Corporate (Vanguard)	2.4%	-21.3%	39.1%	12.4%	7.1%	14.4%	5.00%	7.63	0.57	6.24	1.54
Intermediate Term Inv. Grade (Vanguard)	6.1%	-6.2%	17.7%	10.5%	7.5%	9.1%	2.78%	1.17	1.22	4.09	1.22
Intermediate Term Treasury (Vanguard)	10.0%	13.3%	-1.7%	7.4%	9.8%	2.7%	1.32%	-1.21	1.20	5.22	0.92

Notes

- 1) Yahoo Finance 3-Year Standard Deviation is the source for Alpha, Beta Standard Deviation and Sharpe ratios
- 2) Some trade estimates were used for the energy MLP
- 2) PV statistics are JJR Power estimates

Footnotes

1. Alpha is the return of an asset accounting for the risk taken
2. Beta is a number describing the correlated volatility of an asset to the benchmark asset
3. Standard Deviation is the variance or dispersion of prices over an average or mean
4. Sharpe Ratio is the expected return of the asset less the benchmark return divided by the standard deviation of those returns