

Guggenheim Funds Annual Report

Fiduciary/Claymore MLP Opportunity Fund

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INFORMATION ABOUT THE FIDUCIARY/CLAYMORE MLP
OPPORTUNITY FUND

The shareholder report you are reading right now is just the beginning of the story. Online at guggenheiminvestments.com/fmo, you will find:

- Daily, weekly and monthly data on share prices, distributions, dividends and more
- Portfolio overviews and performance analyses
- Announcements, press releases and special notices
- Fund and adviser contact information

Advisory Research, Inc. and Guggenheim Funds Investment Advisors, LLC are constantly updating and expanding shareholder information services on the Fund's website in an ongoing effort to provide you with the most current information about how your Fund's assets are managed and the results of our efforts. It is just one more small way we are working to keep you better informed about your investment in the Fund.

DEAR SHAREHOLDER

We thank you for your investment in the Fiduciary/Claymore MLP Opportunity Fund (the “Fund”). This report covers the Fund’s performance for the annual fiscal period ended November 30, 2017.

The Fund’s investment objective is to provide a high level of after-tax total return with an emphasis on current distributions paid to shareholders. The total return sought by the Fund includes appreciation in the net asset value of the Fund’s common shares and all distributions made by the Fund to its common shareholders, regardless of the tax characterization of such distributions. Under normal market conditions, the Fund invests at least 80% of its managed assets in master limited partnerships (“MLPs”) and affiliates of MLPs that own primary interests in an MLP.

All Fund returns cited—whether based on net asset value (“NAV”) or market price—assume the reinvestment of all distributions. For the twelve-month period ended November 30, 2017, the Fund provided a total return based on market price of -14.68% and a total return based on NAV of -10.38%. The closing price of the Fund’s shares as of November 30, 2017, was \$11.12, representing a 4.39% discount to the NAV of \$11.63.

Past performance is not a guarantee of future results. NAV performance data quoted reflects the total net expense ratio, which includes net operating expenses, interest expense and current and deferred tax expense/(benefit). The market price of the Fund’s shares fluctuates from time to time, and may be higher or lower than the Fund’s NAV.

The Fund paid four quarterly distributions per common share during the period. Each distribution was \$0.4308. The latest distribution represents an annualized distribution rate of 15.50% based on the Fund’s closing market price of \$11.12 on November 30, 2017. Please see Note 2(c) on page 26 for more information on distributions for the period.

Guggenheim Funds Investment Advisors, LLC (“GFIA”) serves as the investment adviser to the Fund. GFIA is a subsidiary of Guggenheim Partners, LLC, a global diversified financial services firm with more than \$260 billion in assets under management as of November 30, 2017.

Advisory Research, Inc. (“ARI”) is the Sub-Adviser of the Fund (“Sub-Adviser”) and a wholly-owned subsidiary of Piper Jaffray Companies.

Under the Fund’s Automatic Dividend Reinvestment Plan (the “Plan”), a shareholder whose Common Shares are registered in his or her own name will have all distributions reinvested automatically unless the shareholder elects to receive cash. Distributions with respect to Common Shares registered in the name of a broker-dealer or other nominee (that is, in “street name”) will be reinvested by the broker or nominee in additional Common Shares under the Plan, unless the service is not provided by the broker or nominee or the shareholder elects to receive distributions in cash. The Plan is described in detail on page 41 of this report. When shares trade at a discount to NAV, the Plan takes advantage of the discount by reinvesting the quarterly dividend distribution in common shares of the Fund purchased in the market at a price less than NAV. Conversely, when the market price of the Fund’s common shares is at a premium above NAV, the Plan reinvests participants’ dividends in newly-issued common shares at the

greater of NAV per share or 95% of the market price per share. The Plan provides a cost-effective means to accumulate additional shares and enjoy the benefits of compounding returns over time.

To learn more about the Fund's performance and investment strategy, we encourage you to read the Questions & Answers section of this report, which begins on page 5 of this report. You'll find information on ARI's investment philosophy, its views on the economy and market environment, and detailed information about the factors that impacted the Fund's performance.

We appreciate your investment and look forward to serving your investment needs in the future. For the most up-to-date information on your investment, please visit the Fund's website at guggenheiminvestments.com/fmo.

Sincerely,

Guggenheim Funds Investment Advisors, LLC

December 31, 2017

The Fiduciary/Claymore MLP Opportunity Fund (the “Fund”) is managed by Advisory Research, Inc. (“ARI”), a wholly owned subsidiary of Piper Jaffray Companies. In the following interview, Portfolio Managers James J. Cunnane, Jr., CFA, and Quinn T. Kiley discuss the Fund’s performance for the annual fiscal period ended November 30, 2017.

Describe the Fund’s objective and investment strategy.

The Fund’s investment objective is to provide a high level of after-tax total return with an emphasis on current distributions paid to shareholders. The total return sought by the Fund includes appreciation in the net asset value (“NAV”) of the Fund’s common shares and all distributions made by the Fund to its common shareholders, regardless of the tax characterization of such distributions. The Fund has been structured to seek to provide an efficient vehicle through which its shareholders may invest in a portfolio of primarily publicly traded securities of master limited partnerships (“MLPs”) and related entities. MLPs combine the tax benefits of limited partnerships with the liquidity of publicly traded securities.

The Fund anticipates that a significant portion of the distributions received by the Fund from the MLPs in which it invests will consist of return of capital. If this expectation is not realized, the Fund will have a larger corporate income tax expense sooner than expected, which will result in less cash available to distribute to common shareholders. Moreover, although MLP distributions that are treated as returns of capital are generally not taxable to the Fund to that extent, returns of capital reduce the Fund’s tax basis in its investments, resulting in potential increased gains (or decreased losses) upon dispositions of the investments. While the Fund will generally seek to maximize the portion of the Fund’s distribution to common shareholders that will consist of return of capital, no assurance can be given in this regard.

Under normal market conditions, the Fund invests at least 80% of its managed assets in MLPs and affiliates of MLPs that own primary interests in an MLP (collectively “MLP entities”) and at least 65% in equity securities of MLP entities. A substantial portion of the MLP entities in which the Fund invests are engaged primarily in the energy, natural resources and real estate sectors of the economy. The Fund may invest up to 40% of its managed assets in unregistered or otherwise restricted securities, including up to 20% of its managed assets in securities issued by non-public companies. The Fund may invest a total of up to 25% of its managed assets in debt securities of MLP entities and non-MLP entity issuers, including securities rated below investment grade. The Fund may also invest in common stock of large capitalization companies, including companies engaged primarily in such sectors. To seek to generate current gains, the Fund may employ an option strategy of writing (selling) covered call options on common stocks held in the Fund’s portfolio.

The Fund is authorized to implement hedging strategies. ARI, on behalf of the Fund, may determine from time to time whether and when to implement hedging strategies. In particular, ARI may seek to protect the Fund against significant drops in market prices of MLPs when valuation models indicate that the MLP asset class may be overvalued, after considering the cost of hedging. In such circumstances, the Fund may implement hedging techniques such as purchasing put options on a

portion of its portfolio. This strategy may enable the Fund to participate in potential price appreciation while providing some protection against falling prices, although it will also cause the Fund to incur the expense of acquiring the put options. There were no hedging strategies in place as of November 30, 2017.

Discuss changes to the Fund's use of leverage during the period.

The Board of Trustees of the Fund approved the use of leverage through reverse repurchase agreements at its February 2016 Board meeting. Previously, the Fund was permitted to utilize leverage through the issuance of preferred shares, through borrowing or the issuance of commercial paper or other forms of debt. The use of leverage through reverse repurchase agreements for a portion of the Fund's leverage financing provides for increased leverage flexibility to take advantage of investment opportunities, subject to the leverage limitations imposed by the Investment Company Act of 1940, as amended (the "1940 Act"). At period end, the Fund was using leverage through reverse repurchase agreements and through a line of credit with BNP Paribas. As of November 30, 2017, the Fund had \$110 million outstanding in connection with the reverse repurchase agreement and \$118 million outstanding in connection with the line of credit. The Fund pays interest on the amount borrowed on the line of credit at a rate of 3-month LIBOR plus 95 basis points (2.44%, as of November 30, 2017). The Fund pays interest on the outstanding reverse repurchase agreement at a rate of 1-month LIBOR plus 115 basis points (2.52% as of November 30, 2017).

As of November 30, 2017, the Fund's leverage was 35.7% of managed assets. Leverage had a negative impact to performance for the one year ended November 30, 2017.

The purpose of leverage is to fund the purchase of additional securities that provide increased distributions and potentially greater appreciation to common shareholders than could be achieved from an unlevered portfolio. Of course, leverage results in greater NAV volatility and may entail more downside risk than an unlevered portfolio.

Reverse repurchase agreements involve the risks that the total return earned on the investment of the proceeds will be less than the interest expense and Fund expenses associated with the repurchase agreement, that the market value of the securities sold by the Fund may decline below the price at which the Fund is obligated to repurchase such securities and that the securities may not be returned to the Fund.

How would you describe the master limited partnership market over the twelve-month period ended November 30, 2017?

In 2017 the U.S. economy began to accelerate, with gross domestic product growing 3.3% in the third quarter and 3.1% in the second quarter. Accordingly, corporate profits have accelerated as well, growing 4.3% in the third quarter after meager growth of 0.7% in the second quarter. Whether this growth rate

will continue is unknown, but these data positively influenced the equity markets, with the S&P 500 Index posting gains of 22.9% for the year ended November 30, 2017. Despite this broader economic and equity market strength, MLPs, as measured by the Alerian MLP Index (the “Index”) returned -6.8% during the same period.

Strong economic activity drove prices for West Texas Intermediate crude oil up 16.1% for the period. Energy equities did not follow suit, with energy equities in the S&P 500 Index posting a -4.2% return and the Index losing 6.8% over the same period. A closely watched indicator of the health of the energy industry is the active rig count, which was up 36% and 44% for natural gas and crude oil, respectively. This disconnect between improving fundamentals and equity prices may reflect investor exhaustion with the energy industry. As companies in the space recalibrate what exactly investors want, either a focus on growth in oil and gas production or for companies to live within cash flows, those investors were content to sit on the sideline. Although early in the year we saw some flows into actively managed MLP products, as crude oil set an annual low in June, those inflows turned into outflows as the year progressed. Overall flows into MLP products, including passive vehicles, were down 10.4% on a year-over-year basis.

Improving fundamentals and poor security performance is a frustrating set of facts to swallow at year end. As a result, there has been significant tax loss selling occurring in the MLP market, as losses are difficult to find in other areas of the market. As this selling pressure abates, we are seeing increasing investor interest in MLPs from institutions and retail investors. While we believe the table is set for strong returns in 2018, it will require these investors to be more than interested and actually put money to work. As the calendar year came to an end, we saw some positive fund flows into MLP products. If this continues into the New Year we think it likely that 2018 will be a mean reversion year and MLPs may outperform.

How did the Fund perform in this market environment?

All Fund returns cited—whether based on NAV or market price—assume the reinvestment of all distributions. For the twelve-month period ended November 30, 2017, the Fund provided a total return based on market price of -14.68% and a total return based on NAV of -10.38%. The closing price of the Fund’s shares as of November 30, 2017, was \$11.12, representing a 4.39% discount to the NAV of \$11.63. The closing price of the Fund’s shares as of November 30, 2016, was \$14.82, representing a premium of 0.41% to the NAV of \$14.76.

Past performance is not a guarantee of future results. NAV performance data quoted reflects the total net expense ratio, which includes net operating expenses, interest expense and current and deferred tax expense/(benefit). The market price of the Fund’s shares fluctuates from time to time, and may be higher or lower than the Fund’s NAV.

It is important to remember that the Fund is a taxable entity—meaning it recognizes either a deferred tax liability on realized and unrealized portfolio gains or a deferred tax benefit on realized and unrealized portfolio losses. This accounting treatment of the tax impact of gains and losses in the portfolio is intended to ensure that the Fund’s NAV reflects the net after-tax value of the Fund’s portfolio. As of November 30, 2017, the Fund’s NAV included a net deferred tax liability of \$80.5 million, or \$2.28 per share.

What is the expected impact of the tax legislation approved in December 2017, after the period end?

The Tax Cuts and Jobs Act (“The Act”) was signed into law on December 22, 2017. The Act provides for major changes across industries. Those most relevant to the Fund include the reduction of the statutory U.S. federal income tax rate applicable to corporations from 35% to 21%, and the ability for companies to expense 100% of their annual capital investments for the next five years.

Because of the Fund’s concentration in MLP investments, the Fund is not eligible to be treated as a “regulated investment company” under the Internal Revenue Code of 1986, as amended. Instead, the Fund is treated as a regular corporation for U.S. federal income tax purposes and, as a result, unlike most investment companies, is subject to corporate income tax to the extent the Fund recognizes taxable income.

The Fund accrues a deferred income tax liability, at an assumed federal, state and local income tax rate, for its future tax liability associated with the capital appreciation of its investments and the distributions received by the Fund on equity securities of MLPs considered to be return of capital. Any deferred tax liability will reduce the Fund’s net asset value. The Fund’s deferred tax liability is estimated using the effective tax rates in years in which income is expected to be realized for tax purposes.

A reduced tax rate results in a reduction of the net deferred tax liability and conversely an increase to the NAV. This impact was reflected in the Fund’s NAV once The Act was signed into law. Any current tax liability will be calculated using a reduced blended rate for the upcoming fiscal year ending November 30, 2018 and subject to the 21% rate thereafter.

Furthermore, the new legislation allows companies to expense 100% of their annual capital investments for the next five years. This could potentially have a meaningful impact to the MLP’s in which the Fund invests.

Upon the sale of an equity security in an MLP, the Fund generally will be liable for any previously deferred taxes. No assurance can be given that such taxes will not exceed the Fund’s deferred tax assumptions for purposes of computing the Fund’s NAV, which would result in an immediate reduction of the Fund’s NAV. For purposes of estimating the Fund’s deferred tax liability for financial statement reporting and determining its net asset value, the Fund is required to rely, to some extent, on information provided by the MLPs in which it invests. Such information may not be received in a timely manner, with the result that the Fund’s estimates regarding its deferred tax liability could vary dramatically from the Fund’s actual tax liability and, as a result, the determination of the Fund’s actual tax liability may have a material impact on the Fund’s NAV.

From time to time, the Fund may modify its estimates or assumptions regarding its deferred tax liability and/or asset as new information becomes available. Modifications of such estimates or assumptions or changes in applicable tax law could result in increases or decreases in the Fund's NAV, which could be material.

The long term impact of The Act on the Fund, issuers in which the Fund may invest and the economy and securities markets of the United States is not yet certain.

Please tell us about the Fund's distributions.

The Fund paid four quarterly distributions per common share during the period. Each distribution was \$0.4308. The latest distribution represents an annualized distribution rate of 15.50% based on the Fund's closing market price of \$11.12 on November 30, 2017. Please see Note 2(c) on page 26 for more information on distributions for the period. This level of quarterly distribution is the same as the distribution from one year ago.

As of November 30, 2017, the Fund had distributed \$19.12051 per common share to its shareholders since the Fund's inception in 2004. Approximately \$11.69363 per common share or 61% of these distributions were considered non-dividend distributions, also known as return of capital, and \$7.42688 per common share or 39% of these distributions were considered ordinary dividends for U.S. federal income tax purposes. For the year ended November 30, 2017, 100% of the distributions were characterized as return of capital. The final determination of the tax character of the distributions paid by the Fund in 2017 will be reported to shareholders in January 2018.

The Fund, ARI and Guggenheim Funds Investment Advisors, LLC do not provide tax advice. Investors should consult their tax advisor for further information.

How was the Fund's portfolio positioned during the twelve-month period ended November 30, 2017, and what has that meant for performance?

The Fund was fully invested, levered, and unhedged in the twelve-month reporting period. The Fund's portfolio benefited from a series of trades buying a higher-yielding, lower-growth portfolio during the prior period ended November 30, 2016. This positioning reversed in the current reporting period, as higher-growth MLPs outperformed.

The Fund's portfolio performance, prior to the impact of leverage and taxes, underperformed the Index for the twelve months ended November 30, 2017. The Fund continues to be invested primarily in midstream energy infrastructure, which includes various subsectors such as those related to moving crude oil and natural gas from the wellhead to the refineries and processors and then to market. Our biggest sector overweight as of November 30, 2017, was to the Gathering & Processing sector. These MLPs are closer to the producing wellheads, which gives them upside exposure to the production growth we expect to continue in 2018. Further, these MLPs remove natural gas liquids from the gas they process and send them to end users. Today, that demand is driven by new and growing petrochemical activity and growing export demand for these products.

The Fund did not participate in any initial public offerings of an MLP for the twelve month period ended November 30, 2017, although the IPO market for MLPs was open and four transactions occurred.

What were some of the leading contributors to and detractors from performance?

Overweight positions in DCP Midstream LP and Williams Partners LP were top contributors to the Fund's performance relative to the Index. Both of these issuers benefited from increased volumes of natural gas and natural gas liquids produced during the year and increased demand for these products domestically and abroad.

Additionally, being underweight Energy Transfer Partners LP (ETP) added to relative performance, as this issuer underperformed during the period. ETP has been through a series of corporate restructurings and dividend policy changes in the past two years, and as result it has traded poorly.

The Fund had overweight exposures to the two equities associated with Enbridge Energy Partners LP, which detracted from relative performance. These Enbridge entities surprised the market with distribution cuts during the year, and materially underperformed as a result. The Fund continues to own these positions despite recent performance because the entities' distributions seem more certain going forward.

The Fund was significantly underweight Enterprise Products Partners LP, the largest Index constituent during the period. The Index changed its rules in 2017, and all holdings were capped at ten percent of the Index weight. Enterprise had constituted more than 20% of the Index prior to this change.

What is the current outlook for the MLP market?

Despite continued price weakness for equities in the energy sector, we believe the underlying fundamentals are meaningfully stronger than the equity market would suggest. We see evidence of this in oil and gas production numbers, commodity prices, and perhaps most importantly in the prices of energy bonds. The Bloomberg Barclay's High-Yield Energy Index is up 10.4% for the year ended November 30, 2017. Given overall strength in the market for other sectors, we believe that energy equities are ripe for tax loss selling, and we are seeing strong evidence of that. We are not alone in observing this trend, and that presents an opportunity to short the group. Typically, this selling pressure abates in the middle of December and the group moves higher. This is especially true for MLPs.

On the last day of the period we received two very positive pieces of news: 1) OPEC agreed to extend its production cut through the end of 2018, which we believe puts a floor under crude oil prices, and 2) an amendment to the Senate tax bill fixed a perceived imbalance in the way MLP pass-through income was being treated relative to other entities like REITs. These items were cause for some buying and perhaps more importantly short covering; as a result the Index was up over 4% on the day.

Index Definitions:

Indices are unmanaged and it is not possible to invest directly in an index.

The Alerian MLP Index is a composite of the 50 most prominent energy MLPs and is calculated by Alerian using a float-adjusted, capitalization-weighted methodology.

S&P 500 Index is a capitalization-weighted index of 500 stocks. The index is designed to measure performance of the broad domestic economy through changes in the aggregate market value of 500 stocks representing all major industries.

Bloomberg Barclay's High-Yield Energy Index consists of issuing companies classified as members of the energy sector of the Bloomberg Barclays U.S. Corporate High Yield Index, which measures the U.S. dollar-denominated, high yield, fixed-rate corporate bond market. Securities are classified as high yield if the middle rating of Moody's, Fitch, and S&P is Ba1/BB +/BB + or below.

Risks and Other Considerations

Investing involves risk, including the possible loss of principal and fluctuation of value.

The views expressed in this report reflect those of the portfolio managers only through the report period as stated on the cover. These views are expressed for informational purposes only and are subject to change at any time, based on market and other conditions, and may not come to pass.

These views may differ from views of other investment professionals at Guggenheim and should not be construed as research, investment advice or a recommendation of any kind regarding the fund or any issuer or security, do not constitute a solicitation to buy or sell any security and should not be considered specific legal, investment or tax advice. The information provided does not take into account the specific objectives, financial situation or particular needs of any specific investor.

The views expressed in this report may also include forward looking statements that involve risk and uncertainty, and there is no guarantee that any predictions will come to pass. Actual results or events may differ materially from those projected, estimated, assumed or anticipated in any such forward-looking statements. Important factors that could result in such differences, in addition to the other factors noted with such forward-looking statements, include general economic conditions such as inflation, recession and interest rates.

There can be no assurance that the Fund will achieve its investment objectives or that any investment strategies or techniques discussed herein will be effective. The value of the Fund will fluctuate with the value of the underlying securities. Historically, closed-end funds often trade at a discount to their net asset value.

Performance data quoted represents past performance, which is no guarantee of future results and current performance may be lower or higher than the figures shown.

Please see guggenheiminvestments.com/fmo for a detailed discussion of the Fund's risks and other considerations.

This material is not intended as a recommendation or as investment advice of any kind, including in connection with rollovers, transfers, and distributions. Such material is not provided in a fiduciary capacity, may not be relied upon for or in connection with the making of investment decisions, and does not constitute a solicitation of an offer to buy or sell securities. All content has been provided for informational or educational purposes only and is not intended to be and should not be construed as legal or tax advice and/or a legal opinion. Always consult a financial, tax and/or legal professional regarding your specific situation.

Fund Statistics

Share Price	\$11.12
Net Asset Value	\$11.63
Discount to NAV	-4.39%
Net Assets (\$000)	\$411,194

AVERAGE ANNUAL TOTAL RETURNS FOR THE PERIOD ENDED NOVEMBER 30, 2017

	One Year	Three Year	Five Year	Ten Year
Fiduciary/Claymore MLP Opportunity Fund				
NAV	(10.38%)	(15.22%)	(2.40%)	1.80%
Market	(14.68%)	(17.01%)	(4.09%)	1.49%

Performance data quoted represents past performance, which is no guarantee of future results and current performance may be lower or higher than the figures shown. NAV performance data quoted reflects the total net expense ratio, which includes net operating expenses, interest expense and current and deferred tax expense/(benefit). For the most recent month-end performance figures, please visit guggenheiminvestments.com/fmo. The investment return and principal value of an investment will fluctuate with changes in market conditions and other factors so that an investor's shares, when redeemed, may be worth more or less than their original cost.

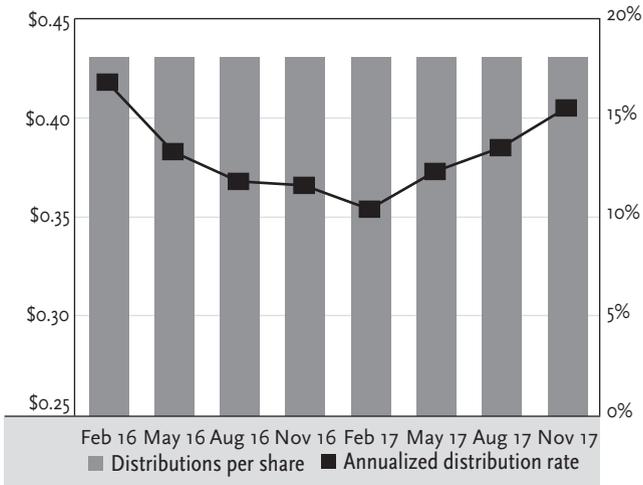
Portfolio Breakdown	% of Net Assets
Diversified Infrastructure	45.3%
Midstream Oil	42.5%
Gathering & Processing	36.1%
Midstream Natural Gas	26.9%
Natural Gas Pipelines & Storage	7.7%
Marine Transportation	6.8%
Other Energy Infrastructure	3.1%
Total Long-Term Investments	168.4%
Short-Term Investments	1.0%
Total Investments	169.4%
Other Assets & Liabilities, net	-69.4%
Net Assets	100.0%

Portfolio breakdown is subject to change daily. For more information, please visit guggenheiminvestments.com/fmo. The above summary is provided for informational purposes only and should not be viewed as recommendations. Past performance does not guarantee future results.

Share Price & NAV History



Distributions to Shareholders & Annualized Distribution Rate



All or a portion of the above distributions may be characterized as return of capital. For the year ended November 30, 2017, 100% of the distributions were characterized as return of capital. The final determination of the tax character of the distributions paid by the Fund in 2017 will be reported to shareholders in January 2018.

SCHEDULE OF INVESTMENTS

November 30, 2017

	Shares	Value
COMMON STOCKSⁱ – 1.8%		
Gathering & Processing – 1.8%		
Targa Resources Corp.	165,950	\$ 7,202,230
Total Common Stocks (Cost \$7,893,289)		7,202,230
MASTER LIMITED PARTNERSHIPS AND RELATED ENTITIESⁱ – 166.6%		
Diversified Infrastructure – 45.3%		
Energy Transfer Partners, LP ¹	3,125,286	51,911,001
Enbridge Energy Partners, LP ¹	3,072,470	44,919,511
Andeavor Logistics, LP ¹	819,500	36,680,820
MPLX, LP ¹	876,899	31,445,598
Enterprise Products Partners, LP ¹	816,369	20,107,169
Enbridge Energy Management LLC ²	87,573	1,182,231
Total Diversified Infrastructure		186,246,330
Midstream Oil – 42.5%		
Magellan Midstream Partners, LP ¹	861,877	57,745,759
Buckeye Partners, LP ¹	934,686	42,930,128
Plains All American Pipeline, LP ¹	1,396,932	27,240,174
Genesis Energy, LP ¹	859,510	18,453,680
Delek Logistics Partners, LP ¹	390,285	11,415,836
NGL Energy Partners, LP ¹	677,885	8,473,562
USD Partners, LP ¹	568,625	5,771,544
PBF Logistics, LP	77,085	1,518,575
NuStar Energy, LP	47,335	1,375,555
Total Midstream Oil		174,924,813
Gathering & Processing – 34.3%		
DCP Midstream, LP ¹	1,811,804	63,666,793
EnLink Midstream Partners, LP ¹	3,244,580	51,880,834
Summit Midstream Partners, LP ¹	1,087,206	20,602,554
American Midstream Partners, LP	426,156	5,092,564
Total Gathering & Processing		141,242,745
Midstream Natural Gas – 26.9%		
Williams Partners, LP ¹	1,553,811	57,024,864
Enable Midstream Partners, LP ¹	2,000,610	29,969,138
Tallgrass Energy Partners, LP ¹	534,995	23,496,980
Total Midstream Natural Gas		110,490,982
Natural Gas Pipelines & Storage – 7.7%		
TC PipeLines, LP ¹	626,740	31,844,659

See notes to financial statements.

SCHEDULE OF INVESTMENTS continued

November 30, 2017

	Shares	Value
Marine Transportation – 6.8%		
KNOT Offshore Partners, LP ¹	612,535	\$ 12,373,207
Golar LNG Partners, LP ¹	479,475	9,584,705
Navios Maritime Midstream Partners, LP ¹	720,620	5,829,816
Total Marine Transportation		27,787,728
Other Energy Infrastructure – 3.1%		
Archrock Partners, LP	523,595	5,733,365
Sunoco, LP	133,015	3,905,320
Martin Midstream Partners, LP	218,800	2,942,860
Total Other Energy Infrastructure		12,581,545
Total Master Limited Partnerships and Related Entities (Cost \$444,411,618)		685,118,802
MONEY MARKET FUND[†] – 1.0%		
Dreyfus Treasury & Agency Cash Management Fund – Investor Shares 0.72% ³	4,302,345	4,302,345
Total Money Market Fund (Cost \$4,302,345)		4,302,345
Total Investments – 169.4% (Cost \$456,607,252)		\$ 696,623,377
Other Assets & Liabilities, net – (69.4)%		(285,429,045)
Total Net Assets – 100.0%		\$ 411,194,332

* *Non-income producing security.*

† *Value determined based on Level 1 inputs — See Note 4.*

1 *All or a portion of these securities have been physically segregated and pledged as collateral. As of November 30, 2017, the total amount segregated was \$583,383,111, of which \$293,494,129 is related to the outstanding line of credit and \$289,888,982 is related to reverse repurchase agreements.*

2 *While non-income producing, security makes regular in-kind distributions.*

3 *Rate indicated is the 7-day yield as of November 30, 2017.*

See notes to financial statements.

SCHEDULE OF INVESTMENTS *continued*

November 30, 2017

The following table summarizes the inputs used to value the Fund's investments at November 30, 2017 (See Note 4 in the Notes to Financial Statements):

Investments in Securities (Assets)	Level 1 Quoted Prices	Level 2 Significant Observable Inputs	Level 3 Significant Unobservable Inputs	Total
Common Stocks	\$ 7,202,230	\$ —	\$ —	\$ 7,202,230
Master Limited Partnerships and Related Entities	685,118,802	—	—	685,118,802
Money Market Fund	4,302,345	—	—	4,302,345
Total Assets	\$ 696,623,377	\$ —	\$ —	\$ 696,623,377

Investments in Securities (Liabilities)	Level 1 Quoted Prices	Level 2 Significant Observable Inputs	Level 3 Significant Unobservable Inputs	Total
Reverse Repurchase Agreements	\$ —	\$ 110,230,215	\$ —	\$ 110,230,215
Total Liabilities	\$ —	\$ 110,230,215	\$ —	\$ 110,230,215

Please refer to the detailed portfolio for a breakdown of investment type by industry category.

Transfers between investment levels may occur as the markets fluctuate and/or the availability of data used in an investment's valuation changes. Transfers between valuation levels, if any, are in comparison to the valuation levels at the end of the previous fiscal year, and are effective using the fair value as of the end of the current fiscal period.

For the year ended November 30, 2017, there were no transfers between levels.

See notes to financial statements.

STATEMENT OF ASSETS AND LIABILITIES

November 30, 2017

ASSETS:

Investments in securities, at value	\$ 696,623,377
Current tax receivable	19,776,482
Investments sold receivable	4,809,137
Interest receivable	4,527
Prepaid expenses	7,653
Total assets	721,221,176

LIABILITIES:

Borrowings	118,000,000
Reverse repurchase agreements	110,230,215
Interest due on borrowings	253,277
Payable for:	
Net deferred tax	80,450,830
Investment advisory fees	487,252
Professional fees	313,125
Offering costs	246,548
Trustees' fees and expenses*	388
Other fees and expenses	45,209
Total liabilities	310,026,844

NET ASSETS	\$ 411,194,332
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NET ASSETS CONSIST OF:

Common stock, \$0.01 par value per share; unlimited number of shares authorized, 35,359,842 shares issued and outstanding	353,598
Additional paid-in capital	203,798,722
Accumulated net investment loss, net of tax benefit (expense)	(72,661,404)
Accumulated net realized gain on investments, net of tax	131,167,148
Net unrealized appreciation on investments, net of tax	148,536,268
NET ASSETS	\$ 411,194,332
Shares outstanding (\$0.01 par value with unlimited amount authorized)	35,359,842
Net asset value	\$ 11.63
Investments in securities, at cost	456,607,252

* Relates to Trustees not deemed "interested persons" within the meaning of Section 2(a)(19) of the 1940 Act.

See notes to financial statements.

STATEMENT OF OPERATIONS

November 30, 2017

For the Year Ended November 30, 2017

INVESTMENT INCOME:

Distributions from master limited partnerships	\$	60,295,908
In-kind stock dividends received		1,512,364
Less: Return of capital distributions		(54,426,166)
Less: Distributions classified as realized gains		(3,090,901)
Total investment income		4,291,205

EXPENSES:

Investment advisory fees		6,824,263
Interest expense		4,521,629
Professional fees		384,257
Trustees' fees and expenses*		144,843
Administration fees		142,364
Fund accounting fees		123,332
Printing fees		65,887
Registration and filings		35,514
Custodian fees		21,263
Transfer agent fees		17,709
Insurance		14,782
Other fees		2,656
Total expenses		12,298,499
Advisory fees waived		(76,062)
Net expenses		12,222,437
Net investment loss before taxes		(7,931,232)
Current tax benefit (expense)		1,441,373
Deferred tax benefit (expense)		1,805,012
Net investment loss		(4,684,847)

NET REALIZED AND UNREALIZED GAIN (LOSS):

Net realized gain (loss) on:		
Investments before taxes		(5,677,913)
Current tax benefit (expense)		1,031,868
Deferred tax benefit (expense)		1,292,196
Net realized loss		(3,353,849)
Net change in unrealized appreciation (depreciation) on:		
Investments before taxes		(71,758,946)
Current tax benefit (expense)		13,041,018
Deferred tax benefit (expense)		16,331,106
Net change in unrealized appreciation (depreciation)		(42,386,822)
Net realized and unrealized loss		(45,740,671)
Net decrease in net assets resulting from operations	\$	(50,425,518)

* Relates to Trustees not deemed "interested persons" within the meaning of Section 2(a)(19) of the 1940 Act.

See notes to financial statements.

STATEMENTS OF CHANGES IN NET ASSETS

November 30, 2017

	For the Year Ended November 30, 2017	For the Year Ended November 30, 2016
INCREASE (DECREASE) IN NET ASSETS FROM OPERATIONS:		
Net investment loss	\$ (4,684,847)	\$ (4,759,552)
Net realized loss on investments	(3,353,849)	(18,902,543)
Net change in unrealized appreciation (depreciation) on investments	(42,386,822)	48,780,433
Net increase (decrease) in net assets resulting from operations	(50,425,518)	25,118,338
DISTRIBUTIONS TO COMMON SHAREHOLDERS:		
Return of capital – See Note 2(c)	(59,663,571)	(57,851,472)
SHAREHOLDER TRANSACTIONS:		
Net proceeds from common shares issued through at-the- market offerings	20,979,516	—
Shares issued through dividend reinvestments	3,601,195	1,171,729
Common share offering costs charged to paid-in capital	(127,792)	—
Net increase in net assets resulting from shareholder transactions	24,452,919	1,171,729
Net decrease in net assets	(85,636,170)	(31,561,405)
NET ASSETS:		
Beginning of year	496,830,502	528,391,907
End of year	\$ 411,194,332	\$ 496,830,502
Accumulated net investment loss, net of tax benefit, at end of year	\$ (72,661,404)	\$ (67,976,557)

See notes to financial statements.

STATEMENT OF CASH FLOWS

November 30, 2017

For the Year Ended November 30, 2017

Cash Flows from Operating Activities:

Net decrease in net assets resulting from operations	\$ (50,425,518)
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Adjustments to Reconcile Net Increase in Net Assets Resulting from Operations to Net Cash Provided by Operating Activities:

Net change in unrealized (appreciation) depreciation on investments before taxes	71,758,946
Net realized loss on investments before taxes	5,677,913
Purchase of long-term investments	(207,898,420)
Proceeds from sale of long-term investments	155,035,047
Net proceeds from sale of short-term investments	4,185,892
Return of capital distributions received from investee companies	54,426,166
Distributions classified as realized losses from investee companies	3,090,901
Increase in current tax receivable	(16,445,383)
Decrease in investments sold receivable	14,051,697
Decrease in prepaid expenses	1,448
Increase in interest receivable	(4,527)
Decrease in net deferred tax liability	(19,437,145)
Decrease in due to custodian bank	(12,514,226)
Increase in interest due on borrowings	233,873
Decrease in investments purchased payable	(11,772,384)
Decrease in investment advisory fees payable	(59,664)
Increase in professional fees	313,125
Decrease in trustees' fees and expenses payable	(3,219)
Increase in other fees and expenses payable	(218,830)
Net Cash Used by Operating Activities	\$ (10,004,308)

Cash Flows From Financing Activities:

Net proceeds from the issuance of common shares	20,979,516
Distributions to common shareholders	(56,062,376)
Offering costs in connection with the issuance of common shares	(127,792)
Decrease in offering costs payable	(15,255)
Payments on borrowings	(65,000,000)
Proceeds from reverse repurchase agreements	110,230,215
Net Cash Provided by Financing Activities	10,004,308

Net change in cash	—
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Cash at Beginning of Period	—
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Cash at End of Period	\$ —
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Supplemental Disclosure of Cash Flow Information: Cash paid during the period for interest	\$ 4,057,541
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Supplemental Disclosure of Cash Flow Information: Taxes paid during the period	\$ 695,389
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Supplemental Disclosure of Non Cash Financing Activity: Dividend reinvestment	\$ 3,601,195
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Supplemental Disclosure of Non Cash Financing Activity: In kind stock dividends received during the period	\$ 1,512,364
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See notes to financial statements.

	Year Ended November 30, 2017	Year Ended November 30, 2016	Year Ended November 30, 2015	Year Ended November 30, 2014	Year Ended November 30, 2013
Per Share Data:					
Net asset value, beginning of period	\$ 14.76	\$ 15.74	\$ 26.73	\$ 24.60	\$ 20.96
Income from investment operations:					
Net investment loss ^(a)	(0.14)	(0.14)	(0.11)	(0.25)	(0.25)
Net gain (loss) on investments (realized and unrealized) ^(b)	(1.27)	0.88	(9.17)	4.06	5.54
Total from investment operations	(1.41)	0.74	(9.28)	3.81	5.29
Common shares' offering expenses charged to paid-in capital	(0.00)*	(0.00)	(0.00)*	(0.00)*	(0.02)
Less distributions from:					
Return of capital ^(c)	(1.72)	(1.72)	(1.71)	(1.68)	(1.63)
Net asset value, end of period	\$ 11.63	\$ 14.76	\$ 15.74	\$ 26.73	\$ 24.60
Market value, end of period	\$ 11.12	\$ 14.82	\$ 13.76	\$ 27.51	\$ 25.11
Total Return^(d)					
Net asset value	(10.38%)	6.32%	(36.06%)	15.61%	25.72%
Market value	(14.68%)	22.79%	(45.44%)	16.58%	21.66%
Ratios/Supplemental Data:					
Net assets, end of period (in thousands)	\$ 411,194	\$ 496,831	\$ 528,392	\$ 891,626	\$ 800,228
Ratio of net expenses to average net assets:					
Including current and deferred income tax	(4.74%)	5.05%	(23.57%)	10.58%	13.09%
Excluding current and deferred income tax ^(e)	2.55%	2.27%	2.01%	1.79%	1.77%
Ratio of net investment income (loss) to average net assets:					
Including current and deferred income tax	5.63%	(4.34%)	24.80%	(10.33%)	(17.95%)
Excluding current and deferred income tax	(1.65%)	(1.56%)	(0.78%)	(1.54%)	(1.63%)
Portfolio turnover rate	20%	24%	17%	8%	30%

See notes to financial statements.

	Year Ended November 30, 2017	Year Ended November 30, 2016	Year Ended November 30, 2015	Year Ended November 30, 2014	Year Ended November 30, 2013
Senior Indebtedness					
Borrowings—committed facility agreement (in thousands)	\$ 118,000	\$ 183,000	\$ 263,000	\$ 290,000	\$ 259,000
Borrowings—contingent facility agreement (in thousands)	\$ 5,417	\$ 3,715	\$ 3,009	\$ 4,075	\$ 4,090
Asset coverage per \$1,000 of borrowings ^(f)	\$ 110.230	\$ —	\$ —	\$ —	\$ —
Total Borrowings and reverse repurchase agreements outstanding (in thousands)	\$ 228,230	\$ 183,000	\$ 263,000	\$ 290,000	\$ 259,000
Asset Coverage per \$1,000 of indebtedness ^(g)	\$ 2.802	\$ 3.715	\$ 3.009	\$ 4.075	\$ 4.090

* Less than \$0.005.

- (a) Based on average shares outstanding during the period.
- (b) The character of dividends received for each period is based upon estimates made at the time the distribution was received. Any necessary adjustments are reflected in the following fiscal year when the actual character is known. See Note 2(b) of the Notes to Financial Statements for additional information.
- (c) For the years ended November 30, 2017, 2016, 2015, 2014 and 2013 approximately \$0.00, \$1.36, \$1.23 and \$1.52 per common share represents qualified dividend income for federal income tax purposes, respectively. The remaining distributions represent return of capital for federal income tax purposes. For GAAP purposes, all of the distributions were considered return of capital. See Note 2(c) of the Notes to Financial Statements for additional information.
- (d) Total investment return is calculated assuming a purchase of a common share at the beginning of the period and a sale on the last day of the period reported either at net asset value (“NAV”) or market price per share. Dividends and distributions are assumed to be reinvested at NAV for NAV returns or the prices obtained under the Fund’s Dividend Reinvestment Plan for market value returns. Total investment return does not reflect brokerage commissions.
- (e) Excluding current and deferred income taxes and interest expense, the net operating expense ratio for the years ended November 30 would be:
- | | 2017 | 2016 | 2015 | 2014 | 2013 |
|--|-------|-------|-------|-------|-------|
| | 1.61% | 1.60% | 1.53% | 1.42% | 1.38% |
- (f) Calculated by subtracting the Fund’s total liabilities (not including the borrowings or reverse repurchase agreements) from the Fund’s total assets and dividing by the total borrowings.
- (g) As a result of the Fund having earmarked or segregated cash or liquid securities to collateralize the transactions or otherwise having covered the transactions, in accordance with releases and interpretive letters issued by the Securities and Exchange Commission (the “SEC”), the Fund does not treat its obligations under such transactions as senior securities representing indebtedness for purposes of the 1940 Act.
- (h) Calculated by subtracting the Fund’s total liabilities (not including the borrowings or reverse repurchase agreements) from the Fund’s total assets and dividing by the total borrowings and reverse repurchase agreements.

See notes to financial statements.

Note 1 – Organization:

Fiduciary/Claymore MLP Opportunity Fund (the “Fund”) was organized as a Delaware statutory trust on October 4, 2004. The Fund is registered as a non-diversified, closed-end management investment company under the Investment Company Act of 1940, as amended (the “1940 Act”).

The Fund’s investment objective is to provide a high level of after-tax total return with an emphasis on current distributions paid to shareholders. The Fund has been structured to seek to provide an efficient vehicle through which its shareholders may invest in a portfolio of publicly traded securities of master limited partnerships (“MLPs”) and MLP affiliates. MLPs combine the tax benefits of limited partnerships with the liquidity of publicly traded securities. The Fund anticipates that a significant portion of the distributions received by the Fund from the MLPs in which it invests will be return of capital. While the Fund will generally seek to maximize the portion of the Fund’s distributions to Common Shareholders that will consist of return of capital, no assurance can be given in this regard. There can be no assurance that the Fund will achieve its investment objective.

Note 2 – Accounting Policies:

The Fund operates as an investment company and, accordingly, follows the investment company accounting and reporting guidance of the Financial Accounting Standards Board (“FASB”) Accounting Standards Codification Topic 946 Financial Services – Investment Companies.

The following significant accounting policies are in conformity with U.S. generally accepted accounting principles (“U.S. GAAP”) and are consistently followed by the Fund. This requires management to make estimates and assumptions that affect the reported amount of assets and liabilities, contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from these estimates. All time references are based on Eastern Time.

(a) Valuation of Investments

The Board of Trustees of the Fund (the “Board”) has adopted policies and procedures for the valuation of the Fund’s investments (the “Valuation Procedures”). Pursuant to the Valuation Procedures, the Board has delegated to a valuation committee, consisting of representatives from Guggenheim’s investment management, fund administration, legal and compliance departments (the “Valuation Committee”), the day-to-day responsibility for implementing the Valuation Procedures, including, under most circumstances, the responsibility for determining the fair value of the Fund’s securities or other assets.

Valuations of the Fund’s securities are supplied primarily by pricing services appointed pursuant to the processes set forth in the Valuation Procedures. The Valuation Committee convenes monthly, or more frequently as needed, to review the valuation of all assets which have been fair valued for reasonableness. The Fund’s officers, through the Valuation Committee and consistent with the monitoring and review responsibilities set forth in the Valuation Procedures, regularly review procedures used and valuations provided by the pricing services.

Equity securities listed on an exchange (New York Stock Exchange (“NYSE”) or American Stock Exchange) are valued at the last quoted sales price as of the close of U.S. business on the NYSE, usually 4:00 p.m. on the valuation date. Equity securities listed on the NASDAQ market system are valued at the NASDAQ Official Closing Price on the valuation date, which may not necessarily

represent the last sale price. If there has been no sale on such exchange or NASDAQ on such day, the security is valued at the mean of the most recent bid and ask prices on such day.

Investments for which market quotations are not readily available are fair-valued as determined in good faith by Guggenheim Funds Investment Advisors, LLC (“GFIA” or the “Adviser”), subject to review by the Valuation Committee, pursuant to methods established or ratified by the Board. Valuations in accordance with these methods are intended to reflect each security’s (or asset’s) “fair value”. Each such determination is based on a consideration of all relevant factors, which are likely to vary from one pricing context to another. Examples of such factors may include, but are not limited to market prices; sale prices; broker quotes; and models which derive prices based on inputs such as prices of securities with comparable maturities and characteristics, or based on inputs such as anticipated cash flows or collateral, spread over Treasuries, and other information analysis.

Investment professionals from Advisory Research, Inc. (“ARI” or the “Sub-Adviser”) prepare preliminary valuations based on their evaluation of financial data, company specific developments, market valuations of comparable companies, market information and other factors. These preliminary valuations are reviewed by the Valuation Committee with subsequent deliberations until an appropriate price is determined for the Level 3 security.

(b) Investment Transactions and Investment Income

Investment transactions are accounted for on the trade date for financial reporting purposes. Realized gains and losses on investments are determined on the identified cost basis. Dividend income and return of capital distributions are recorded on the ex-dividend date. Return of capital distributions received by the Fund are recorded as a reduction to the cost basis for the specific security. Interest income including the amortization of premiums and accretion of discount is accrued daily.

The Fund records the character of dividends received from MLPs based on estimates made at the time such distributions are received. These estimates are based upon a historical review of information available from each MLP and other industry sources. The Fund’s characterization of the estimates may subsequently be revised based on information received from MLPs after their tax reporting periods conclude.

For the year ended November 30, 2017, the Fund estimated 88.1% of its distributions from MLPs as return of capital, 5.0% of its distributions from MLPs as realized gains and 6.9% of its distributions as investment income, which is reflected in the Statement of Operations.

(c) Distributions to Shareholders

The Fund intends to make quarterly distributions to shareholders. Distributions to shareholders are recorded on the ex-dividend date. Distributions are determined in accordance with U.S. GAAP which may differ from their ultimate characterization for federal income tax purposes. A distribution may be wholly or partially taxable to a shareholder if the Fund has current earnings and profits (as determined for U.S. federal income tax purposes) in the taxable year of the distribution, even if the Fund has an overall deficit in the Fund’s accumulated earnings and profits and/or net operating loss or capital loss carryforwards that reduce or eliminate corporate income taxes in that taxable year. The Fund will inform shareholders of the final tax character of the distributions on IRS Form 1099 DIV.

For the year ended November 30, 2017, 0% of the distributions were considered qualified dividend income and 100% were considered return of capital for federal income tax purposes.

The final tax character of the distributions were as follows:

	2017	2016
Dividend Income	\$ —	\$ —
Tax return of capital	59,663,571	57,851,472
Total	\$ 59,663,571	\$ 57,851,472

On a U.S. GAAP basis, the source of the Fund's distributions to shareholders for the year ended November 30, 2017 was paid-in capital.

(d) Indemnifications

Under the Fund's organizational documents, its Trustees and Officers are indemnified against certain liabilities arising out of the performance of their duties to the Fund. In addition, throughout the normal course of business, the Fund enters into contracts that contain a variety of representations and warranties which provide general indemnifications. The Fund's maximum exposure under these arrangements is unknown, as this would involve future claims that may be made against the Fund and/or its affiliates that have not yet occurred. However, based on experience, the Fund expects the risk of loss to be remote.

Note 3 – Investment Advisory Agreement, Sub-Advisory Agreement and Other Agreements:

Pursuant to an Investment Advisory Agreement between the Fund and the Adviser, the Adviser furnishes offices, necessary facilities and equipment, provides administrative services, oversees the activities of ARI, provides personnel including certain officers required for its administrative management and compensates the officers and trustees of the Fund who are affiliates of the Adviser. As compensation for these services, the Fund pays the Adviser a fee, payable monthly, in an amount equal to 1.00% of the Fund's average daily managed assets.

Pursuant to a Sub-Advisory Agreement among the Fund, the Adviser and the Sub-Adviser, the Sub-Adviser under the supervision of the Fund's Board and the Adviser, provides a continuous investment program for the Fund's portfolio; provides investment research; makes and executes recommendations for the purchase and sale of securities; and provides certain facilities and personnel, including certain officers required for its administrative management and pays the compensation of all officers and trustees (if any) of the Fund who are ARI's affiliates. As compensation for its services, the Adviser pays the Sub-Adviser a fee, payable monthly, in an annual amount equal to 0.50% of the Fund's average daily managed assets.

For purposes of calculating the fees payable under the foregoing agreements, average daily managed assets means the average daily value of the Fund's total assets minus the sum of its accrued liabilities. Total assets means all of the Fund's assets and is not limited to its investment securities. Accrued liabilities means all of the Fund's liabilities other than borrowings for investment purposes.

Certain officers of the Fund may also be officers, directors and/or employees of the Adviser or Sub-Adviser. The Fund does not compensate its officers who are officers, directors and/or employees of the aforementioned firms.

The Adviser and Sub-Adviser agreed to waive the advisory fees on all shares issued pursuant to the Fund's shelf registration for the first three months those shares are outstanding and waive half the advisory fees on those shares for the next three months. Advisory fees of \$76,062, of which \$38,031 was waived by the Sub-Adviser, were waived for the year ended November 30, 2017. See Note 9 for additional information regarding offerings of shares pursuant to the Fund's shelf registration statement.

MUFG Investor Services (US), LLC ("MUIS") acts as the Fund's administrator and accounting agent. As administrator and accounting agent, MUIS is responsible for maintaining the books and records of the Fund's securities and cash. The Bank of New York ("BNY") acts as the Fund's custodian. As custodian, BNY is responsible for the custody of the Fund's assets. For providing the aforementioned services, MUIS and BNY are entitled to receive a monthly fee equal to an annual percentage of the Fund's average daily managed assets subject to certain minimum monthly fees and out of pocket expenses.

Note 4 – Fair Value Measurement:

In accordance with U.S. GAAP, fair value is defined as the price that the Fund would receive to sell an investment or pay to transfer a liability in an orderly transaction with an independent buyer in the principal market, or in the absence of a principal market, the most advantageous market for the investment or liability. U.S. GAAP establishes a three-tier fair value hierarchy based on the types of inputs used to value assets and liabilities and requires corresponding disclosure. The hierarchy and the corresponding inputs are summarized below:

Level 1 — quoted prices in active markets for identical assets or liabilities.

Level 2 — significant other observable inputs (for example quoted prices for securities that are similar based on characteristics such as interest rates, prepayment speeds, credit risk, etc.).

Level 3 — significant unobservable inputs based on the best information available under the circumstances, to the extent observable inputs are not available, which may include assumptions.

The types of inputs available depend on a variety of factors, such as the type of security and the characteristics of the markets in which it trades, if any. Fair valuation determinations that rely on fewer or no observable inputs require greater judgment. Accordingly, fair value determinations for Level 3 securities require the greatest amount of judgment.

Independent pricing services are used to value a majority of the Fund's investments. When values are not available from a pricing service, they will be determined under the valuation policies that have been reviewed and approved by the Board. In any event, values are determined using a variety of sources and techniques, including: market prices; broker quotes; and models which derive prices based on inputs such as prices of securities with comparable maturities and characteristics or based on inputs such as anticipated cash flows or collateral, spread over Treasuries, and other information and analysis.

The inputs or methodologies used for valuing securities are not necessarily an indication of the risk associated with investing in those securities. The suitability of the techniques and sources employed to determine fair valuation are regularly monitored and subject to change.

Note 5 – Federal Income Tax Information:

The Fund is treated as a regular corporation, or “C” corporation, for U.S. federal income tax purposes. Accordingly, the Fund generally is subject to U.S. federal income tax on its taxable income at the graduated rates applicable to corporations (currently at a maximum rate of 35%). In addition, as a regular corporation, the Fund is subject to various state income taxes by reason of its investments in MLPs. As a limited partner in the MLPs, the Fund includes its allocable share of the MLP’s taxable income in computing its own taxable income. 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. The Fund may be subject to a 20% alternative minimum tax to the extent that it exceeds the Fund’s regular income tax liability. The amount which the Fund is required to pay U.S. corporate income tax or alternative minimum tax could materially reduce the Fund’s cash available to make distributions on Common Shares.

As of November 30, 2017, the cost of investments and accumulated unrealized appreciation/depreciation on investments for federal income tax purposes were as follows:

Cost of Investments for Tax Purposes	Gross Tax Unrealized Appreciation	Gross Tax Unrealized Depreciation	Net Tax Unrealized Appreciation
\$ 438,329,881	\$ 279,482,923	\$ (21,189,427)	\$ 258,293,496

The Fund accrues deferred income taxes for its future tax liability or benefit associated with that portion of MLP distributions considered to be a tax-deferred return of capital as well as capital appreciation or depreciation of its investments. To the extent the Fund has a deferred tax asset, consideration is given as to whether or not a valuation allowance is required. The need to establish a valuation allowance for deferred tax assets is assessed periodically by the Fund based on the criterion established by ASC 740, Income Taxes, (“ASC 740”) that it is more likely than not that some portion or all of the deferred tax asset will not be realized. In the assessment for a valuation allowance, consideration is given to all positive and negative evidence related to the realization of the deferred tax asset. This assessment considers, among other matters, the nature, frequency and severity of current and cumulative losses, forecasts of future profitability (which are highly dependent on future MLP cash distributions), the duration of statutory carryforward periods and the associated risk that operating loss carryforwards may expire unused.

The Fund may rely to some extent on information provided by the MLPs, which may not necessarily be timely, to estimate taxable income allocable to the MLP units held in the portfolio and to estimate the associated deferred tax liability. Such estimates are made in good faith. From time to time, as new information becomes available, the Fund modifies its estimates or assumptions regarding the deferred tax liability.

The Fund’s income tax provision consists of the following:

Current federal income tax benefit	\$ 14,062,008
Current state income tax benefit	1,452,251
Deferred federal income tax benefit	15,341,335
Deferred state income tax benefit	4,086,979
Total current and deferred tax benefit	\$ 34,942,573

Total income tax expense differs from the amount computed by applying the federal statutory income tax rate of 35% to net investment income and realized and unrealized gains before taxes as follows:

		Rate
Application of statutory income tax rate	\$ (29,878,832)	35.00%
State income taxes	(2,049,957)	2.40%
Permanent differences and other	(3,013,784)	3.53%
Total	\$ (34,942,573)	40.93%

Permanent differences primarily represent state rate decreases and permanent reportable tax position adjustments.

Components of the Fund's deferred tax assets and liabilities as of November 30, 2017, are as follows:

Deferred tax assets:

Deferred tax benefit on net operating loss carryforward, capital loss carryover and foreign tax credits	\$ 16,145,505
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Deferred tax liabilities:

Deferred tax on unrealized gain on investments and capital loss carryforward	\$ (96,596,335)
Net deferred tax liability	\$ (80,450,830)

For all open tax years and all major jurisdictions, management of the Fund has concluded that there are no significant uncertain tax positions that would require recognition in the financial statements. Uncertain tax positions taken or expected to be taken in the course of preparing the Fund's tax returns that would not meet a more-likely-than-not threshold of being sustained by the applicable tax authority and would be recorded as tax expense in the current year. Open tax years are those that are open for examination by taxing authorities (i.e. generally the last four tax year ends and the interim tax period since then).

Note 6 – Investments in Securities:

For the year ended November 30, 2017, the cost of purchases and proceeds from sales of investments, excluding short-term securities, were \$207,898,420 and \$155,035,047, respectively.

Note 7 – Reverse Repurchase Agreements:

The Fund may enter into reverse repurchase agreements as part of its financial leverage strategy. Under a reverse repurchase agreement, the Fund temporarily transfers possession of a portfolio instrument to another party, such as a bank or broker-dealer, in return for cash. At the same time, the Fund agrees to repurchase the instrument at an agreed upon time and price, which reflects an interest payment. Such agreements have the economic effect of borrowings. The Fund may enter into such agreements when it is able to invest the cash acquired at a rate higher than the cost of the agreement, which would increase earned income. When the Fund enters into a reverse repurchase agreement, any fluctuations in the market value of either the instruments transferred to another party or the instruments in which the proceeds may be invested would affect the market value of the Fund's assets. As a result, such transactions may increase fluctuations in the market value of the Fund's assets. For the year ended November 30, 2017, the average daily balance for which reverse repurchase agreements were outstanding amounted to \$110,000,000. The weighted average interest rate was 2.43%. As of November 30, 2017, there was \$110,230,215 in reverse repurchase agreements outstanding.

The following table presents secured financing transactions that are subject to enforceable netting arrangements and offset in the Statement of Assets and Liabilities in conformity with U.S. GAAP:

Instrument	Gross Amounts of Recognized Liabilities	Gross Amounts Offset In the Statement of Assets and Liabilities	Net Amount of Liabilities Presented on the Statement of Assets and Liabilities	Gross Amounts Not Offset in the Statement of Assets and Liabilities		Net Amount
				Financial Instruments	Cash Collateral Pledged	
Reverse Repurchase Agreements	\$ 110,230,215	\$ —	\$ 110,230,215	\$(110,230,215)	\$ —	\$ —

As of November 30, 2017, the Fund had outstanding reverse repurchase agreements with BNP Paribas. Details of the reverse repurchase agreements are as follows:

Counterparty	Interest Rate	Maturity Date	Face Value
BNP Paribas	2.52%* (1 Month USD Libor + 115 bps)	Open Maturity	\$ 110,230,215

* Variable rate security. Rate indicated is the rate effective at November 30, 2017

The following is a summary of the remaining contractual maturities of the reverse repurchase agreements outstanding as of November 30, 2017 aggregated by asset class of the related collateral pledged by the Fund:

	Overnight and Continuous	Up to 30 days	31-90 days	Greater than 90 days	Total
Master Limited Partnerships and Related Entities	\$ 110,230,215	\$ —	\$ —	\$ —	\$ 110,230,215
Total Reverse Repurchase Agreements	\$ 110,230,215	\$ —	\$ —	\$ —	\$ 110,230,215
Gross amount of recognized liabilities for reverse repurchase agreements	\$ 110,230,215	\$ —	\$ —	\$ —	\$ 110,230,215

There is no guarantee that the Fund's leverage strategy will be successful. The Fund's use of leverage may cause the Fund's NAV and market price of common shares to be more volatile and can magnify the effect of any losses.

Note 8 – Borrowings:

On September 30, 2008, the Fund entered into a credit facility agreement with an approved counterparty. The interest on the amount borrowed is based on 3-month LIBOR plus 0.95%. Effective June 5, 2014, the maximum commitment under the credit facility agreement was increased to \$325,000,000. As of November 30, 2017, the amount outstanding in connection with the Fund's credit facility was \$118,000,000. As of November 30, 2017, securities with a market value of \$293,494,129 have been segregated and pledged as collateral for the credit facility.

The average daily amount of borrowings on the credit facility during the year ended November 30, 2017, was \$154,150,685 with a related weighted average interest rate of 2.16%. The maximum amount outstanding during the year ended November 30, 2017, was \$183,000,000.

Note 9 – **Capital:**

Common Shares

The Fund has an unlimited amount of common shares, \$0.01 par value, authorized and 35,359,842 issued and outstanding.

Transactions in common shares were as follows:

	Year Ended November 30, 2017	Year Ended November 30, 2016
Beginning Shares	33,651,772	33,572,117
Shares issued through dividend reinvestment	260,325	79,655
Common shares issued through at-the-market offering	1,447,745	—
Common shares issued through overnight offering	—	—
Ending shares	35,359,842	33,651,772

On May 6, 2011, the Fund's shelf registration allowing for delayed or continuous offering of additional shares became effective and on April 20, 2012 a post-effective amendment thereto became effective. The shelf registration statement allowed for the issuance of up to an additional \$218,859,845 of common shares. On December 16, 2011, the Fund entered into an at-the-market offering sales agreement with the Adviser and Cantor Fitzgerald & Co. to offer and sell 10,165,343 common shares, from time to time, through Cantor Fitzgerald & Co. as agent for the Fund. On June 20, 2013, the Fund's new shelf registration statement allowing for delayed or continuous offering of additional shares became effective. The shelf registration statement allowed for the issuance of up to an additional \$268,593,405 of common shares. On July 3, 2013, the Fund entered into an at-the-market offering sales agreement with the Adviser and Cantor Fitzgerald & Co. to offer and sell up to 4,408,676 common shares, from time to time, through Cantor Fitzgerald & Co. as agent for the Fund. On December 7, 2016, the Fund's new shelf registration statement allowing for delayed or continuous offering of additional shares became effective. On February 28, 2017, the Fund entered into an at-the-market offering sales agreement with the Adviser and Cantor Fitzgerald & Co. to offer and sell 4,750,000 common shares, from time to time, through Cantor Fitzgerald & Co. as agent for the Fund. Under these sales agreements, 1,447,745 shares were issued during the year ended November 30, 2017 and no shares were issued during the year ended November 30, 2016. The Adviser paid the costs associated with the offerings of shares and was reimbursed by the Fund up to 0.60% of the public offering price of each share sold under these offerings, not to exceed actual offering costs incurred. For the years ended November 30, 2017 and 2016, the Fund reimbursed the Adviser \$143,047 and \$79,394, respectively, for offering costs associated with these offerings, and will be responsible for additional offering costs in the future up to the 0.60% cap.

Note 10 – **Concentration of Risk:**

Because the Fund is focused in MLP entities in the energy, natural resources and real estate sectors of the economy, such concentration may present more risks than if the Fund were broadly diversified over numerous industries and sectors of the economy. A downturn in the energy, natural resources

or real estate sectors of the economy could have a larger impact on the Fund than on an investment company that does not concentrate in such sectors. At times, the performance of securities of companies in the energy, natural resources and real estate sectors of the economy may lag the performance of other sectors or the broader market as a whole.

An investment in MLP units involves risks that differ from a similar investment in equity securities, such as common stock of a corporation. Holders of MLP units have the rights typically afforded to limited partners in a limited partnership. As compared to common shareholders of a corporation, holders of MLP units have more limited control and limited rights to vote on matters affecting the partnership. There are certain tax risks associated with an investment in MLP units. Additionally, conflicts of interest may exist between common unit holders, subordinated unit holders and the general partner of an MLP; for example, a conflict may arise as a result of incentive distribution payments.

Note 11 – Subsequent Event:

On December 22, 2017 The Tax Cuts and Jobs Act was signed into law thus reducing the U.S. corporate tax rate from 35% to 21%. For the fiscal year ending November 30, 2018, an effective tax rate of 24.78% and 23.65% will be used to calculate any current and deferred tax liability respectively. The effective tax rates presented are estimates and are subject to change based on rate changes at the state level for states where the Fund is subject to tax. Management is continuing to evaluate reasonable estimates made regarding implications of tax reform and will provide additional details in subsequent quarters as necessary.

The Fund evaluated subsequent events through the date the financial statements were available for issue and determined there were no additional material events that would require adjustment to or disclosure in the Fund's financial statements.

**To the Board of Trustees and Shareholders of
Fiduciary/Claymore MLP Opportunity Fund**

We have audited the accompanying statement of assets and liabilities of Fiduciary/Claymore MLP Opportunity Fund (the Fund), including the schedule of investments, as of November 30, 2017, and the related statements of operations and cash flows 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. We were not engaged to perform an audit of the Fund's internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Fund's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements and financial highlights, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. Our procedures included confirmation of securities owned as of November 30, 2017, by correspondence with the custodian and brokers. 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 Fiduciary/Claymore MLP Opportunity Fund at November 30, 2017, the results of its operations and its cash flows 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 U.S. generally accepted accounting principles.

Ernst + Young LLP

Tysons, Virginia
January 26, 2018

SUPPLEMENTAL INFORMATION (Unaudited)**Federal Income Tax Information**

In January 2018, you will be advised on IRS Form 1099 DIV or substitute 1099 DIV as to the federal tax status of the distributions received by you in the calendar year 2017.

Trustees

The Trustees of the Fiduciary/Claymore MLP Opportunity Fund and their principal business occupations during the past five years:

Name, Address* and Year of Birth	Position(s) Held with Trust	Term of Office and Length of Time Served**	Principal Occupation(s) During Past Five Years	Number of Portfolios in Fund Complex Overseen	Other Directorships Held by Trustees
Independent Trustees:					
Randall C. Barnes (1951)	Trustee	Since 2004	Current: Private Investor (2001-present). Former: Senior Vice President and Treasurer, PepsiCo, Inc. (1993-1997); President, Pizza Hut International (1991-1993); Senior Vice President, Strategic Planning and New Business Development, PepsiCo, Inc. (1987-1990).	95	Current: Trustee, Purpose Investments Funds (2014-present).
Donald A. Chubb, Jr. (1946)	Trustee and Chairman of the Valuation Oversight Committee	Since 2014	Current: Retired Former: Business broker and manager of commercial real estate, Griffith & Blair, Inc. (1997-2017).	92	Former: Midland Care, Inc. (2011-2016).
Jerry B. Farley (1946)	Trustee and Chair of the Audit Committee (Effective 5/24/17)	Since 2014	Current: President, Washburn University (1997-present).	92	Current: Westar Energy, Inc. (2004-present); CoreFirst Bank & Trust (2000-present).

Name, Address [#] and Year of Birth	Position(s) Held with Trust	Term of Office and Length of Time Served ^{**}	Principal Occupation(s) During Past Five Years	Number of Portfolios in Fund Complex Overseen	Other Directorships Held by Trustees
Independent Trustees continued:					
Roman Friedrich III (1946)	Trustee and Chairman of the Contracts Review Committee	Since 2011	Current: Founder and Managing Partner, Roman Friedrich & Company (1998-present). Former: Senior Managing Director, MLV & Co. LLC (2010-2011).	92	Current: Zincore Metals, Inc. (2009-present). Former: Axiom Gold and Silver Corp. (2011-2012).
Robert B. Karn III (1942)	Trustee	Since 2004	Current: Consultant (1998-present). Former: Arthur Andersen LLP (1965-1997) and Managing Partner, Financial and Economic Consulting, St. Louis office (1987-1997). Current: Partner, Momkus McCluskey LLC (2016-present).	92	Former: GP Natural Resource Partners, LLC (2002-2017); Peabody Energy Company (2003-April 2017).
Ronald A. Nyberg (1953)	Trustee and Chairman of the Nominating and Governance Committee	Since 2004	Former: Partner, Nyberg & Cassioppi, LLC (2000-2016); Executive Vice President, General Counsel, and Corporate Secretary, Van Kampen Investments (1982-1999). Current: Retired.	97	Current: Edward-Elmhurst Healthcare System (2012-present).
Maynard E. Oliverius (1943)	Trustee	Since 2014	Former: President and CEO, Stormont-Vail Health Care (1996-2012). Current: Retired.	92	Current: Robert J. Dole Institute of Politics (2016-present); Stormont-Vail Foundation (2013-present); University of Minnesota MHA Alumni Philanthropy Committee (2009-present); Fort Hays State University (1999-present). Former: Topoka Community Foundation (2009-2014).

Name, Address* and Year of Birth	Position(s) Held with Trust	Term of Office and Length of Time Served**	Principal Occupation(s) During Past Five Years	Number of Portfolios in Fund Complex Overseen	Other Directorships Held by Trustees
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Independent Trustees continued:

Ronald E. Toupin, Jr. (1958)	Trustee and Chairman of the Board	Since 2004	Current: Portfolio Consultant (2010-present). Former: Vice President, Manager and Portfolio Manager, Nuveen Asset Management (1998-1999); Vice President, Nuveen Investment Advisory Corp. (1992-1999); Vice President and Manager, Nuveen Unit Investment Trusts (1991-1999); and Assistant Vice President and Portfolio Manager, Nuveen Unit Investment Trusts (1988-1999), each of John Nuveen & Co., Inc. (1982-1999).	94	Former: Bennett Group of Funds (2011-2013).
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* The business address of each Trustee is c/o Guggenheim Investments, 227 West Monroe Street, Chicago, IL 60606.

** Each Trustee serves an indefinite term, until his successor is duly elected and qualified. Time served includes time served in the respective position for the Predecessor Corporation.

— Messrs. Farley, Friedrich and Nyberg are Class II Trustees. Class II Trustees are expected to stand for re-election at the Fund's annual meeting of shareholders for the fiscal year ended May 31, 2018.

— Messrs. Karr, Oliverius and Toupin are Class III Trustees. Class III Trustees are expected to stand for re-election at the Fund's annual meeting of shareholders for the fiscal year ended May 31, 2019.

— Messrs. Barnes and Chubb are Class I Trustees. The Class I Trustees are expected to stand for re-election at the Fund's annual meeting of shareholders for fiscal year ended May 31, 2020.

Officers

The Officers of the Fiduciary/Claymore MLP Opportunity Fund, who are not Trustees, and their principal occupations during the past five years:

Name, Address** and Year of Birth	Position(s) held with the Trust	Term of Office and Length of Time Served**	Principal Occupations During Past Five Years
Joanna M. Catalucci (1966)	Chief Compliance Officer	Since 2012	Current: Chief Compliance Officer, certain funds in the Fund Complex (2012-present); Senior Managing Director, Guggenheim Investments (2014-present), AML Officer, certain funds in the Fund Complex (2016-present). Former: Chief Compliance Officer and Secretary, certain other funds in the Fund Complex (2008-2012); Senior Vice President & Chief Compliance Officer, Security Investors, LLC and certain affiliates (2010-2012); Chief Compliance Officer and Senior Vice President, Rydex Advisors, LLC and certain affiliates (2010-2011).
James M. Howley (1972)	Assistant Treasurer	Since 2006	Current: Managing Director, Guggenheim Investments (2004-present); Assistant Treasurer, certain other funds in the Fund Complex (2006-present). Former: Manager of Mutual Fund Administration, Van Kampen Investments, Inc. (1996-2004).
Keith Kemp (1960)	Assistant Treasurer	Since 2016	Current: Treasurer and Assistant Treasurer, certain other funds in the Fund Complex (2010-present); Managing Director of Guggenheim Partners Investments Management, LLC (2015-present); Chief Financial Officer, Guggenheim Specialized Products, LLC (2016-present). Former: Managing Director and Director, Transparent Value, LLC (2010-2016); Director, Guggenheim Partners Investments, LLC (2010-2015); Chief Operating Officer, Macquarie Capital Investment Management (2007-2009).

Name, Address: [#] and Year of Birth	Position(s) held with the Trust	Term of Office and Length of Time Served: ^{**}	Principal Occupations During Past Five Years
Officers continued:			
Amy J. Lee (1961)	President, Chief Executive Officer (Effective November 2017) and Chief Legal Officer	Since 2013	Current: President and Chief Executive Officer, certain other funds in the Fund Complex (November 2017-present); Chief Legal Officer, certain other funds in the Fund Complex (2014-present); Senior Managing Director, Guggenheim Investments (2012-present). Former: Vice President, Associate General Counsel and Assistant Secretary, Security Benefit Life Insurance Company and Security Benefit Corporation (2004-2012).
Mark E. Mathiasen (1978)	Secretary	Since 2007	Current: Secretary, certain other funds in the Fund Complex (2007-present), Managing Director, Guggenheim Investments (2007-present).
Glenn McWhinnie (1969)	Assistant Treasurer	Since 2016	Current: Vice President, Guggenheim Investments (2009-present); Assistant Treasurer, certain other funds in the Fund Complex (2016-present). Former: Tax Compliance Manager, Ernst & Young LLP (1996-2009).
Michael P. Megaris (1984)	Assistant Secretary	Since 2014	Current: Assistant Secretary, certain other funds in the Fund Complex (2014-present); Vice President, Guggenheim Investments (2012-present).
Adam J. Nelson (1979)	Assistant Treasurer	Since 2015	Current: Vice President, Guggenheim Investments (2015-present); Assistant Treasurer, certain other funds in the Fund Complex (2015-present). Former: Assistant Vice President and Fund Administration Director, State Street Corporation (2013-2015); Fund Administration Assistant Director, State Street (2011-2013); Fund Administration Manager, State Street (2009-2011).

Name, Address* and Year of Birth	Position(s) held with the Trust	Term of Office and Length of Time Served**	Principal Occupations During Past Five Years
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Officers continued:

Kimberly J. Scott (1974)	Assistant Treasurer	Since 2012	Current: Director, Guggenheim Investments (2012-present); Assistant Treasurer, certain other funds in the Fund Complex (2012-present). Former: Financial Reporting Manager, Invesco, Ltd. (2010-2011); Vice President/Assistant Treasurer of Mutual Fund Administration, Van Kampen Investments, Inc./Morgan Stanley Investment Management (2009-2010); Manager of Mutual Fund Administration, Van Kampen Investments, Inc./Morgan Stanley Investment Management (2005-2009).
Bryan Stone (1979)	Vice President	Since 2014	Current: Vice President, certain other funds in the Fund Complex (2014-present); Director, Guggenheim Investments (2013-present). Former: Senior Vice President, Neuberger Berman Group LLC (2009-2013); Vice President, Morgan Stanley (2002-2009).
John L. Sullivan (1955)	Chief Financial Officer, Chief Accounting Officer and Treasurer	Since 2010	Current: CFO, Chief Accounting Officer and Treasurer, certain other funds in the Fund Complex (2010-present); Senior Managing Director, Guggenheim Investments (2010-present). Former: Managing Director and CCO, each of the funds in the Van Kampen Investments fund complex (2004-2010); Managing Director and Head of Fund Accounting and Administration, Morgan Stanley Investment Management (2002-2004); CFO and Treasurer, Van Kampen Funds (1996-2004).
Jon Szafran (1989)	Assistant Treasurer	Since November 2017	Current: Vice President, Guggenheim Investments (July 2017-present); Assistant Treasurer, certain other funds in the Fund Complex (November 2017-present). Former: Assistant Treasurer of Henderson Global Funds and Manager of US Fund Administration, Henderson Global Investors (North America) Inc. ("HGINA"), (February-June 2017); Senior Analyst of US Fund Administration, HGINA (2014-January 2017); Senior Associate of Fund Administration, Cortland Capital Market Services, LLC (2013-2014); Experienced Associate, PricewaterhouseCoopers LLP (2012-2013).

* The business address of each officer is c/o Guggenheim Investments, 227 West Monroe Street, Chicago, IL 60606.

** Each officer serves an indefinite term, until his or her successor is duly elected and qualified. The date reflects the commencement date upon which the officer held any officer position with the Trust.

Unless the registered owner of common shares elects to receive cash by contacting Computershare Trust Company, N.A. (the "Plan Administrator"), all dividends declared on common shares of the Fund will be automatically reinvested by the Plan Administrator for shareholders in the Fund's Dividend Reinvestment Plan (the "Plan"), in additional common shares of the Fund. Participation in the Plan is completely voluntary and may be terminated or resumed at any time without penalty by notice if received and processed by the Plan Administrator prior to the dividend record date; otherwise such termination or resumption will be effective with respect to any subsequently declared dividend or other distribution. Some brokers may automatically elect to receive cash on your behalf and may re-invest that cash in additional common shares of the Fund for you. If you wish for all dividends declared on your common shares of the Fund to be automatically reinvested pursuant to the Plan, please contact your broker.

The Plan Administrator will open an account for each common shareholder under the Plan in the same name in which such common shareholder's common shares are registered. Whenever the Fund declares a dividend or other distribution (together, a "Dividend") payable in cash, nonparticipants in the Plan will receive cash and participants in the Plan will receive the equivalent in common shares. The common shares will be acquired by the Plan Administrator for the participants' accounts, depending upon the circumstances described below, either (i) through receipt of additional unissued but authorized common shares from the Fund ("Newly Issued Common Shares") or (ii) by purchase of outstanding common shares on the open market ("Open-Market Purchases") on the New York Stock Exchange or elsewhere. If, on the payment date for any Dividend, the closing market price plus estimated brokerage commission per common share is equal to or greater than the net asset value per common share, the Plan Administrator will invest the Dividend amount in Newly Issued Common Shares on behalf of the participants. The number of Newly Issued Common Shares to be credited to each participant's account will be determined by dividing the dollar amount of the Dividend by the net asset value per common share on the payment date; provided that, if the net asset value is less than or equal to 95% of the closing market value on the payment date, the dollar amount of the Dividend will be divided by 95% of the closing market price per common share on the payment date. If, on the payment date for any Dividend, the net asset value per common share is greater than the closing market value plus estimated brokerage commission, the Plan Administrator will invest the Dividend amount in common shares acquired on behalf of the participants in Open-Market Purchases.

If, before the Plan Administrator has completed its Open-Market Purchases, the market price per common share exceeds the net asset value per common share, the average per common share purchase price paid by the Plan Administrator may exceed the net asset value of the common shares, resulting in the acquisition of fewer common shares than if the Dividend had been paid in Newly Issued Common Shares on the Dividend payment date. Because of the foregoing difficulty with respect to Open-Market Purchases, the Plan provides that if the Plan Administrator is unable to invest the full Dividend amount in Open-Market Purchases during the purchase period or if the market discount shifts to a market premium during the purchase period, the Plan Administrator may cease making Open-Market Purchases and may invest the uninvested portion of the Dividend amount in Newly Issued Common Shares at net asset value per common share at the close of business on the Last Purchase Date provided that, if the net asset value is less than or equal to 95% of the then current market price per common share; the dollar amount of the Dividend will be divided by 95% of the market price on the payment date.

The Plan Administrator maintains all shareholders' accounts in the Plan and furnishes written confirmation of all transactions in the accounts, including information needed by shareholders for tax records. Common shares in the account of each Plan participant will be held by the Plan Administrator on behalf of the Plan participant, and each shareholder proxy will include those shares purchased or received pursuant to the Plan. The Plan Administrator will forward all proxy solicitation materials to participants and vote proxies for shares held under the Plan in accordance with the instruction of the participants.

There will be no brokerage charges with respect to common shares issued directly by the Fund. However, each participant will pay a pro rata share of brokerage commission incurred in connection with Open-Market Purchases. The automatic reinvestment of Dividends will not relieve participants of any Federal, state or local income tax that may be payable (or required to be withheld) on such Dividends.

The Fund reserves the right to amend or terminate the Plan. There is no direct service charge to participants with regard to purchases in the Plan; however, the Fund reserves the right to amend the Plan to include a service charge payable by the participants.

All correspondence or questions concerning the Plan should be directed to the Plan Administrator, Computershare Trust Company, N.A., P.O. Box 30170 College Station, TX 77842-3170: Attention: Shareholder Services Department, Phone Number: (866) 488-3559 or online at www.computershare.com/investor.

Board of Trustees

Randall C. Barnes
Donald A. Chubb, Jr.
Jerry B. Farley
Roman Friedrich III
Robert B. Karn III
Ronald A. Nyberg
Maynard F. Oliverius
Ronald E. Toupin, Jr.,
Chairman

Principal Executive Officers

Joanna M. Catalucci
Chief Compliance Officer

Amy J. Lee
*President, Chief Executive Officer and Chief
Legal Officer*

Mark E. Mathiasen
Secretary

John L. Sullivan
*Chief Financial Officer, Chief Accounting
Officer and Treasurer*

Investment Adviser

Guggenheim Funds Investment
Advisors, LLC
Chicago, IL

Investment Sub-Adviser

Advisory Research, Inc.
St. Louis, MO

Administrator and Accounting Agent

MUFG Investor Services (US), LLC
Rockville, MD

Custodian

The Bank of New York Mellon Corp.
New York, NY

Legal Counsel

Skadden, Arps, Slate, Meagher &
Flom LLP
New York, NY

Independent Registered Public**Accounting Firm**

Ernst & Young LLP
Tysons, VA

Privacy Principles of Fiduciary/Claymore MLP Opportunity Fund for Shareholders

The Fund is committed to maintaining the privacy of its shareholders and to safeguarding its non-public personal information. The following information is provided to help you understand what personal information the Fund collects, how we protect that information and why, in certain cases, we may share information with select other parties.

Generally, the Fund does not receive any non-public personal information relating to its shareholders, although certain non-public personal information of its shareholders may become available to the Fund. The Fund does not disclose any non-public personal information about its shareholders or former shareholders to anyone except as permitted by law or as is necessary in order to service shareholder accounts (for example, to a transfer agent or third party administrator).

The Fund restricts access to non-public personal information about the shareholders to Guggenheim Funds Investment Advisors, LLC employees with a legitimate business need for the information. The Fund maintains physical, electronic and procedural safeguards designed to protect the non-public personal information of its shareholders.

Questions concerning your shares of Fiduciary/Claymore MLP Opportunity Fund?

- If your shares are held in a Brokerage Account, contact your Broker.
- If you have physical possession of your shares in certificate form, contact the Fund's Transfer Agent: *Computershare Trust Company, N.A., P.O. Box 30170 College Station, TX 77842-3170; (866) 488-3559 or online at www.computershare.com/investor*

This report is sent to shareholders of Fiduciary/Claymore MLP Opportunity Fund for their information. It is not a Prospectus, circular or representation intended for use in the purchase or sale of shares of the Fund or of any securities mentioned in this report.

A description of the Fund's proxy voting policies and procedures related to portfolio securities is available without charge, upon request, by calling the Fund at (888) 991-0091.

Information regarding how the Fund voted proxies for portfolio securities, if applicable, during the most recent 12-month period ended June 30, is also available, without charge and upon request by calling (888) 991-0091, by visiting the Fund's website at guggenheiminvestments.com/fmo or by accessing the Fund's Form N-PX on the U.S. Securities and Exchange Commission's (SEC) website at www.sec.gov.

The Fund files its complete schedule of portfolio holdings with the SEC for the first and third quarters of each fiscal year on Form N-Q. The Fund's Form N-Q is available on the SEC website at www.sec.gov or at guggenheiminvestments.com/fmo. The Fund's Form N-Q may also be viewed and copied at the SEC's Public Reference Room in Washington, DC; information on the operation of the Public Reference Room may be obtained by calling (800) SEC-0330.

Notice to Shareholders

Notice is hereby given in accordance with Section 23(c) of the Investment Company Act of 1940, as amended, that the Fund from time to time may purchase shares of its common stock in the open market or in private transactions.

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ABOUT THE FUND MANAGERS

Advisory Research, Inc.

Advisory Research, Inc., a registered investment adviser, is a wholly-owned subsidiary of Piper Jaffray Companies. As of November 30, 2017, the MLP & Energy Infrastructure team (“MLP Team”) at Advisory Research, Inc. managed approximately \$3.7 billion in MLP and energy infrastructure assets for open and closed end mutual funds, public and corporate pension plans, endowments and foundations and private wealth individuals.

Investment Philosophy

The MLP team’s investment philosophy is based on our belief that strategy dominates tactics. It is our expectation that a portfolio incorporating a well-founded top-down strategy, rigorous quantitative analysis, and strong fundamental research increases the probability of generating excess return relative to the benchmark. To manage risks in our portfolios, we limit concentration and generally exclude those issues that we believe to be of lower quality, and thus higher risk.

Our style is best described as a core, risk-aware approach with a bias over the long term towards higher-quality, higher-growth, and smaller capitalization MLPs and energy infrastructure companies.

Investment Process

The MLP Team seeks to achieve the Fund’s investment objective by investing primarily in securities of MLP (Master Limited Partnership) entities that the MLP Team believes offer attractive distribution rates and capital appreciation potential. Energy and natural resources represent a substantial portion of the MLP entities. In seeking investments, the MLP Team looks for MLPs that offer a combination of quality, growth and yield; intended to produce superior total returns over the long run. In selecting individual positions, the manager employs the MLP Team top-down process which considers a combination of quantitative, qualitative and relative value factors. The MLP Team emphasizes rigorous proprietary analysis and valuation models constructed and maintained by its in-house investment analysts, while maintaining active dialogues with research analysts covering the MLP entities and an ongoing relationship with company management. In applying its selection criteria, the manager considers a company’s proven track record, business prospects, strong record of distribution or dividend growth, ratios of debt to cash flow, coverage ratios with respect to distributions to unit holders, distribution incentive structure and the composition and goals of the company management team.

Advisory Research, Inc.
8235 Forsyth Boulevard
Suite 700
St. Louis, MO 63105

Guggenheim Funds Distributors, LLC
227 West Monroe Street
Chicago, IL 60606
Member FINRA/SIPC
(01/18)