

# THE CUSHING® MLP HIGH INCOME INDEX

## MLPY (PRICE) / MLPYTR (TOTAL RETURN)



### Overview

The Cushing® MLP High Income Index provides a benchmark that is designed to track the performance of higher yielding publicly traded master limited partnerships (MLPs) and non-MLP energy midstream corporations (collectively, "Midstream Companies"). The Index is comprised of 30 Midstream Company constituent securities and utilizes a three tiered weighting system for selecting constituent securities based upon current indicative yields. The Index price level is calculated by S&P® Dow Jones Indices and disseminated under the ticker symbol MLPY. The corresponding Index total return level is calculated on an end-of-day basis and is disseminated daily under the ticker symbol MLPYTR.

### Why own the Midstream Company sector?

- **Essential Infrastructure:** Midstream Companies build and operate energy infrastructure, including pipelines and storage facilities, vital to the U.S. economy
- **Income + Growth:** With a substantial portion of cash flows generally paid out, Midstream Companies have offered robust yields with growth potential
- **Growing Asset Class with Superior Long Term Returns:** Midstream Companies have historically outperformed other energy equities as well as other yield oriented investments
- **Inflation Protection:** Stable and growing distributions could provide an effective inflation hedge
- **Tax Efficiency:** MLP distributions have historically been largely treated as return of capital

### Advantages of the Cushing® MLP High Income Index

- Designed to identify those income-generating North American energy infrastructure companies with a higher yield on a relative basis
- Tiered constituent security weighting system aims to maximize yield while adhering to preset liquidity and market capitalization criteria
- Combination of tiered constituent security weighting and quarterly rebalancing is designed to target incremental yield without excessive risk
- Allows exposure to exploration and production and shipping MLPs that could benefit from stronger commodity prices and an improving global economy

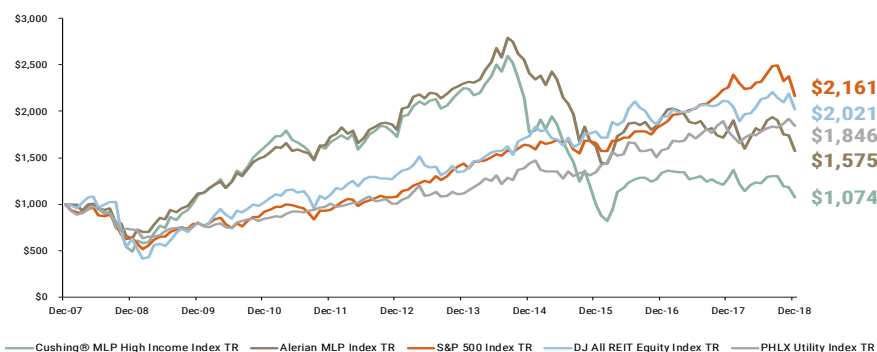
### Monthly Summary of Index Performance (as of December 31, 2018)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	YTD
<b>2018</b>	7.77%	(11.22%)	(6.70%)	6.60%	2.16%	(0.91%)	5.74%	0.52%	(0.20%)	(8.11%)	(1.26%)	(9.01%)	<b>(15.63%)</b>
<b>2017</b>	1.83%	(0.57%)	(0.85%)	0.42%	(5.72%)	0.87%	1.32%	(4.17%)	2.04%	(2.83%)	(1.90%)	5.19%	<b>(4.75%)</b>
<b>2016</b>	(11.56%)	(6.38%)	14.24%	20.13%	4.22%	4.85%	2.82%	1.50%	(0.03%)	(3.44%)	1.94%	5.42%	<b>34.42%</b>
<b>2015</b>	0.65%	6.47%	(5.13%)	7.50%	(4.36%)	(9.94%)	(7.17%)	(6.43%)	(14.37%)	9.49%	(11.79%)	(17.36%)	<b>(44.11%)</b>
<b>2014</b>	(0.12%)	(2.99%)	1.14%	4.21%	3.62%	5.30%	(2.94%)	6.99%	(3.02%)	(6.40%)	(8.79%)	(17.31%)	<b>(20.79%)</b>
<b>2013</b>	12.80%	0.86%	4.72%	2.32%	(1.51%)	2.05%	0.82%	(4.61%)	1.38%	3.55%	2.71%	2.45%	<b>30.17%</b>
<b>2012</b>	2.35%	1.83%	(2.32%)	3.37%	(9.39%)	4.65%	4.94%	2.63%	3.02%	(0.43%)	(3.02%)	(3.19%)	<b>3.51%</b>
<b>2011</b>	3.25%	4.30%	(0.33%)	3.54%	(5.87%)	(1.26%)	(2.76%)	(2.95%)	(6.63%)	10.29%	(1.51%)	4.52%	<b>3.35%</b>
<b>2010</b>	1.69%	4.35%	3.25%	4.70%	(6.91%)	5.76%	9.58%	(2.87%)	6.51%	6.53%	3.29%	3.91%	<b>46.41%</b>
<b>2009</b>	22.65%	(3.05%)	1.01%	16.12%	11.43%	(2.50%)	15.39%	(4.04%)	8.77%	4.34%	6.98%	9.90%	<b>123.89%</b>
<b>2008</b>	(1.54%)	1.52%	(7.16%)	5.03%	2.62%	(5.29%)	(5.34%)	2.42%	(18.90%)	(5.53%)	(23.71%)	(8.32%)	<b>(50.78%)</b>

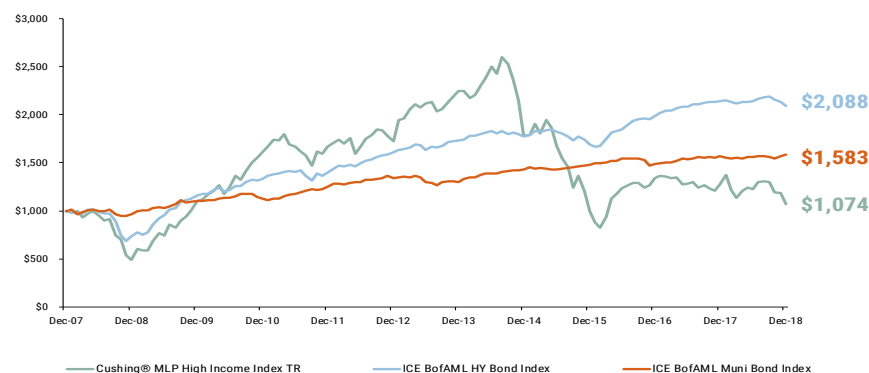
### Performance versus the benchmarks (as of December 31, 2018)

	YTD	Average Trailing Total Return (Trailing CAGR)			
		1 Year	3 Years	5 Years	10 Years
Cushing® MLP High Income Index TR	(15.63%)	(15.63%)	2.60%	(13.71%)	8.12%
Alerian MLP Index TR	(12.42%)	(12.42%)	(1.06%)	(7.30%)	9.58%
S&P 500 Index TR	(4.38%)	(4.38%)	9.25%	8.49%	13.11%
DJ All REIT Equity Index TR	(4.10%)	(4.10%)	4.30%	8.36%	12.46%
PHLX Utility Index TR	3.52%	3.52%	11.08%	10.62%	9.75%
ICE BofAML HY Bond Index	(2.26%)	(2.26%)	7.26%	3.82%	10.98%
ICE BofAML Muni Bond Index	1.04%	1.04%	2.27%	3.99%	5.12%

### MLP Index vs Yield Equities: Growth of \$1,000 (as of December 31, 2018)



### MLP Index vs Bond Indices: Growth of \$1,000 (as of December 31, 2018)

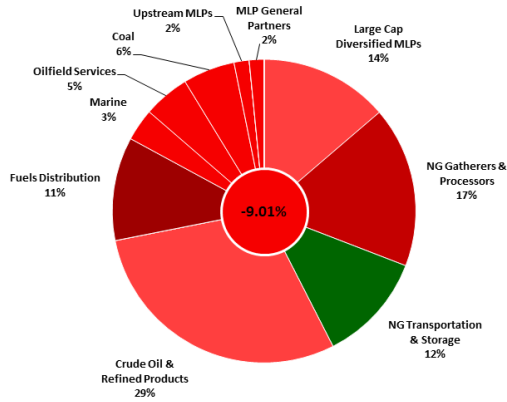


# THE CUSHING® MLP HIGH INCOME INDEX

Monthly Statistical Summary (as of December 31, 2018)

Performance (Current Month)		Constituent Market Capitalization		Risk & Return - 36 months <sup>1</sup>	
MLPY	-9.01%	Mean	\$7,222 mil	Standard deviation	22.18%
MLPYTR	-9.01%	Median	\$3,421 mil	Sharpe ratio	0.17
S&P 500 TR	-9.03%	Largest	\$53,672 mil	Sortino ratio	0.26
Dow Jones REIT TR	-7.87%	Smallest	\$737 mil	Beta vs. S&P 500	1.21
PHLX Utility Index TR	-4.00%	Total weight - top 10	51.19%	Distribution rate <sup>2</sup>	11.14%

## Segment Weighting and Relative Performance



Percentages reflect segment weights. Color shading of the segments is a visual indicator of the exposure-weighted performance of the segments relative to the Index.

## Segment Contributions To / Detractors From Total Return <sup>3</sup>

Large Cap Diversified MLPs	-0.91%
NG Gathers & Processors	-2.05%
NG Transportation & Storage	+0.04%
Crude Oil & Refined Products	-2.36%
Fuels Distribution	-1.90%
Marine	-0.51%
Oilfield Services	-0.50%
Coal	-0.65%
Upstream MLPs	-0.12%
MLP General Partners	-0.06%

The Natural Gas Gatherers & Processors and Fuels Distribution segments underperformed the broader Index relative to their weights within the Index. Marine, Oilfield Services, Coal, Upstream MLPs and MLP General Partners segment returns were roughly in-line with the Index. The Large Cap Diversified MLPs and Crude Oil & Refined Products segments outperformed the Index while still producing negative returns. The Natural Gas Transportation & Storage segment produced positive returns during the month.

## Constituent Contribution Performance (Current Month)

TOP 10			BOTTOM 10		
<b>TGE</b>	Tallgrass Energy, LP	+13.95%	<b>APU</b>	AmeriGas Partners, L.P.	-31.92%
<b>NGL</b>	NGL Energy Partners LP	+3.34%	<b>DCP</b>	DCP Midstream, LP	-22.27%
<b>HEP</b>	Holly Energy Partners, L.P.	+1.53%	<b>TRGP</b>	Targa Resources Corp.	-19.29%
<b>ENBL</b>	Enable Midstream Partners, LP	+1.42%	<b>SMLP</b>	Summit Midstream Partners, LP	-18.23%
<b>SUN</b>	Sunoco LP	-2.75%	<b>ENLK</b>	EnLink Midstream Partners, LP	-16.78%
<b>EET</b>	Enbridge Energy Partners, L.P.	-2.85%	<b>GEL</b>	Genesis Energy, L.P.	-16.24%
<b>DM</b>	Dominion Energy Midstream Partners, LP	-2.91%	<b>SEMG</b>	SemGroup Corporation	-15.10%
<b>WGP</b>	Western Gas Equity Partners, LP	-4.31%	<b>GLOP</b>	GasLog Partners LP	-13.95%
<b>WES</b>	Western Gas Partners, L.P.	-4.97%	<b>ANDX</b>	Andeavor Logistics LP	-12.94%
<b>MMP</b>	Magellan Midstream Partners, L.P.	-5.65%	<b>SHLX</b>	Shell Midstream Partners, L.P.	-12.90%

## Index Constituents and Weights

<b>SUN</b>	Sunoco LP	5.75%	<b>GLOP</b>	GasLog Partners LP	3.43%
<b>MMP</b>	Magellan Midstream Partners, L.P.	5.75%	<b>SMLP</b>	Summit Midstream Partners, LP	2.91%
<b>SPH</b>	Suburban Propane Partners, L.P.	5.39%	<b>APU</b>	AmeriGas Partners, L.P.	2.76%
<b>ARLP</b>	Alliance Resource Partners, L.P.	5.38%	<b>GEL</b>	Genesis Energy, L.P.	2.65%
<b>EPD</b>	Enterprise Products Partners, L.P.	5.28%	<b>ENLK</b>	EnLink Midstream Partners, LP	2.60%
<b>NGL</b>	NGL Energy Partners LP	5.14%	<b>BSM</b>	Black Stone Minerals, L.P.	1.62%
<b>PSXP</b>	Phillips 66 Partners LP	4.91%	<b>MPLX</b>	MPLX LP	1.60%
<b>USAC</b>	USA Compression Partners, LP	4.85%	<b>CNXM</b>	CNX Midstream Partners LP	1.59%
<b>TGE</b>	Tallgrass Energy, LP	4.46%	<b>WGP</b>	Western Gas Equity Partners, LP	1.57%
<b>DM</b>	Dominion Energy Midstream Partners, LP	4.28%	<b>ENBL</b>	Enable Midstream Partners, LP	1.53%
<b>ANDX</b>	Andeavor Logistics LP	4.22%	<b>SHLX</b>	Shell Midstream Partners, L.P.	1.46%
<b>SEMG</b>	SemGroup Corporation	4.08%	<b>ET</b>	Energy Transfer LP	1.43%
<b>HEP</b>	Holly Energy Partners, L.P.	4.01%	<b>CEQP</b>	Crestwood Equity Partners LP	1.40%
<b>WES</b>	Western Gas Partners, L.P.	3.96%	<b>TRGP</b>	Targa Resources Corp.	1.20%
<b>EQM</b>	EQM Midstream Partners, LP	3.62%	<b>DCP</b>	DCP Midstream, LP	1.18%

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<sup>1</sup> Standard deviation, Sharpe ratio, Sortino ratio and Beta are calculated based on monthly returns over a 36-month historical period <sup>2</sup> Distribution rate is calculated as the weighted average of the indicated distribution rates of the Index constituents <sup>3</sup> Individual returns may not sum to Index total due to rounding

Source: Bloomberg LP and Cushing Asset Management, LP