



Access to MLPs with the convenience of a Mutual Fund

Annual Report



2016



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MainGate MLP Fund

Class A (AMLPX)

Class C (MLCPX)

Class I (IMLPX)

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ANNUAL REPORT

November 30, 2016



TABLE OF CONTENTS

Shareholder Letter	5
Hypothetical Growth of a \$10,000 Investment	9
Average Annual Returns	9
Expense Example	10
Allocation of Portfolio Assets	11
Schedule of Investments	11
Statement of Assets and Liabilities	12
Statement of Operations	12
Statements of Changes in Net Assets	13
Financial Highlights: Class A Shares	14
Financial Highlights: Class C Shares	15
Financial Highlights: Class I Shares	16
Notes to Financial Statements	17
Report of Independent Registered Public Accounting Firm	23
Trustees & Officers	24
Additional Information	25
Privacy Policy	26
Fund Service Providers	27

Dear Shareholder,

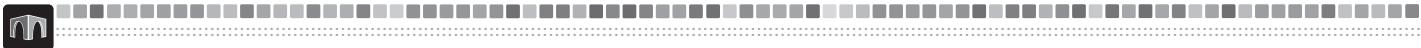
The MainGate MLP Fund (“Fund”) had the following average annual total returns for its fiscal year ended November 30, 2016 compared to the S&P 500 Index.

	Inception Date	1 Year	3 Year	5 Year	Since Inception
MainGate MLP Fund – Class A without load	2/17/11	13.32%	-0.69%	6.21%	5.49%
MainGate MLP Fund – Class A with 5.75% maximum front-end load	2/17/11	6.83%	-2.63%	4.95%	4.42%
MainGate MLP Fund – Class I	2/17/11	13.55%	-0.44%	6.46%	5.76%
S&P 500 Index	2/17/11	8.06%	9.07%	14.45%	11.30%
MainGate MLP Fund – Class C without load	3/31/14	12.47%	N/A	N/A	-4.52%
MainGate MLP Fund – Class C with 1.00% Contingent Deferred Sales Charge	3/31/14	11.59%	N/A	N/A	-4.52%
S&P 500 Index	3/31/14	8.06%	N/A	N/A	8.49%

Expense Ratios (Gross/Net): A Shares = 1.67%/1.67% | C Shares = 2.42%/2.42% | I Shares = 1.42%/1.42%. Net expense ratios represent the percentages paid by investors and reflect a 0.00% Deferred Income Tax Expense which represents the performance impact of accrued deferred tax liabilities across the Fund, not individual share classes, for the fiscal year ended November 30, 2016 (*the Fund did not have a current tax expense or benefit due to a valuation allowance*). The Fund’s adviser has contractually agreed to cap the Fund’s total annual operating expenses (excluding brokerage fees and commissions; Class A 12b-1 fees; borrowing costs; taxes, such as Deferred Income Tax Expense; and extraordinary expenses) at 1.50% through March 31, 2018. The performance data shown for Class C with load reflects the Class C maximum deferred sales charge of 1.00%. Deferred income tax expense/(benefit) represents an estimate of the Fund’s potential tax expense/(benefit) if it were to recognize the unrealized gains/(losses) in the portfolio. An estimate of deferred income tax expense/(benefit) depends upon the Fund’s net investment income/(loss) and realized and unrealized gains/(losses) on its portfolio, which may vary greatly on a daily, monthly and annual basis depending on the nature of the Fund’s investments and their performance. An estimate of deferred income tax expenses/(benefit) cannot be reliably predicted from year to year.

The performance data quoted represents past performance. Past performance is no guarantee of future results. The investment return and the principal value of an investment will fluctuate and shares, when redeemed, may be worth more or less than their original cost. Current performance may be lower or higher than the information quoted. To obtain performance information current to the most recent month-end please call 855.MLP.FUND (855.657.3863). Performance data shown for Class A shares with load reflects the maximum sales charge of 5.75%. Performance data shown for Class C shares with load reflects the maximum deferred sales charge of 1.00%. Performance data shown for Class I shares does not reflect the deduction of a sales load or fee. Performance data shown “Without Load” does not reflect the deduction of the sales load or fee. If reflected, the load or fee would reduce the performance quoted.

During the fiscal year ended November 30, 2016, the Fund was affected by a volatile energy market. The Fund performed well when compared to the broader market (as measured by the S&P 500 Index), as shown in the table above. Market participants may have been more attracted to energy related investments, such as MLPs, than to the broader market.



Overview

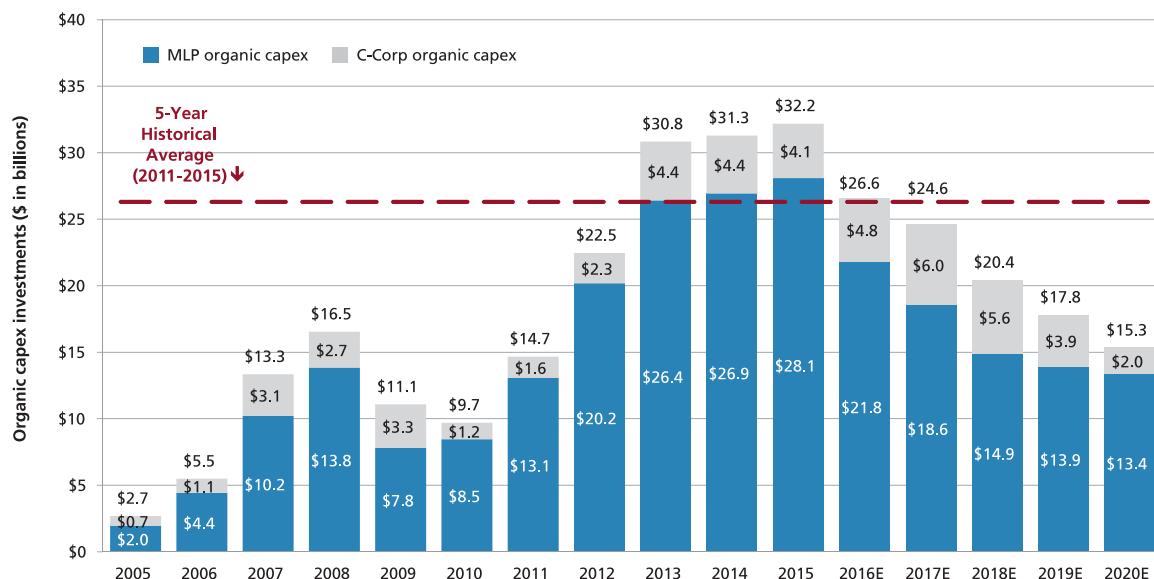
The MLP market was volatile throughout 2016. The MLP market, represented by the Alerian MLP Index, declined 29% during the first six weeks of 2016, then staged an impressive rally that recovered the loss, and ultimately finished the year in positive territory. While investors were focused on crude oil pricing over the past 2 years, we believe that commodity prices should have minimal impact on the underlying businesses that the Fund owns. The Fund's portfolio holdings are focused on midstream energy MLPs, which are largely toll taking, fee-based businesses such as pipelines.

MLP total returns have historically been influenced by the combination of yield and growth. MLPs had a yield of 7.1% as of 12/30/16 as represented by the Alerian MLP Index. In addition to their attractive historical yield, we believe MLPs may grow distributions over time due to (1) structural growth factors (such as rate increases), (2) organic growth projects, and (3) accretive acquisitions.

The backlog of organic growth project will likely be reduced for MLPs in the near term due to the lower commodity price environment over the past 2 years. Organic growth opportunities should continue in the various hydrocarbon markets including natural gas, natural gas liquids ("NGLs"), and crude oil, although with a lower overall level of potential energy infrastructure projects. During 2016, expected organic growth projects totaled \$26.6 billion of new investment¹ and are projected to drop to \$24.6 billion in 2017, still a healthy overall level.

Lastly, the acquisition market has been solid over the past year. Total merger and acquisition ("M&A") volume for the MLP market stood at \$77.4 billion through December 2, 2016².

Historical and Forecasted Organic Midstream Capex Investments



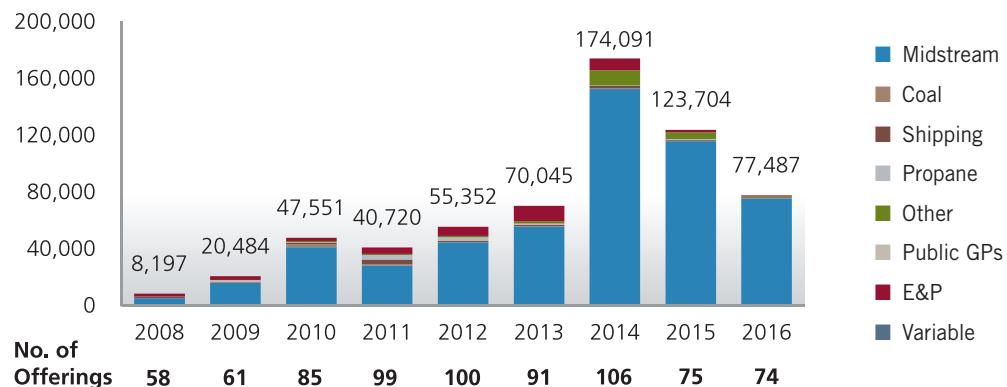
Source: Wells Fargo Securities Equity Research, MLP Monthly 12-05-16 presenting data from partnership reports and Wells Fargo Securities, LLC estimates.

Source notes: Historical and forecast organic capex investments reflect its coverage universe only.

CAPEX: The abbreviation for Capital Expenditures used by a company to acquire or upgrade physical assets such as equipment, property, or industrial buildings.

(1) Source: Wells Fargo Securities Equity Research, MLP Monthly 12-05-16. (2) Source: UBS Weekly MLP Update 12-02-16.

M&A Transactions (\$mm)



Source: UBS Weekly MLP Update 12-02-16 presenting data from IHS Herold, Securities Data Company, Factiva, company disclosures.

Outlook

MLP valuations are attractive with Price to Distributable Cash Flow (P/DCF) multiples 20% below their 5 year average³. MLP balance sheets remain conservatively positioned with average Debt to Earnings before Interest, Taxes, Depreciation, and Amortization (Debt/EBITDA) of 3.9x.

Current Versus Historical MLP Valuation Metrics

MLP Valuation Metrics	Current	5-Year Average	Premium (Discount)	10-Year Average	Premium (Discount)
Midstream MLP Yield	7.5%	6.5%	(14.5%)	6.9%	(9.1%)
Price-to-DCF	10.1x	12.7x	(20.6%)	12.0x	(16.3%)
EV-to-EBITDA	11.0x	12.8x	(13.9%)	11.8x	(7.3%)
Midstream Spread-to-10-year Treasury – discount (premium)	518	414	—	376	—
Midstream Spread-to-investment grade bonds – discount (premium)	279	134	—	94	—
Midstream Spread-to-high yield bonds – discount (premium)	170	15	—	(94)	—

Source: Wells Fargo Securities Equity Research, MLP Monthly 12-05-16 presenting data from partnership reports, FactSet and Wells Fargo Securities, LLC estimates.

Source notes: Midstream MLPs exclude Upstream, Non-Traditional, Coal, and Marine subsectors. Current P/DCF and EV/EBITDA multiples are based on source's median 2017 estimates. Unit prices as of 11/30/16. Debt and EBITDA in our calculation of the EV/EBITDA multiple are adjusted to reflect % of cash flow to GP.

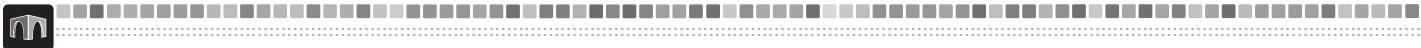
We thank you for your continued confidence despite difficult market conditions. We are confident that there are much better days ahead for investors who recognize the underlying financial strength of MLPs and also believe, as we do, that long-term growth prospects remain excellent and are not reflected in current valuation.

Sincerely,

Geoffrey P. Mavar, Chairman

Matthew G. Mead, CEO

(3) Source: Wells Fargo Securities Equity Research, MLP Monthly 12-05-16.



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Past performance is not a guarantee of future results.

Opinions expressed are those of Chickasaw Capital Management, LLC and are subject to change, are not guaranteed, and should not be considered investment advice.

The information contained in this report is authorized for use when preceded or accompanied by a prospectus.

Mutual fund investing involves risk. Principal loss is possible. The Fund is nondiversified, meaning it may concentrate its assets in fewer individual holdings than a diversified fund. Therefore, the Fund is more exposed to individual security price volatility than a diversified fund. The Fund will invest in Master Limited Partnerships (MLPs) which concentrate investments in the energy sector and are subject to the risks of energy prices and demand and the volatility of commodity investments. Damage to facilities and infrastructure of MLPs may significantly affect the value of an investment and may incur environmental costs and liabilities due to the nature of their business. MLPs are subject to significant regulation and may be adversely affected by changes in the regulatory environment. Investments in smaller companies involve additional risks, such as limited liquidity and greater volatility. Investments in foreign securities involve greater volatility and political, economic and currency risks and differences in accounting methods. MLPs are subject to certain risks inherent in the structure of MLPs, including complex tax structure risks, limited ability for election or removal of management, limited voting rights, potential dependence on parent companies or sponsors for revenues to satisfy obligations, and potential conflicts of interest between partners, members and affiliates.

Correlation: A statistical measure of the degree to which the movements of two variables (stock/option/convertible prices or returns) are related.

EBITDA is earnings before interest, taxes, depreciation and amortization.

Debt to EBITDA is debt divided by EBITDA.

DCF is Distributable Cash Flow, which is generally defined as: + earnings before interest, taxes, depreciation and amortization (EBITDA) - maintenance capital expenditures - interest expense = Distributable Cash Flow.

P/DCF is price divided by Distributable Cash Flow.

S&P 500 Index: A broad based unmanaged index of 500 stocks, which is widely recognized as representative of the equity market in general.

The Alerian MLP Index: A capitalization-weighted index of the 50 most prominent energy Master Limited Partnerships.

You cannot invest directly in an index.

Fund holdings and sector allocations are subject to change at any time and should not be considered a recommendation to buy or sell any security. Please refer to the schedule of investments for a complete listing of Fund holdings.

The Fund does not receive the same tax benefits of a direct investment in an MLP.

The Fund is subject to U.S. federal income tax on its taxable income at rates applicable to corporations (currently at a maximum rate of 35%) as well as state and local income taxes.

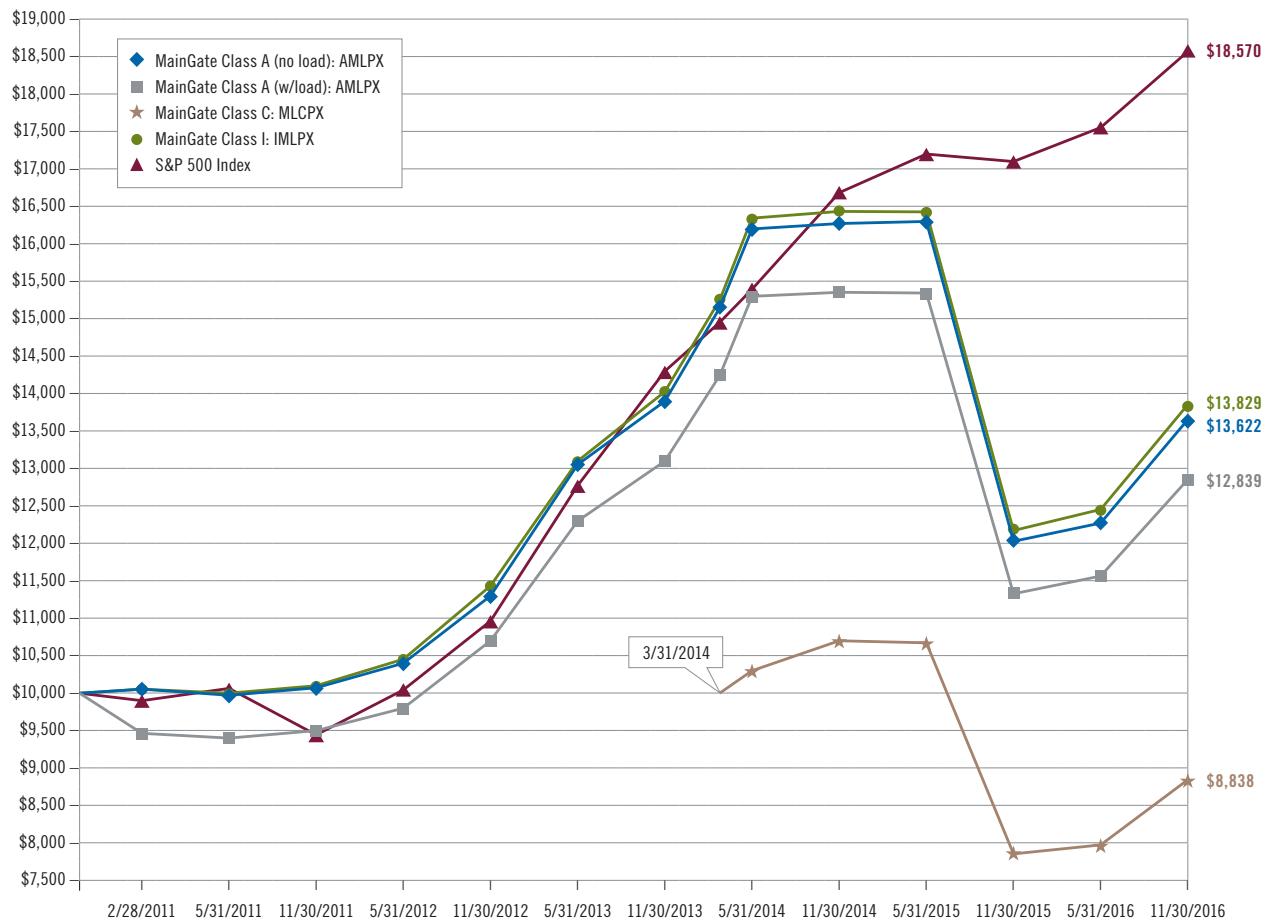
The Fund accrues deferred income taxes, if applicable, for future tax liabilities associated with the portion of MLP distributions considered to be a tax-deferred return of capital and for any net operating gains as well as capital appreciation of its investments. This deferred tax liability is reflected in the daily NAV and as a result the Fund's after-tax performance could differ significantly from the underlying assets even if the pre-tax performance is closely tracked.

The potential tax benefits from investing in MLPs depend on MLPs being treated as partnerships for federal income tax purposes.

If the MLP is deemed to be a corporation then its income would be subject to federal taxation, reducing the amount of cash available for distribution to the Fund which could result in a reduction of the Fund's value.

The MainGate MLP Fund is distributed by Quasar Distributors, LLC.

Hypothetical Growth of a \$10,000 Investment | unaudited



This chart illustrates the performance of a hypothetical \$10,000 investment made in each share class as of its inception date (2/17/11 for Class A and Class I and 3/31/14 for Class C). Assumes reinvestment of dividends and capital gains. This chart does not imply any future performance.

Average Annual Returns | November 30, 2016

	1 Year	5 Year	Since Inception	Inception Date
Class A (without sales load)	13.32%	6.21%	5.49%	2/17/11
Class A (with sales load)	6.83%	4.95%	4.42%	2/17/11
Class C	12.47%	n/a	-4.52%	3/31/14
Class C (with CDSC)	11.59%	n/a	-4.52%	3/31/14
Class I	13.55%	6.46%	5.76%	2/17/11
S&P 500 Index	8.06%	14.45%	11.30%	2/17/11
S&P 500 Index	8.06%	n/a	8.49%	3/31/14

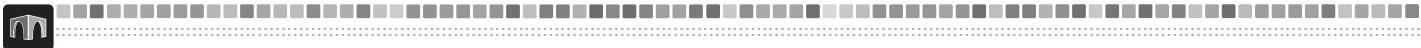
Performance data quoted represents past performance; past performance does not guarantee future results. The investment return and principal value of an investment will fluctuate so that an investor's shares, when redeemed, may be worth more or less than their original cost. Current performance of the Fund may be lower or higher than the performance quoted. Performance data current to the most recent month end may be obtained by calling 855.MLP.FUND (855.657.3863) or by visiting www.maingatefunds.com.

Periods of one year or less in length are cumulative.

Class A (with sales load) performance reflects the maximum sales charge of 5.75%. Class C performance has been restated to reflect the 1.00% contingent deferred sales charge. Class I is not subject to a sales charge.

The S&P 500 Index is a broad based unmanaged index of 500 stocks, which is widely recognized as representative of the equity market in general. You cannot invest directly in an index.

The graph and table do not reflect the deduction of taxes that a shareholder would pay on Fund distributions or the redemption of Fund shares.



Expense Example | unaudited

As a shareholder of the Fund, you incur two types of costs: (1) transaction costs, including sales charges (loads) on purchase payments, reinvested dividends, or other distributions; and exchange fees; and (2) ongoing costs, including management fees; distribution and/or service (12b-1) fees; and other Fund expenses. This example is intended to help you understand your ongoing costs (in dollars) of investing in the Fund and to compare these costs with the ongoing costs of investing in other mutual funds. The example is based on an investment of \$1,000 invested at the beginning of the period and held for the six-month period from June 1, 2016 to November 30, 2016.

Actual Expenses

For each class, the first line of the table below provides information about actual account values and actual expenses. You may use the information in this line, together with the amount you invested, to estimate the expenses that you paid over the period. Simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number in the first line under the heading entitled "Expenses Paid During Period" to estimate the expenses you paid on your account during this period.

Hypothetical Example for Comparison Purposes

For each class, the second line of the table below provides information about hypothetical account values and hypothetical expenses based on the Fund's actual expense ratio and an assumed rate of return of 5% per year before expenses, which is not the Fund's actual return. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expense you paid for the period. You may use this information to compare the ongoing costs of investing in the Fund and other funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds.

Please note that the expenses shown in the table are meant to highlight your ongoing costs only and do not reflect any transactional costs, such as sales charges (loads) or exchange fees. Therefore, the second line of the table for each class is useful in comparing ongoing costs only, and will not help you determine the relative total costs of owning different funds. In addition, if transaction costs were included, your costs would have been higher.

	Beginning Account Value (06/01/16)	Ending Account Value (11/30/16)	Expenses Paid During Period ⁽¹⁾ (06/01/16 – 11/30/16)	Net Annualized Expense Ratio
Class A Actual	\$1,000.00	\$1,101.65	\$8.77	1.67%
Class A Hypothetical (5% return before expenses)	\$1,000.00	\$1,016.65	\$8.42	1.67%
Class C Actual	\$1,000.00	\$1,094.20	\$12.67	2.42%
Class C Hypothetical (5% return before expenses)	\$1,000.00	\$1,012.90	\$12.18	2.42%
Class I Actual	\$1,000.00	\$1,103.20	\$7.47	1.42%
Class I Hypothetical (5% return before expenses)	\$1,000.00	\$1,017.90	\$7.16	1.42%

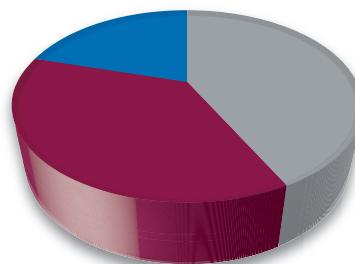
⁽¹⁾ Expenses are equal to the Fund's annualized expense ratio multiplied by the average account value over the period, multiplied by 183 days (the number of days in the most recent period)/366 days (to reflect the period), for Class A, Class C and Class I.

Allocation of Portfolio Assets

November 30, 2016

(expressed as a percentage of total investments)

■ Crude/Refined Products Pipelines and Storage*	42.5%
■ Natural Gas/Natural Gas Liquid Pipelines and Storage*	37.0%
■ Natural Gas Gathering/Processing*	20.5%



*Master Limited Partnerships and Related Companies

Schedule of Investments | November 30, 2016

	Shares	Fair Value
Master Limited Partnerships and Related Companies: 99.3%⁽¹⁾		
Crude/Refined Products Pipelines and Storage: 42.3%⁽¹⁾		
United States: 42.3%⁽¹⁾		
Buckeye Partners, L.P.	1,100,000	70,774,000
Genesis Energy, L.P. – Class A	2,900,000	101,326,000
Magellan Midstream Partners, L.P.	1,050,000	72,712,500
MPLX, L.P.	1,000,000	32,850,000
Phillips 66 Partners, L.P.	1,150,000	51,899,500
Plains All American Pipeline, L.P.	2,300,000	75,785,000
Plains GP Holdings, L.P. – Class A	2,650,000	93,173,998
SemGroup Corporation ⁽²⁾ – Class A	2,400,000	86,520,000
Shell Midstream Partners, L.P.	3,200,000	88,256,000
Sunoco Logistics Partners, L.P.	3,000,000	71,070,000
Valero Energy Partners, L.P.	600,000	24,252,000
		768,618,998
Natural Gas/Natural Gas Liquid Pipelines and Storage: 36.7%⁽¹⁾		
United States: 36.7%⁽¹⁾		
Dominion Midstream Partners, L.P.	1,430,000	36,608,000
Energy Transfer Equity, L.P.	8,700,000	148,161,000
Enterprise Products Partners, L.P.	4,100,000	106,313,000
EQT GP Holdings, L.P.	1,400,000	34,580,000
EQT Midstream Partners, L.P.	440,000	32,221,200
Western Gas Equity Partners, L.P.	2,250,000	96,615,000
Western Gas Partners, L.P.	1,100,000	62,777,000
Williams Companies, Inc. ⁽²⁾	4,900,000	150,430,000
		667,705,200
Natural Gas Gathering/Processing: 20.3%⁽¹⁾		
United States: 20.3%⁽¹⁾		
Antero Midstream Partners, L.P.	2,051,000	57,776,670
Enlink Midstream Partners, L.P.	1,900,000	33,288,000
Enlink Midstream, LLC ⁽²⁾	6,350,000	116,205,000
Targa Resources Corporation ⁽²⁾	3,050,000	162,534,500
		369,804,170
Total Master Limited Partnerships and Related Companies (Cost \$1,575,204,964)		\$1,806,128,368
Total Investments: 99.3%⁽¹⁾ (Cost \$1,575,204,964)		\$1,806,128,368
Other Assets in Excess of Liabilities: 0.7%⁽¹⁾		12,553,689
Net Assets Applicable to Common Stockholders: 100.0%⁽¹⁾		\$1,818,682,057

(1) Calculated as a percentage of net assets applicable to shareholders. (2) MLP general partner interest.



Statement of Assets and Liabilities

November 30, 2016

Assets

Investments at fair value (cost \$1,575,204,964)	\$1,806,128,368
Cash	51,638,790
Receivable for Fund shares sold	8,339,128
Prepaid expenses	36,502
Total assets	1,866,142,788

Liabilities

Payable to Adviser	1,792,275
Payable for investments purchased	37,345,679
Payable for Fund shares redeemed	7,480,506
Payable for 12b-1 distribution fee	219,445
Accrued expenses and other liabilities	622,826
Total liabilities	47,460,731

Net assets	\$1,818,682,057
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Net Assets Consist of

Additional paid-in capital	\$1,847,015,493
Undistributed net investment loss, net of deferred taxes	(16,983,069)
Accumulated realized loss, net of deferred taxes	(224,878,680)
Net unrealized appreciation on investments, net of deferred taxes	213,528,313
Net assets	\$1,818,682,057

Unlimited shares authorized,

no par value	Class A	Class C	Class I
Net assets	\$209,297,676	\$66,956,773	\$1,542,427,608
Shares issued and outstanding	21,162,339	6,842,911	153,159,861
Net asset value, redemption price and minimum offering price per share	\$9.89	\$9.78	\$10.07
Maximum offering price per share (\$9.89/0.9425)	\$10.49	NA	NA

Statement of Operations

November 30, 2016

Investment Income

Distributions received from master limited partnerships	\$70,331,756
Less: return of capital on distributions	(70,326,093)
Distribution income received in excess of return of capital from master limited partnerships	5,663
Dividends from common stock	14,026,249
Total Investment Income	14,031,912

Expenses

Advisory fees	17,614,367
Administrator fees	849,210
Transfer agent expense	539,700
Reports to shareholders	299,483
Registration fees	263,004
Professional fees	106,422
Custodian fees and expenses	92,162
Insurance expense	78,772
Compliance fees	60,337
Trustees' fees	59,303
Franchise tax expense	55,653
Fund accounting fees	1,187
12b-1 distribution fee - Class A	466,548
12b-1 distribution fee - Class C	544,085
Other expenses	10,065
Total Expenses	21,040,298
Net Investment Loss, before taxes	(7,008,386)
Current and deferred tax benefit/(expense) ⁽¹⁾	—
Net investment loss, net of taxes	(7,008,386)

Realized and Unrealized Gain on Investments

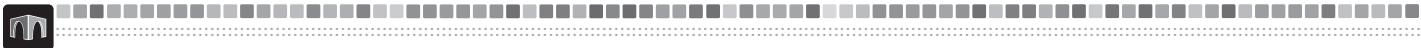
Net realized loss on investments, before taxes	(211,476,291)
Current and deferred tax benefit/(expense) ⁽¹⁾	—
Net realized loss on investments, net of taxes	(211,476,291)
Net change in unrealized appreciation of investments, before taxes	442,853,245
Deferred tax benefit/(expense) ⁽¹⁾	—
Net change in unrealized appreciation on investments, net of taxes	442,853,245
Net Realized and Unrealized Gain on Investments	231,376,954
Increase in Net Assets Applicable to Shareholders Resulting from Operations	\$224,368,568

(1) Any tax benefit/(expense) was fully offset by a 100% valuation allowance recorded as of November 30, 2016.

Statements of Changes in Net Assets

Operations	Year Ended November 30, 2016	Year Ended November 30, 2015
Net investment loss, net of deferred tax benefit	\$(7,008,368)	\$(819,843)
Net realized loss on investments, net of deferred tax benefit	(211,476,291)	(14,232,456)
Net change in unrealized appreciation (depreciation) of investments, net of deferred tax benefit/(expense)	442,853,245	(382,555,596)
Net increase (decrease) in net assets resulting from operations	224,368,568	(397,607,895)
Dividends and Distributions to Class A Shareholders		
Return of capital	(13,101,252)	(10,196,666)
Dividends and Distributions to Class C Shareholders		
Return of capital	(3,911,099)	(1,946,093)
Dividends and Distributions to Class I Shareholders		
Return of capital	(81,407,521)	(54,267,997)
Total dividends and distributions to Fund shareholders	(98,419,872)	(66,410,756)
Capital Share Transactions (Note 9)		
Proceeds from shareholder subscriptions	1,109,344,507 ⁽¹⁾	1,152,277,126
Dividend reinvestments	81,095,331	55,123,601
Payments for redemptions	(752,333,057) ⁽¹⁾	(606,483,471)
Net increase in net assets from capital share transactions	438,106,781	600,917,256
Total increase in net assets	564,055,477	136,898,605
Net Assets		
Beginning of year	1,254,626,580	1,117,727,975
End of year	\$1,818,682,057	\$1,254,626,580
Undistributed net investment loss at the end of the year, net of deferred taxes	\$(16,983,069)	\$(9,974,683)

(1) Includes \$15,403,376 of exchanges from Class A to I.



Financial Highlights: Class A Shares

	Year Ended November 30, 2016	Year Ended November 30, 2015	Year Ended November 30, 2014	Year Ended November 30, 2013	Year Ended November 30, 2012
Per Share Data⁽¹⁾					
Net Asset Value, beginning of year					
Net Asset Value, beginning of year	\$9.38	\$13.39	\$12.00	\$10.37	\$9.76
Income from Investment Operations					
Net investment loss ⁽²⁾	(0.06)	(0.03)	(0.09)	(0.06)	(0.06)
Net realized and unrealized gain (loss) on investments	1.20	(3.35)	2.11	2.32	1.30
Total increase (decrease) from investment operations	1.14	(3.38)	2.02	2.26	1.24
Less Distributions to Shareholders					
Net investment income	—	—	(0.06)	—	—
Return of capital	(0.63)	(0.63)	(0.57)	(0.63)	(0.63)
Total distributions to shareholders	(0.63)	(0.63)	(0.63)	(0.63)	(0.63)
Net Asset Value, end of year	\$9.89	\$9.38	\$13.39	\$12.00	\$10.37
Total Investment Return	13.32%	(26.13)%	17.01%	22.22%	12.89%
Supplemental Data and Ratios					
Net assets, end of year	\$209,297,676	\$186,564,276	\$175,523,649	\$127,777,305	\$27,756,364
Ratio of waiver (recoupment) to average net assets	—	(0.03)%	(0.05)%	0.04%	0.41%
Ratio of net deferred income and franchise tax (benefit) expense to average net assets ^(3,4)	—	(6.75)%	7.19%	9.69%	6.01%
Ratio of expenses (including net deferred and franchise tax (benefit) expense) to average net assets before (waiver) recoupment ^(3,4)	1.67%	(5.08)%	8.89%	11.48%	8.17%
Ratio of expenses (including net deferred and franchise tax (benefit) expense) to average net assets after (waiver) recoupment ^(3,4)	1.67%	(5.05)%	8.94%	11.44%	7.76%
Ratio of expenses (excluding net deferred and franchise tax (benefit) expense) to average net assets before (waiver) recoupment ^(3,4)	1.67%	1.66%	1.70%	1.79%	2.16%
Ratio of expenses (excluding net deferred and franchise tax (benefit) expense) to average net assets after (waiver) recoupment ^(3,4)	1.67%	1.69%	1.75%	1.75%	1.75%
Ratio of net investment loss (including net deferred tax benefit and franchise tax benefit (expense)) to average net assets before waiver (recoupment) ^(4,5)	(0.68)%	(0.22)%	(0.64)%	(0.58)%	(1.04)%
Ratio of net investment loss (including net deferred tax benefit and franchise tax benefit (expense)) to average net assets after waiver (recoupment) ^(4,5)	(0.68)%	(0.25)%	(0.69)%	(0.54)%	(0.63)%
Ratio of net investment loss (excluding net deferred tax benefit and franchise tax benefit (expense)) to average net assets before waiver (recoupment) ^(4,5)	(0.67)%	(0.56)%	(1.07)%	(0.99)%	(1.29)%
Ratio of net investment loss (excluding net deferred tax benefit and franchise tax benefit (expense)) to average net assets after waiver (recoupment) ^(4,5)	(0.67)%	(0.59)%	(1.12)%	(0.95)%	(0.88)%
Portfolio turnover rate ⁽⁶⁾	24.63%	57.63%	57.83%	90.59%	106.26%

(1) Information presented relates to a share of Class A share for the entire year.

(2) Calculated using average shares outstanding method.

(3) For the year ended November 30, 2016, the Fund did not accrue a deferred tax expense or benefit. For the year ended November 30, 2015, the Fund accrued \$85,708,196 in net deferred tax benefit, of which \$13,029,619 is attributable to Class A. For the year ended November 30, 2014, the Fund accrued \$51,671,889 in net deferred tax expense, of which \$12,226,299 is attributable to Class A. For the year ended November 30, 2013, the Fund accrued \$29,149,971 in net deferred tax expense, of which \$8,448,503 is attributable to Class A. For the year ended November 30, 2012, the Fund accrued \$4,517,743 in net deferred tax expense, of which \$741,282 is attributable to Class A.

(4) For the year ended November 30, 2016, the Fund accrued \$55,653 in franchise tax expense, of which \$7,370 is attributable to Class A. For the year ended November 30, 2015, the Fund accrued \$100,618 in franchise tax expense, of which \$15,296 is attributable to Class A. For the year ended November 30, 2014, the Fund accrued \$113,535 in franchise tax expense, of which \$21,899 is attributable to Class A. For the year ended November 30, 2013, the Fund accrued \$37,430 in franchise tax expense, of which \$10,848 is attributable to Class A.

(5) For the year ended November 30, 2016, the Fund did not accrue a deferred tax expense or benefit. For the year ended November 30, 2015, the Fund accrued \$4,392,751 in net deferred tax benefit, of which \$667,799 is attributable to Class A. For the year ended November 30, 2014, the Fund accrued \$3,704,675, in net deferred tax benefit, of which \$748,704 is attributable to Class A. For the year ended November 30, 2013, the Fund accrued \$1,263,406 in net deferred tax benefit, of which \$366,172 is attributable to Class A. For the year ended November 30, 2012, the Fund accrued \$192,859 in net deferred tax benefit, of which \$31,645 is attributable to Class A.

(6) Portfolio turnover is calculated on the basis of the Fund as a whole without distinguishing between the classes of shares issued.

Financial Highlights: Class C Shares

	Year Ended November 30, 2016	Year Ended November 30, 2015	March 31, 2014 ⁽¹⁾ – November 30, 2014
Per Share Data⁽²⁾			
Net Asset Value, beginning of period	\$9.35	\$13.45	\$—
Public offering price	—	—	13.00
Income from Investment Operations			
Net investment loss ⁽³⁾	(0.13)	(0.12)	(0.14)
Net realized and unrealized gain (loss) on investments	1.19	(3.35)	1.06
Total increase (decrease) from investment operations	1.06	(3.47)	0.92
Less Distributions to Shareholders			
Net investment income	—	—	(0.04)
Return of capital	(0.63)	(0.63)	(0.43)
Total distributions to shareholders	(0.63)	(0.63)	(0.47)
Net Asset Value, end of period	\$9.78	\$9.35	\$13.45
Total Investment Return	12.47%	(26.70)%	7.09% ⁽⁴⁾
Supplemental Data and Ratios			
Net assets, end of period	\$66,956,773	\$42,667,765	\$25,987,231
Ratio of waiver (recoupment) to average net assets ⁽⁵⁾	—	(0.03)%	(0.05)%
Ratio of net deferred income and franchise tax (benefit) expense to average net assets ^(5,6)	—	(6.75)%	2.10% ⁽⁴⁾
Ratio of expenses (including net deferred and franchise tax (benefit) expense) to average net assets before (waiver) recoupment ^(5,6,7)	2.42%	(4.33)%	4.55%
Ratio of expenses (including net deferred and franchise tax (benefit) expense) to average net assets after (waiver) recoupment ^(5,6,7)	2.42%	(4.30)%	4.60%
Ratio of expenses (excluding net deferred and franchise tax (benefit) expense) to average net assets before (waiver) recoupment ^(5,6,7)	2.42%	2.41%	2.45%
Ratio of expenses (excluding net deferred and franchise tax (benefit) expense) to average net assets after (waiver) recoupment ^(5,6,7)	2.42%	2.44%	2.50%
Ratio of net investment loss (including net deferred tax benefit and franchise tax benefit (expense)) to average net assets before waiver (recoupment) ^(5,7,8)	(1.43)%	(0.97)%	(1.58)%
Ratio of net investment loss (including net deferred tax benefit and franchise tax benefit (expense)) to average net assets after waiver (recoupment) ^(5,7,8)	(1.43)%	(1.00)%	(1.63)%
Ratio of net investment loss (excluding net deferred tax benefit and franchise tax benefit (expense)) to average net assets before waiver (recoupment) ^(5,7,8)	(1.42)%	(1.31)%	(1.90)%
Ratio of net investment loss (excluding net deferred tax benefit and franchise tax benefit (expense)) to average net assets after waiver (recoupment) ^(5,7,8)	(1.42)%	(1.34)%	(1.95)%
Portfolio turnover rate ⁽⁹⁾	24.63%	57.63%	57.83%

(1) Commencement of operations.

(2) Information presented relates to a share of Class C share for the entire period.

(3) Calculated using average shares outstanding method.

(4) Not annualized.

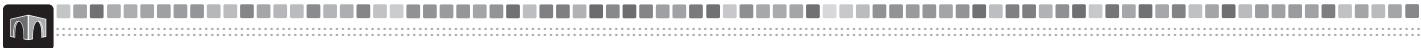
(5) For periods less than one full year all income and expenses are annualized.

(6) For the year ended November 30, 2016, the Fund did not accrue a deferred tax expense or benefit. For the year ended November 30, 2015, the Fund accrued \$85,708,196 in net deferred tax benefit, of which \$2,449,517 is attributable to Class C. For the period from March 31, 2014 to November 30, 2014, the Fund accrued \$20,001,167 in net deferred tax expense, of which \$265,741 is attributable to Class C.

(7) For the year ended November 30, 2016, the Fund accrued \$55,653 in franchise tax expense, of which \$2,149 is attributable to Class C. For the year ended November 30, 2015, the Fund accrued \$100,618 in franchise tax expense, of which \$2,876 is attributable to Class C. For the period from March 31, 2014 to November 30, 2014, the Fund accrued \$113,535 in franchise tax expense, of which \$1,508 is attributable to Class C.

(8) For the year ended November 30, 2016, the Fund did not accrue a deferred tax expense or benefit. For the year ended November 30, 2015, the Fund accrued \$4,392,751 in net deferred tax benefit, of which \$125,544 is attributable to Class C. For the period from March 31, 2014 to November 30, 2014, the Fund accrued \$3,226,113 in net deferred tax benefit, of which \$42,863 is attributable to Class C.

(9) Portfolio turnover is calculated on the basis of the Fund as a whole without distinguishing between the classes of shares issued.



Financial Highlights: Class I Shares

	Year Ended November 30, 2016	Year Ended November 30, 2015	Year Ended November 30, 2014	Year Ended November 30, 2013	Year Ended November 30, 2012
Per Common Share Data⁽¹⁾					
Net Asset Value, beginning of year	\$9.52	\$13.54	\$12.10	\$10.42	\$9.79
Income from Investment Operations					
Net investment income (loss) ⁽²⁾	(0.04)	0.00‡	(0.06)	(0.03)	(0.04)
Net realized and unrealized gain (loss) on investments	1.22	(3.39)	2.13	2.34	1.30
Total increase (decrease) from investment operations	1.18	(3.39)	2.07	2.31	1.26
Less Distributions to Shareholders					
Net investment income	—	—	(0.06)	—	—
Return of capital	(0.63)	(0.63)	(0.57)	(0.63)	(0.63)
Total distributions to shareholders	(0.63)	(0.63)	(0.63)	(0.63)	(0.63)
Net Asset Value, end of year	\$10.07	\$9.52	\$13.54	\$12.10	\$10.42
Total Investment Return	13.55%	(25.91)%	17.29%	22.60%	13.06%
Supplemental Data and Ratios					
Net assets, end of year	\$1,542,427,608	\$1,025,394,539	\$916,217,095	\$343,055,922	\$90,274,137
Ratio of waiver (recoupment) to average net assets	—	(0.03)%	(0.05)%	0.04%	0.41%
Ratio of net deferred income and franchise tax (benefit) expense to average net assets ^(3,4)	—	(6.75)%	6.15%	9.69%	6.01%
Ratio of expenses (including net deferred and franchise tax (benefit) expense) to average net assets before (waiver) recoupment ^(3,4)	1.42%	(5.33)%	7.60%	11.23%	7.92%
Ratio of expenses (including net deferred and franchise tax (benefit) expense) to average net assets after (waiver) recoupment ^(3,4)	1.42%	(5.30)%	7.65%	11.19%	7.51%
Ratio of expenses (excluding net deferred and franchise tax (benefit) expense) to average net assets before (waiver) recoupment ^(3,4)	1.42%	1.41%	1.45%	1.54%	1.91%
Ratio of expenses (excluding net deferred and franchise tax (benefit) expense) to average net assets after (waiver) recoupment ^(3,4)	1.42%	1.44%	1.50%	1.50%	1.50%
Ratio of net investment income (loss) (including net deferred tax benefit and franchise tax benefit (expense)) to average net assets before waiver (recoupment) ^(4,5)	(0.43)%	0.03%	(0.40)%	(0.33)%	(0.79)%
Ratio of net investment income (loss) (including net deferred tax benefit and franchise tax benefit (expense)) to average net assets after waiver (recoupment) ^(4,5)	(0.43)%	0.00%	(0.45)%	(0.29)%	(0.38)%
Ratio of net investment loss (excluding net deferred tax benefit and franchise tax benefit (expense)) to average net assets before waiver (recoupment) ^(4,5)	(0.42)%	(0.31)%	(0.84)%	(0.74)%	(1.04)%
Ratio of net investment loss (excluding net deferred tax benefit and franchise tax benefit (expense)) to average net assets after waiver (recoupment) ^(4,5)	(0.42)%	(0.34)%	(0.89)%	(0.70)%	(0.63)%
Portfolio turnover rate ⁽⁶⁾	24.63%	57.63%	57.83%	90.59%	106.26%

‡ Less than one cent per share.

(1) Information presented relates to a Class I share outstanding for the entire year.

(2) Calculated using average shares outstanding method.

(3) For the year ended November 30, 2016, the Fund did not accrue a deferred tax expense or benefit. For the year ended November 30, 2015, the Fund accrued \$85,708,196 in net deferred tax benefit, of which \$70,229,060 is attributable to Class I. For the year ended November 30, 2014, the Fund accrued \$51,671,889 in net deferred tax benefit, of which \$39,179,849 is attributable to Class I. For the year ended November 30, 2013, the Fund accrued \$29,149,971 in net deferred tax expense, of which \$20,701,468 is attributable to Class I. For the year ended November 30, 2012, the Fund accrued \$4,517,743 in net deferred tax expense, of which \$3,776,461 is attributable to Class I.

(4) For the year ended November 30, 2016, the Fund accrued \$55,653 in franchise tax expense, of which \$46,134 is attributable to Class I. For the year ended November 30, 2015, the Fund accrued \$100,618 in franchise tax expense, of which \$82,446 is attributable to Class I. For the year ended November 30, 2014, the Fund accrued \$113,535 in franchise tax expense, of which \$90,128 is attributable to Class I. For the year ended November 30, 2013, the Fund accrued \$37,430 in franchise tax expense, of which \$26,582 is attributable to Class I.

(5) For the year ended November 30, 2016, the Fund did not accrue a deferred tax expense or benefit. For the year ended November 30, 2015, the Fund accrued \$4,392,751 in net deferred tax benefit, of which \$3,599,408 is attributable to Class I. For the year ended November 30, 2014, the Fund accrued \$3,704,675 in net deferred tax benefit, of which \$2,913,108 is attributable to Class I. For the year ended November 30, 2013, the Fund accrued \$1,263,406 in net deferred tax benefit, of which \$897,234 is attributable to Class I. For the year ended November 30, 2012, the Fund accrued \$192,859 in net deferred tax benefit, of which \$161,214 is attributable to Class I.

(6) Portfolio turnover is calculated on the basis of the Fund as a whole without distinguishing between the classes of shares issued.

Notes to Financial Statements

November 30, 2016

1. Organization

MainGate MLP Fund (the “Fund”), a series of MainGate Trust (the “Trust”), is registered under the Investment Company Act of 1940 as an open-end, non-diversified investment company. The Trust was established under the laws of Delaware by an Agreement and Declaration of Trust dated November 3, 2010. The Fund’s investment objective is total return. Class A and Class I commenced operations on February 17, 2011. Class C commenced operations on March 31, 2014.

The Fund offers three classes of shares, Class A, Class C and Class I. Class A shares are subject to a maximum 5.75% front-end sales charge and a 1.00% contingent deferred sales charge within 18 months of redemption. Class C shares have no front-end sales charge, but are subject to a 1.00% contingent deferred sales charge within 12 months of redemption. Class I shares have no sales charge. Class A shareholders pay Rule 12b-1 fees at the annual rate of 0.25% of average daily net assets. Class C shareholders pay Rule 12b-1 fees at the annual rate of 1.00% of average daily net assets. For the year ended November 30, 2016, contingent deferred sales charges of \$10,302 and \$24,124 were incurred by Class A and Class C shareholders, respectively.

The Fund is an investment company and accordingly follows the investment company accounting and reporting guidance of the Financial Accounting Standards Board (FASB) Accounting Standard Board Certification Topic 946 Financial Services – Investment Companies.

2. Significant Accounting Policies

A. Use of Estimates. The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America (“U.S. GAAP”) requires management to make estimates and assumptions that affect the reported amount of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the recognition of distribution income and the reported amounts of increases and decreases in net assets from operations during the reporting period. Actual results could differ from those estimates.

B. Investment Valuation. The Fund uses the following valuation methods to determine fair value as either current market value for investments for which market quotations are available, or if not available, a fair value, as determined in good faith pursuant to such policies and procedures as may be approved by the Trust’s Board of Trustees (“Board of Trustees”) from time to time. The valuation of the portfolio securities of the Fund currently includes the following processes:

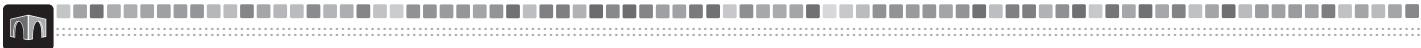
- **Equity Securities:** Securities listed on a securities exchange or an automated quotation system for which quotations are readily available, including securities traded over the counter, will be

valued at the last quoted sale price on the principal exchange on which they are traded on the valuation date (or at approximately 4:00 p.m. Eastern Time if a security’s principal exchange is normally open at that time), or, if there is no such reported sale on the valuation date, at the most recent quoted bid price.

- **Fixed Income Securities:** Debt and fixed income securities will be priced by independent, third-party pricing agents approved by the Board of Trustees. These third-party pricing agents will employ methodologies that they believe are appropriate, including actual market transactions, broker-dealer supplied valuations, matrix pricing, or other electronic data processing techniques. These techniques generally consider such factors as security prices, yields, maturities, call features, ratings and developments relating to specific securities in arriving at valuations. Debt obligations with remaining maturities of sixty days or less will be valued at their amortized cost, which approximates fair market value.

- **Foreign Securities:** Foreign securities are often principally traded on markets that close at different hours than U.S. markets. Such securities will be valued at their most recent closing prices on the relevant principal exchange even if the close of that exchange is earlier than the time of the Fund’s net asset value (“NAV”) calculation. However, securities traded in foreign markets which remain open as of the time of the NAV calculation will be valued at the most recent sales price as of the time of the NAV calculation. In addition, prices for certain foreign securities may be obtained from the Fund’s approved pricing sources. The Adviser also monitors for the occurrence of significant events that may cast doubts on the reliability of previously obtained market prices for foreign securities held by the Fund. The prices for foreign securities will be reported in local currency and converted to U.S. dollars using currency exchange rates. Exchange rates will be provided daily by recognized independent pricing agents. The exchange rates used for the conversion will be captured as of the London close each day.

- **Security Transactions, Investment Income and Expenses.** Security transactions are accounted for on the date the securities are purchased or sold (trade date). Realized gains and losses are reported on a specific identified cost basis. Interest income is recognized on the accrual basis, including amortization of premiums and accretion of discounts. Distributions are recorded on the ex-dividend date. Distributions received from the Fund’s investments in master limited partnerships (“MLPs”) generally are comprised of ordinary income and return of capital from the MLP. Dividends received from the Fund’s investments in MLP general partner interests generally are comprised of ordinary income. The Fund records investment income on the ex-date of the distributions. For financial statement purposes, the Fund uses return of capital and income estimates to allocate the dividend income received. Such estimates are based on historical information available from each MLP and other industry sources. These estimates may subsequently be revised based on information received from MLPs after their tax reporting periods are concluded, as the actual character of these distributions is not known until after the fiscal year end of the Fund.



The Fund estimates the allocation of investment income and return of capital for the distributions received from MLPs within the Statement of Operations. For the year ended November 30, 2016, the Fund has estimated approximately 100% of the distributions from MLPs taxed as partnerships to be return of capital. Distributions from common stock may also include income and return of capital. The Fund records the character of distributions received during the year based on estimates available. The characterization of distributions received by the Fund may be subsequently revised based on the information received from the MLPs and common stock after their tax reporting periods conclude.

Expenses are recorded on the accrual basis.

D. Dividends and Distributions to Shareholders. Dividends and distributions to shareholders are recorded on the ex-dividend date. The character of dividends and distributions to shareholders made during the period may differ from their ultimate characterization for federal income tax purposes. For the year ended November 30, 2016, the Fund's dividends and distributions were expected to be comprised of 100% return of capital. The tax character of distributions paid for the year ended November 30, 2016 will be determined in early 2017.

E. Federal Income Taxation. The Fund, taxed as a corporation, is obligated to pay federal and state income tax on its taxable income. Currently, the maximum marginal regular federal income tax rate for a corporation is 35%. Federal income tax rates may change pending future legislation, which may have a material effect on the financial statements. A change in federal income tax rate is recorded on the date of enactment. The Fund may be subject to a 20% federal alternative minimum tax on its federal alternative minimum taxable income to the extent that its alternative minimum tax exceeds its regular federal income tax.

The Fund invests its assets primarily in MLPs, which generally are treated as partnerships for federal income tax purposes. As a limited partner in the MLPs, the Fund reports its allocable share of the MLP's taxable income in computing its own taxable income. The Fund's tax expense or benefit is included in the Statement of Operations based on the component of income or gains (losses) to which such expense

or benefit relates. Deferred income taxes reflect the net tax effects of temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the amounts used for income tax purposes. A valuation allowance is recognized if, based on the weight of available evidence, it is more likely than not that some portion or all of the deferred income tax asset will not be realized.

The Fund's policy is to classify interest and penalties associated with underpayment of federal and state income taxes as an income tax expense on the Statement of Operations. For the year ended November 30, 2016, the Fund did not have interest or penalties associated with underpayment of income taxes.

F. Cash Distribution Information. The Fund intends to make quarterly distributions from investments, which include the amount received as cash distributions from MLPs and common stock dividends. These activities will be reported in the Statements of Changes in Net Assets.

G. Indemnifications. Under the Fund's organizational documents, its officers and trustees are indemnified against certain liabilities arising out of the performance of their duties to the Fund. In addition, in the normal course of business, the Fund may enter into contracts that provide general indemnification to other parties. The Fund's maximum exposure under these arrangements is unknown, as this would involve future claims that may be made against the Fund that have not yet occurred, and may not occur. However, the Fund has not had prior claims or losses pursuant to these contracts.

3. Fair Value Measurements

Various inputs that are used in determining the fair value of the Fund's investments are summarized in the three broad levels listed below:

- **Level 1:** quoted prices in active markets for identical securities
- **Level 2:** other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.)
- **Level 3:** significant unobservable inputs (including the Fund's own assumptions in determining the fair value of investments)

Fair Value Measurements at Reporting Date Using:

Description	Fair Value at November 30, 2016	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Equity Securities				
Master Limited Partnerships and and Related Companies ⁽¹⁾	\$1,806,128,368	\$1,806,128,368	\$ —	\$ —
Total	\$1,806,128,368	\$1,806,128,368	\$ —	\$ —

(1) All other industry classifications are identified in the Schedule of Investments.

The Fund did not hold Level 2 or Level 3 investments at any time during the fiscal year ended November 30, 2016. There were no transfers into and out of all Levels during the current period presented. It is the Fund's policy to record transfers between all Levels as of the end of the reporting period.

The inputs or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities.

These inputs are summarized in the three broad levels that follow.

4. Concentrations of Risk

The Fund's investment objective is to seek to generate total return. The Fund seeks to achieve its investment objective by investing, under normal market conditions, at least 80% of its net assets, plus any borrowings for investment purposes, in MLP interests.

5. Agreements and Related Party Transactions

The Trust has entered into an Investment Advisory Agreement (the "Agreement") with Chickasaw Capital Management, LLC (the "Adviser"). Under the terms of the Agreement, the Fund pays the Adviser a fee, payable at the end of each calendar month, at an annual rate equal to 1.25% of the average daily net assets of the Fund.

The Adviser has agreed to waive its advisory fee and/or reimburse certain operating expenses of the Fund, until at least March 31, 2018, but only to the extent necessary so that the Fund's total annual expenses, excluding brokerage fees and commissions; borrowing costs (such as (a) interest and (b) dividend expenses on securities sold short); taxes, including deferred income tax expense/(benefit) and franchise taxes; any indirect expenses, such as acquired fund fees and expenses; Class A 12b-1 fees, Class C 12b-1 fees, and extraordinary expenses, do not exceed 1.50% of the average daily net assets of each class of the Fund. Any payment by the Adviser of the Fund's operating, organizational and offering expenses are subject to repayment by the Fund in the three fiscal years following the fiscal year in which the payment was made; provided that the Fund is able to make the repayment without exceeding the 1.50% expense limitation.

Waived fees and reimbursed Fund expenses, including prior year expenses, are subject to potential recoupment by year of expiration. During the fiscal year ended November 30, 2016, the Fund did not waive or recoup expenses. At November 30, 2016, there were no prior year amounts subject to potential recoupment.

Certain Trustees and Officers of the Trust/Fund are also Officers of the Adviser.

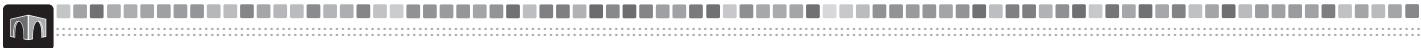
The Fund has engaged Vigilant Compliance, LLC ("Vigilant") to provide compliance services including the appointment of the Fund's Chief Compliance Officer. Effective October 1, 2015, the Fund pays Vigilant a monthly fee of \$4,728 for net assets between \$1.0 billion and \$1.7 billion, \$5,228 for net assets between \$1.7 billion and \$2.0 billion, \$5,728 for net assets between \$2.0 billion and \$2.5 billion, and \$6,000 for net assets above \$2.5 billion.

The Fund has entered into a Rule 12b-1 distribution agreement with Quasar Distributors, LLC ("Quasar"). Class A shareholders pay Rule 12b-1 fees at the annual rate of 0.25% of average daily net assets. Class C shareholders pay Rule 12b-1 fees at the annual rate of 1.00% of average daily net assets. For the year ended November 30, 2016, 12b-1 distribution expenses of \$466,548 and \$544,085 were accrued by Class A and Class C shares, respectively.

The Fund has engaged U.S. Bancorp Fund Services, LLC to serve as the Fund's administrator. The Fund pays the administrator a monthly fee computed at an annual rate of 0.10% of the first \$75,000,000 of the Fund's average daily net assets, 0.08% on the next \$250,000,000 of average daily net assets and 0.05% on the balance of the Fund's average daily net assets, with a minimum annual fee of \$64,000, imposed upon the Fund reaching certain asset levels.

U.S. Bancorp Fund Services, LLC serves as the Fund's transfer agent, dividend paying agent, and agent for the automatic dividend reinvestment plan. The Fund pays the transfer agent a \$45,000 flat fee, imposed upon the Fund reaching certain asset levels, plus transaction and other out-of-pocket charges.

U.S. Bank, N.A. serves as the Fund's custodian. The Fund pays the custodian a monthly fee computed at an annual rate of 0.0075% of the first \$250 million of market value and 0.0050% of the balance, with a minimum annual fee of \$4,800, imposed upon Fund reaching certain asset levels, plus transaction and other out-of-pocket charges.



6. Income Taxes

Deferred income taxes reflect the net tax effects of temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the amounts used for income tax purposes. Such temporary differences are principally: (i) taxes on unrealized gains/(losses), which are attributable to the temporary difference between fair market value and tax basis, (ii) the net tax effects of temporary differences between the carrying amounts of assets and liabilities for financial reporting and income tax purposes and (iii) the net tax benefit of accumulated net operating losses and capital loss carryforwards. Deferred tax assets and liabilities are measured using effective tax rates expected to apply to taxable income in the years such temporary differences are realized or otherwise settled. To the extent the Fund has a deferred tax asset, consideration is given to whether or not a valuation allowance is required. A valuation allowance is required if, based on the evaluation criterion provided by ASC 740, Income Taxes (ASC 740), it is more likely-than-not some portion or all of the deferred tax asset will not be realized. Among the factors considered in assessing the Fund's valuation allowance are: the nature, frequency and severity of current and cumulative losses, forecasts of future profitability, the duration of the statutory carryforward periods, significant redemptions, and the associated risks that operating and capital loss carryforwards may expire unused.

At November 30, 2016, the Fund determined a valuation allowance was required.

Changes to the factors considered in assessing the Fund's valuation allowance may result in the Fund revising its position as to the recoverability of its deferred tax assets which may result in a change to the valuation allowance at a later date.

Components of the Fund's deferred tax assets and liabilities as of November 30, 2016, are as follows:

Deferred tax assets:

Net operating loss carryforward (tax basis)	\$33,843,432
Capital loss carryforward (tax basis)	67,648,062
Other	88,339
Total deferred tax assets	101,579,883
Valuation allowance	(17,071,000)

Less: Deferred tax liabilities:

Unrealized gains on investment securities (tax basis) – net	(84,508,833)
Net deferred tax asset	\$—

The net operating loss carryforward is available to offset future taxable income. The Fund has the following net operating loss and capital loss carryforward amounts:

Fiscal Year Ended Net Operating Loss	Amount	Expiration
November 30, 2012	\$782,951	November 30, 2032
November 30, 2013	1,530,154	November 30, 2033
November 30, 2014	7,977,319	November 30, 2034
November 30, 2015	39,877,539	November 30, 2035
November 30, 2016	39,842,374	November 30, 2036
Total Fiscal Year Ended Net Operating Loss	\$90,010,337	

Fiscal Year Ended Net Capital Loss	Amount	Expiration
November 30, 2015	\$16,220,624	November 30, 2020
November 30, 2016	\$167,293,014	November 30, 2021
Total Fiscal Year Ended Net Capital Loss	\$183,513,638	

For corporations, capital losses can only be used to offset capital gains and cannot be used to offset ordinary income. The capital loss may be carried forward for 5 years and, accordingly, would begin to expire as of November 30, 2020. The net operating loss can be carried forward for 20 years and, accordingly, would begin to expire as of November 30, 2032.

Total income tax expense (current and deferred) differs from the amount computed by applying the federal statutory income tax rate of 35% to net investment income and realized and unrealized gains (losses) on investments before taxes for the year ended November 30 2016, as follows:

Total Tax Expense (Benefit)	Amount	Rate
Tax Expense (Benefit) at Statutory Rates	\$78,528,999	35.00%
State Income Tax Expense (Benefit) (Net of Federal Benefit)	4,185,259	1.87%
Tax Expense (Benefit) on Permanent Items ⁽¹⁾	(3,580,004)	(1.60)%
Other	(1,390,013)	(0.62)%
Change in Valuation Allowance	(77,744,241)	(34.65)%
Total Tax Expense (Benefit)	\$—	0.00%

(1) Permanent Items are made up of dividends received deductions.

At November 30, 2016, the Fund did not have a current tax expense or benefit due to the use of a valuation allowance.

At November 30, 2016, the tax cost basis of investments was \$1,578,441,169 and gross unrealized appreciation and depreciation of investments for federal income tax purposes were as follows:

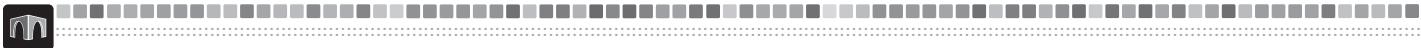
Gross unrealized appreciation	\$268,570,892
Gross unrealized depreciation	(40,883,693)
Net unrealized appreciation	\$227,687,199

The differences between book-basis and tax-basis unrealized appreciation (depreciation) are primarily due to timing differences of income recognition from the MLP investments and wash sales on security transactions.

The Fund recognizes the tax benefits of uncertain tax positions only where the position is “more likely than not” to be sustained assuming examination by tax authorities. Management has analyzed the Fund’s tax positions, and has concluded that no liability for unrecognized tax benefits should be recorded related to uncertain tax positions taken on U.S. tax returns and state tax returns filed or expected to be filed since inception of the Fund. No income tax returns are currently under examination. The tax years since 2013 remain subject to examination by the tax authorities in the United States. Due to the nature of the Fund’s investments, the Fund may be required to file income tax returns in several states. The Fund is not aware of any tax positions for which it is reasonably possible that the total amounts of unrecognized tax benefits will change materially in the next 12 months.

7. Investment Transactions

For the year ended November 30, 2016, the Fund purchased (at cost) and sold securities (proceeds) in the amount of \$792,371,409 and \$344,124,928 (excluding short-term securities), respectively.



8. Share Transactions

Transactions of shares of the Fund were as follows:

	Year Ended November 30, 2016		Year Ended November 30, 2015	
Class A Shares	Amount	Shares	Amount	Shares
Sold	\$127,564,990	14,915,589	\$180,259,055	15,570,672
Dividends Reinvested	10,840,469	1,240,638	8,119,785	695,064
Redeemed	(125,667,685)	(14,882,635)	(106,939,734)	(9,487,616)
Net Increase	\$12,737,774	1,273,592	\$81,439,106	6,778,120
	Year Ended November 30, 2016		Year Ended November 30, 2015	
Class C Shares	Amount	Shares	Amount	Shares
Sold	\$27,527,182	3,260,838	\$35,377,953	3,017,666
Dividends Reinvested	3,557,419	410,210	1,808,567	157,394
Redeemed	(12,102,273)	(1,389,568)	(6,159,498)	(545,900)
Net Increase	\$18,982,328	2,281,480	\$31,027,022	2,629,160
	Year Ended November 30, 2016		Year Ended November 30, 2015	
Class I Shares	Amount	Shares	Amount	Shares
Sold	\$954,252,335	110,446,868	\$936,640,118	78,991,847
Dividends Reinvested	66,697,443	7,493,757	45,195,248	3,836,453
Redeemed	(614,563,099)	(72,523,981)	(493,384,239)	(42,762,076)
Net Increase	\$406,386,679	45,416,644	\$488,451,127	40,066,224

9. Subsequent Events

The Fund has adopted standards which establish general standards of accounting for disclosure of events that occur after the Statement of Assets and Liabilities date, but before the financial statements are issued. The Fund has performed an evaluation of subsequent events through the date the financial statements were issued.

On January 24, 2017 the Fund declared a distribution payable of \$0.1575 per share, to Class A shareholders, Class C shareholders, and Class I shareholders of record on January 23, 2017, and payable on January 25, 2017.



Report of Independent Registered Public Accounting Firm

To the Shareholders of MainGate MLP Fund and
Board of Trustees of MainGate Trust

We have audited the accompanying statement of assets and liabilities, including the schedule of investments, of MainGate MLP Fund (the “Fund”), a series of MainGate Trust, as of November 30, 2016, and the related statement of operations for the year then ended, the statements of changes in net assets for each of the two years in the period then ended, and the financial highlights for each of the five years in the period then ended. These financial statements and financial highlights are the responsibility of the Fund’s management. Our responsibility is to express an opinion on these financial statements and financial highlights based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements and financial highlights are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. Our procedures included confirmation of securities owned as of November 30, 2016, by correspondence with the custodian and brokers. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

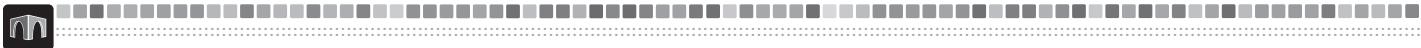
In our opinion, the financial statements and financial highlights referred to above present fairly, in all material respects, the financial position of MainGate MLP Fund as of November 30, 2016, the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period then ended, and the financial highlights for each of the five years in the period then ended, in conformity with accounting principles generally accepted in the United States of America.

Cohen & Company

COHEN & COMPANY, LTD.

Cleveland, Ohio

January 26, 2017



Trustees & Officers

November 30, 2016 | unaudited

Set forth below is information with respect to each of the Trustees and Officers of the Fund, including their principal occupation during the past five years. The business address of the Fund, its Trustees and Officers is 6075 Poplar Ave., Suite 720, Memphis, TN 38119.

Name and Age	Position(s) with Trust, Term of Office and Length of Time Served	Principal Occupation(s) During Past Five Years	Number of Portfolios in Fund Complex Overseen by Trustee	Other Directorships Held by Trustee During Past Five Years
Independent Trustees				
Robert A. Reed Age: 50	Lead Independent Trustee since January 2011	President, CEO and founder, ABC Polymer Industries, LLC since 1994	1	Director, Oakworth Capital Bank since 2008; Director, Robert E. Reed Gastrointestinal Oncology Research Foundation, 2001-present; Member of the Young Presidents Organization International, 2010; Member, Society of International Business Fellows, 1999-present
Darrison N. Wharton Age: 45	Independent Trustee since January 2011	Assistant Vice President and Client Advocate, Willis Towers Watson/Willis of Tennessee, Inc. in Memphis, TN since 2005	1	Board member, Goodwill Club of the Boys and Girls Clubs of Greater Memphis since 2009; President, Phoenix Club, a non-profit group dedicated to raising money for the Boys and Girls Clubs of Greater Memphis from 2006-2007
David C. Burns, CPA Age: 55	Independent Trustee and Chairman of the Audit Committee since January 2011	Partner and cofounder, Cross Keys Capital, LLC since 2004; Managing Director and Principal, Sundial Group, LLC since April 2012	1	Board member, Ryan Taylor & Co. since 2002; Board member, The Haven since 2007; Board member, MountainSide Holdings since 2011
Marshall K. Gramm Age: 43	Independent Trustee since January 2011	Associate Professor of Economics, Rhodes College, 2006-present	1	None
Barry Samuels, CPA Age: 51	Independent Trustee since January 2011	Private investor, 2009 to present; Director-Private Wealth Management, Deutsche Bank, 2003 to 2009	1	None
Moss W. Davis Age: 54	Independent Trustee and Chairman of the Pricing Committee since January 2011	Managing Director and head of Atlanta, GA office, Midtown Consulting Group, 2012 to present; President and Founder, Fairview Consulting Group, 2008 to 2012; Vice President, Experient Group, Consulting and Staffing Firm, 2005 to 2008	1	None
Interested Trustees and Officers				
Matthew G. Mead ⁽¹⁾ Age: 49	Interested Trustee, President and Chief Executive Officer since January 2011	Principal, Chickasaw Capital Management, LLC since 2003; President, Chickasaw Securities	1	Director, Oakworth Capital Bank; Director, AGRI, Inc.
Geoffrey Mavar ⁽¹⁾ Age: 54	Chairman of the Board, Interested Trustee, Treasurer and Chief Financial Officer since January 2011	Principal, Chickasaw Capital Management, LLC since 2003; Chief Financial Officer, Chickasaw Securities	1	None
Gerard Scarpati Age: 61	Chief Compliance Officer since April 2013	Compliance Director, Vigilant Compliance, LLC , 2010 to present; Independent Consultant to the Securities Industry, 2004 to 2010	1	None
Salvatore Faia Age: 54	Assistant Compliance Officer since April 2013; Chief Compliance Officer from January 2011 to April 2013	President, Vigilant Compliance, LLC	1	Trustee, EIP Growth & Income Fund

(1) This person's status as an "interested" Trustee arises from his affiliation with the Adviser.

Additional Information

November 30, 2016 | unaudited

Trustee and Officer Compensation

The Fund does not compensate any of its trustees who are interested persons nor any of its officers. For the year ended November 30, 2016, the aggregate compensation paid by the Fund to the independent trustees was \$60,000. The Fund did not pay any special compensation to any of its trustees or officers. The Fund's Statement of Additional Information includes additional information about the trustees and is available on the Fund's Web site at www.maingatefunds.com or the SEC's Web site at www.sec.gov.

Cautionary Note Regarding Forward-Looking Statements

This report contains "forward-looking statements" as defined under the U.S. federal securities laws. Generally, the words "believe," "expect," "intend," "estimate," "anticipate," "project," "will" and similar expressions identify forward-looking statements, which generally are not historical in nature. Forward-looking statements are subject to certain risks and uncertainties that could cause actual results to materially differ from the Fund's historical experience and its present expectations or projections indicated in any forward-looking statements. These risks include, but are not limited to, changes in economic and political conditions; regulatory and legal changes; MLP industry risk; concentration risk; energy sector risk; commodities risk; MLP and other tax risks, such as deferred tax assets and liabilities risk; and other risks discussed in the Fund's filings with the SEC. You should not place undue reliance on forward-looking statements, which speak only as of the date they are made. The Fund undertakes no obligation to update or revise any forward-looking statements made herein. There is no assurance that the Fund's investment objectives will be attained.

Proxy Voting Policies

A description of the policies and procedures that the Fund uses to determine how to vote proxies relating to portfolio securities owned by the Fund and information regarding how the Fund voted proxies relating to the portfolio of securities during the most recent 12-month period ended June 30 is available to shareholders without charge by visiting the SEC's Web site at www.sec.gov.

Form N-Q

The Fund files its complete schedule of portfolio holdings for the first and third quarters of each fiscal year with the SEC on Form N-Q. The Fund's Form N-Q and statement of additional information are available without charge by visiting the SEC's Web site at www.sec.gov. In addition, you may review and copy the Fund's Form N-Q at the SEC's Public Reference Room in Washington D.C. You may obtain information on the operation of the Public Reference Room by calling (800) SEC-0330.

Householding

In an effort to decrease costs, the Fund intends to reduce the number of duplicate prospectuses, annual and semi-annual reports, proxy statements and other similar documents you receive by sending only one copy of each to those addresses shared by two or more accounts and to shareholders that the Transfer Agent reasonably believes are from the same family or household. Once implemented, if you would like to discontinue householding for your accounts, please call toll-free at 855.MLP.FUND (855.657.3863) to request individual copies of these documents. Once the Transfer Agent receives notice to stop householding, the Transfer Agent will begin sending individual copies thirty days after receiving your request. This policy does not apply to account statements.



Privacy Policy

The following is a description of the Fund's policies regarding disclosure of nonpublic personal information that you provide to the Fund or that the Fund collects from other sources. In the event that you hold shares of the Fund through a broker-dealer or other financial intermediary, the privacy policy of your financial intermediary would govern how your nonpublic personal information would be shared with nonaffiliated third parties.

Categories of Information the Fund Collects. The Fund collects the following nonpublic personal information about you:

- Information the Fund receives from you on applications or other forms, correspondence, or conversations (such as your name, address, phone number, social security number, and date of birth); and
- Information about your transactions with the Fund, its affiliates, or others (such as your account number and balance, payment history, cost basis information, and other financial information).

Categories of Information the Fund Discloses. The Fund does not disclose any nonpublic personal information about its current or former shareholders to unaffiliated third parties, except as required or permitted by law. The Fund is permitted by law to disclose all of the information it collects, as described above, to service providers (such as the Fund's custodian, administrator, transfer agent, accountant and legal counsel) to process your transactions and otherwise provide services to you.

Confidentiality and Security. The Fund restricts access to your nonpublic personal information to those persons who require such information to provide products or services to you. The Fund maintains physical, electronic, and procedural safeguards that comply with federal standards to guard your nonpublic personal information.

Disposal of Information. The Fund, through its transfer agent, has taken steps to reasonably ensure that the privacy of your nonpublic personal information is maintained at all times, including in connection with the disposal of information that is no longer required to be maintained by the Fund. Such steps shall include, whenever possible, shredding paper documents and records prior to disposal, requiring off-site storage vendors to shred documents maintained in such locations prior to disposal, and erasing and/or obliterating any data contained on electronic media in such a manner that the information can no longer be read or reconstructed.



Fund Service Providers

November 30, 2016

Board of Trustees

Geoffrey P. Mavar*, *Chairman of the Board*
Robert A. Reed, *Lead Independent Trustee*
David C. Burns, *Independent Trustee*
Moss W. Davis, *Independent Trustee*
Marshall K. Gramm, *Independent Trustee*
Matthew G. Mead*, *Interested Trustee*
Barry A. Samuels, *Independent Trustee*
Darrison N. Wharton, *Independent Trustee*

Officers

Matthew G. Mead*, *President and Chief Executive Officer*
Geoffrey P. Mavar*, *Treasurer and Chief Financial Officer*
Gerard Scarpati, *Chief Compliance Officer*
Debra McAdoo*, *Secretary*

Investment Adviser

Chickasaw Capital Management, LLC
6075 Poplar Avenue, Suite 720, Memphis, TN 38119

Distributor

Quasar Distributors, LLC
615 East Michigan Street, Milwaukee, WI 53202

Custodian

U.S. Bank, N.A.
1555 N. River Center Drive, Suite 302, Milwaukee, WI 53212

Transfer Agent

U.S. Bancorp Fund Services, LLC
615 East Michigan Street, 3rd Floor, Milwaukee, WI 53202

Administrator

U.S. Bancorp Fund Services, LLC
777 East Wisconsin Street, 5th Floor, Milwaukee, WI 53202

Legal Counsel

Thompson Coburn LLP
One U.S. Bank Plaza, St. Louis, MO 63101

Independent Registered Public Accounting Firm

Cohen & Company, Ltd.
1350 Euclid Avenue, Suite 800, Cleveland, OH 44115

*Employed by Chickasaw Capital Management, LLC.



Access to MLPs with the convenience of a Mutual Fund

For customer service and Fund transactions...

855.657.3863

For news, research and more Fund information...

maingatefunds.com