

## STRATEGY INFORMATION

### Inception Date

October 1, 2000

### Total Strategy Assets<sup>1</sup>

\$3,025 million

### Portfolio Manager

Stephen Mullin, CFA

### Benchmark<sup>2</sup>

Bloomberg Barclays U.S. Long Gov't/Credit Index

### Investment Philosophy

We believe the fixed income markets are efficient with respect to interest rate risk, but regularly misprice securities that are exposed to credit, default and liquidity risks

### Investment Approach

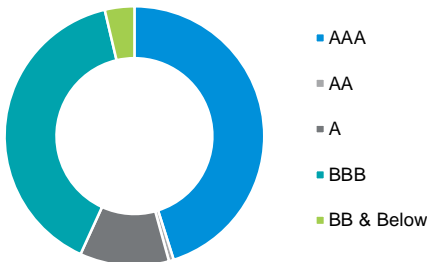
We seek to exploit inefficiencies in the market and provide clients with excess returns to the benchmark without incurring undue risk through:

- Conducting proprietary, in-depth fundamental research
- Analyzing capital structures and covenants
- Reviewing of company management and industry trends
- Targeting duration-neutral portfolios
- Constructing portfolios with attractive risk / reward characteristics

### Key Differentiators

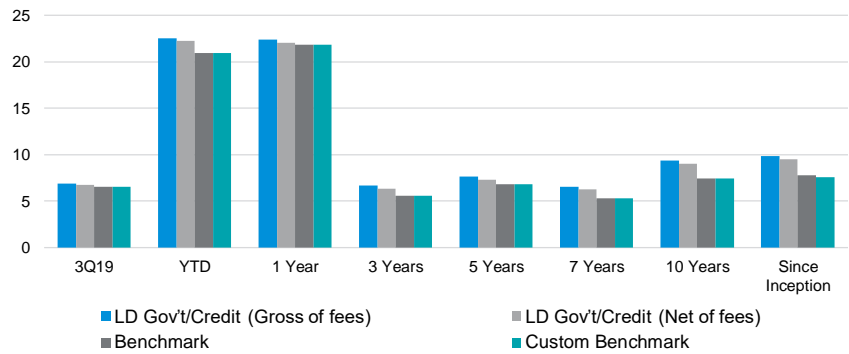
- Dedicated solely to the institutional marketplace
- The senior portfolio manager has been a member of the investment team for over 14 years
- Deep fundamental credit research capabilities with sector dedicated credit research analysts

## CREDIT QUALITY DISTRIBUTION (MV%)<sup>4</sup>



|            | LD Gov't/Credit | Benchmark |
|------------|-----------------|-----------|
| AAA        | 45.11           | 45.51     |
| AA         | 0.60            | 5.37      |
| A          | 11.11           | 19.92     |
| BBB        | 39.50           | 29.15     |
| BB & Below | 3.68            | 0.05      |

## COMPOSITE PERFORMANCE<sup>3</sup> (%)

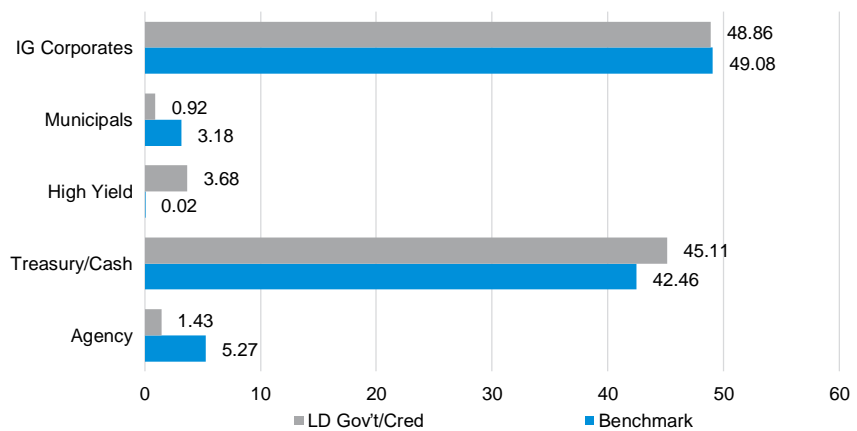


|                                 | 3Q19 | YTD   | 1 Year | 3 Years | 5 Years | 7 Years | 10 Years | Since Inception |
|---------------------------------|------|-------|--------|---------|---------|---------|----------|-----------------|
| LD Gov't/Credit (Gross of fees) | 6.86 | 22.52 | 22.40  | 6.69    | 7.64    | 6.58    | 9.36     | 9.88            |
| LD Gov't/Credit (Net of fees)   | 6.78 | 22.25 | 22.04  | 6.37    | 7.32    | 6.27    | 9.03     | 9.50            |
| Benchmark                       | 6.58 | 20.93 | 21.88  | 5.56    | 6.81    | 5.33    | 7.42     | 7.82            |
| Custom Benchmark <sup>2</sup>   | 6.58 | 20.93 | 21.88  | 5.56    | 6.81    | 5.33    | 7.42     | 7.60            |

## PORTFOLIO STATISTICS<sup>4</sup>

|                    | LD Gov't/Credit | Benchmark |
|--------------------|-----------------|-----------|
| Average Price (\$) | 115.54          | 120.08    |
| Yield (%)          | 3.28            | 2.96      |
| Effective Duration | 15.70           | 15.71     |
| Average Quality    | A1              | Aa3       |
| Coupon (%)         | 4.21            | 4.26      |
| Issues             | 192             | 2,420     |

## SECTOR POSITIONING (%)<sup>4</sup>



1. Stated at estimated fair value (unaudited). Long Duration Government/Credit is a strategy of public fixed income assets. Total Strategy Assets for Long Duration Government/Credit include all assets managed by MIM in the Long Duration Government/Credit strategy and may include certain assets that are not included in Composite Assets (as presented in GIPS® Composite Statistics and Performance table on the following page) for Long Duration Government/Credit.

2. The performance benchmark for the Long Duration Government/Credit Fixed Income ("LD Gov't/Credit") composite is the Bloomberg Barclays U.S. Long Government/Credit Index which measures the performance of a large group of high quality corporate and non-corporate bonds with maturities greater than 10 years. From inception date (October 1, 2000) to April 30, 2007, the performance benchmark was the Bloomberg Barclays U.S. Long Credit Index. From May 1, 2007 to the present, the performance benchmark is the Bloomberg Barclays U.S. Long Government/Credit Index. Therefore, the Custom Benchmark represents a blend of these benchmarks. The benchmark may not reflect holdings in all sectors targeted within this strategy. Please see the full GIPS® disclosures at the end of this document.

3. Past performance is not indicative of future results. Net of fee returns reflect the deduction of investment advisory fees and are calculated in the same manner as gross of fee returns. Net of fee returns are calculated using the highest fee rate disclosed in the Form ADV. Fees for separate accounts may be negotiable depending upon asset size and type of account.

4. The characteristics displayed are for a representative account for this investment strategy. Actual account characteristics may differ. All data above is provided for illustrative purposes only. This data is supplemental to the information required in a GIPS® compliant document. Credit ratings reflect the index provider's credit quality methodology. Average quality excludes cash and securities that are not rated.

## COMPOSITE STATISTICS AND PERFORMANCE

| Year                                | Gross-of-Fee Return | Net-of-Fee Return | Benchmark Return <sup>1</sup> | Number of Portfolios | Dispersion STDV <sup>2</sup> | Composite 3 Yr STDV <sup>3</sup> | Benchmark 3 YR STDV <sup>3</sup> | Composite Assets | % Total Firm Assets <sup>4</sup> |
|-------------------------------------|---------------------|-------------------|-------------------------------|----------------------|------------------------------|----------------------------------|----------------------------------|------------------|----------------------------------|
| 10/1/2000 (Inception) to 12/31/2000 | 3.58%               | 3.48%             | 3.42%                         | ≤ 5                  | N/A                          | N/A                              | N/A                              | \$64,224,959     | -                                |
| 2001                                | 15.32%              | 14.87%            | 12.16%                        | ≤ 5                  | N/A                          | N/A                              | N/A                              | \$67,801,077     | -                                |
| 2002                                | 13.95%              | 13.51%            | 11.92%                        | ≤ 5                  | N/A                          | N/A                              | N/A                              | \$65,521,694     | -                                |
| 2003                                | 16.01%              | 15.56%            | 10.43%                        | ≤ 5                  | N/A                          | N/A                              | N/A                              | \$62,017,551     | -                                |
| 2004                                | 10.75%              | 10.32%            | 9.38%                         | ≤ 5                  | N/A                          | N/A                              | N/A                              | \$84,580,301     | -                                |
| 2005                                | 3.70%               | 3.29%             | 3.76%                         | ≤ 5                  | N/A                          | N/A                              | N/A                              | \$160,204,628    | -                                |
| 2006                                | 6.38%               | 5.96%             | 3.47%                         | ≤ 5                  | N/A                          | N/A                              | N/A                              | \$228,068,440    | -                                |
| 2007                                | 6.23%               | 5.82%             | 6.81%                         | ≤ 5                  | N/A                          | N/A                              | N/A                              | \$271,552,419    | -                                |
| 2008                                | 0.40%               | 0.00%             | 8.44%                         | ≤ 5                  | N/A                          | N/A                              | N/A                              | \$491,356,184    | -                                |
| 2009                                | 17.53%              | 17.08%            | 1.92%                         | ≤ 5                  | N/A                          | N/A                              | N/A                              | \$526,594,005    | -                                |
| 2010                                | 14.05%              | 13.66%            | 10.16%                        | ≤ 5                  | N/A                          | N/A                              | N/A                              | \$709,023,577    | -                                |
| 2011                                | 24.16%              | 23.78%            | 22.49%                        | ≤ 5                  | N/A                          | 8.76%                            | 9.11%                            | \$799,108,103    | -                                |
| 2012                                | 13.73%              | 13.39%            | 8.78%                         | ≤ 5                  | N/A                          | 7.78%                            | 8.31%                            | \$316,047,255    | -                                |
| 2013                                | -6.31%              | -6.59%            | -8.83%                        | ≤ 5                  | N/A                          | 8.68%                            | 9.12%                            | \$360,822,259    | -                                |
| 2014                                | 19.32%              | 18.97%            | 19.31%                        | ≤ 5                  | N/A                          | 7.86%                            | 8.07%                            | \$517,057,494    | -                                |
| 2015                                | -3.98%              | -4.27%            | -3.30%                        | ≤ 5                  | N/A                          | 8.33%                            | 8.59%                            | \$613,629,220    | -                                |
| 2016                                | 9.82%               | 9.50%             | 6.67%                         | 6                    | N/A                          | 8.44%                            | 8.58%                            | \$1,237,333,782  | -                                |
| 2017                                | 11.81%              | 11.48%            | 10.71%                        | 6                    | N/A                          | 7.86%                            | 7.98%                            | \$1,796,710,628  | -                                |
| 2018                                | -4.78%              | -5.07%            | -4.68%                        | 5                    | N/A                          | 7.20%                            | 7.33%                            | \$1,653,060,590  | -                                |
| 1Q 2019                             | 7.28%               | 7.20%             | 6.45%                         | 8                    | N/A                          | N/A                              | N/A                              | \$2,287,607,722  | -                                |
| 2Q 2019                             | 6.87%               | 6.79%             | 6.59%                         | 8                    | N/A                          | N/A                              | N/A                              | \$2,331,339,293  | -                                |
| 3Q 2019                             | 6.86%               | 6.78%             | 6.58%                         | 8                    | N/A                          | N/A                              | N/A                              | \$2,364,646,327  | -                                |

Past performance is not indicative of future results. Please see the full GIPS® disclosures below.

- The performance benchmark from inception to April, 30, 2007 was the Bloomberg Barclays U.S. Long Credit Index and from May 1, 2007 to the present the benchmark is the Bloomberg Barclays U.S. Long Government/Credit Index, which measures the performance of a large group of high quality corporate bonds, U.S. Treasuries and government-related issues with maturities greater than 10 years. The Bloomberg Barclays U.S. Long Government/Credit Index is comprised of U.S. Government and investment grade rated credit issuers. To be index eligible, each security must be a minimum of \$250 million in size, have a maturity of 10 years or longer, be U.S. Dollar denominated, publicly issued, and carry a fixed coupon. The index was changed as the Bloomberg Barclays U.S. Long Government / Credit Index is more representative of the Long Duration Government/Credit strategy. All index returns presented are provided to represent the investment environment existing during the time periods shown and will not be covered by the future report of independent verifiers. For comparison purposes, the indices are fully invested, include the reinvestment of income, and are unmanaged and unavailable for direct investments. The returns for the indices do not include any transaction costs, management fees or other costs.
- The dispersion of annual returns is measured by the standard deviation among asset-weighted portfolio returns represented in the composite for the full year. "N/A" is an indication that the information is not statistically meaningful due to an insufficient number of portfolios (five or fewer) in the composite for the entire year. Standard deviation is only presented for accounts managed for a full calendar year.
- The three-year annualized standard deviation measures the variability of the composite and the benchmark returns over the preceding 36 month period. The standard deviation is not presented for 2000 through 2010 because it is not required for periods prior to 2011. It is also not presented for quarter-ends.
- Prior to July 1, 2019, the investment team was part of a prior firm. Therefore, "% Total Firm Assets" is left blank for year ends before the team joined MetLife Investment Management.

For purposes of the Global Investment Performance Standards ("GIPS") compliance, the "Firm" is defined as MetLife Investment Management ("MIM"). MIM is MetLife, Inc.'s institutional investment management business. The Firm is defined to include all accounts captured in MetLife's Assets Under Management. On September 15, 2017, MetLife, Inc. ("MetLife") acquired Logan Circle Partners ("LCP") and the Firm was redefined as of July 1, 2019 to include LCP in the MIM assets.

The Firm claims compliance with the Global Investment Performance Standards ("GIPS®") and has prepared and presented this report in compliance with the GIPS® standards. MIM has been independently verified for the periods January 1, 2011 to December 31, 2017. Verification assesses whether (1) the firm has complied with all the composite construction requirements of the GIPS® standards on a firm-wide basis and (2) the firm's policies and procedures are designed to calculate and present performance in compliance with the GIPS® standards. Verification does not ensure the accuracy of any specific composite documents.

The creation date of the Intermediate Government/Credit Fixed Income ("Intermediate Government/Credit") composite is November 1, 2007 and the inception date is October 1, 2000. Prior to July 1, 2019, the performance of the composite represents the performance that occurred while members of the management team were affiliated with prior firms. The composite has been examined for the periods November 1, 2007 to December 31, 2017 while at another firm. The prior firm LCP, was verified for the periods November 1, 2007 to December 31, 2017. The verification and performance examination reports are available upon request.

The Long Duration Government/Credit Fixed Income strategy seeks to outperform the long maturity U.S. bond market by investing in fixed income securities across the government, corporate and structured markets. Effective December 1, 2014 the composite contains fully discretionary, fee-paying fixed income accounts with assets exceeding \$20 million, managed in accordance with the applicable composite strategy except as otherwise excluded herein. Prior to December 1, 2014 there was no minimum account size for the composite. Derivatives may make up a part of the Long Duration Government/Credit strategy, as the Firm may utilize futures, forwards and interest rate swaps to manage risk rather than for speculative purposes. The Firm maintains a complete list and description of composites which are available upon request. Policies for valuing portfolios, calculating performance and preparing compliant documents are available upon request.

Effective April 1, 2017 the Firm removes accounts that have a significant monthly external aggregate cash flow greater than 10%. From April 1, 2011 to May 1, 2013 the Long Duration Government/Credit Fixed Income composite had a significant cash flow policy which was applied consistently and within GIPS® standards. The Firm chose to remove accounts that had a significant monthly external aggregate cash flow greater than 10%. Aggregate cash flow was defined as additions plus withdrawals over the monthly period. If the significant cash flow was client directed, requiring security liquidation that materially affected account management, the Firm removed the account during the month of such security liquidations. The account would be reinstated to the composite once the portfolio manager determined the flow had not impacted the management of the account and the account was invested as per the strategy. Additional information regarding the treatment of significant cash flows is available upon request.

The performance benchmark from inception to April, 30, 2007 was the Bloomberg Barclays U.S. Long Credit Index and from May 1, 2007 to the present the benchmark is the Bloomberg Barclays U.S. Long Government/Credit Index, which measures the performance of a large group of high quality corporate bonds, U.S. Treasuries and government-related issues with maturities greater than 10 years. The Bloomberg Barclays U.S. Long Government/Credit Index is comprised of U.S. Government and investment grade rated credit issuers. To be index eligible, each security must be a minimum of \$250 million in size, have a maturity of 10 years or longer, be U.S. Dollar denominated, publicly issued, and carry a fixed coupon. The index was changed as the Bloomberg Barclays U.S. Long Government / Credit Index is more representative of the Long Duration Government/Credit strategy. It is not possible to invest directly in an unmanaged index. All index returns presented are provided to represent the investment environment existing during the time periods shown and will not be covered by the future report of independent verifiers. For comparison purposes, the indices are fully invested, include the reinvestment of income, and are unmanaged and unavailable for direct investments. The returns for the indices do not include any transaction costs, management fees or other costs.

Returns are based on fully discretionary accounts under management and may include terminated accounts. The dispersion of annual returns is measured by the standard deviation among asset-weighted portfolio returns represented within the composite for the full year. Dispersion is not calculated for composites with five or fewer accounts for the whole period.

Performance returns are presented gross and net of fees, include the reinvestment of all income and are calculated in U.S. dollars. Dividend income has been recorded net of all applicable foreign withholding taxes. Returns calculated gross of fees do not reflect the deduction of our investment management fees. Individual client returns will be reduced by investment management fees and other expenses that the account may incur. The investment management fee schedule for the Long Duration Government/Credit strategy is 0.30% on the first \$100 million, 0.25% on amounts from \$100 million to \$250 million and 0.20% on amounts over \$250 million. Net returns have been calculated by reducing the monthly gross returns by the highest stated ADV fee for the strategy. From inception date to November 2009, the highest stated ADV fee used to calculate monthly net returns was 0.40%. From December 2009 to March 2018 the highest stated ADV fee was 0.35%. From April 2018 to the present the highest stated ADV fee is 0.30%. Investment management fees are described in Part 2A of the Firm's Form ADV. Individual client returns will be reduced by investment management fees and other expenses that the account may incur. Fees have a compounding effect on cumulative results. Actual investment management fees incurred by clients may vary.

Past performance is not indicative of future results. The information presented is available for institutional client use only.

## General Disclosures

MetLife, Inc. provides investment management services to affiliates and unaffiliated/third party clients through various subsidiaries.<sup>1</sup> MetLife Investment Management (“MIM”), MetLife, Inc.’s institutional investment management business, is responsible for investments in a range of asset sectors, public and privately sourced, including corporate and infrastructure private placement debt, real estate equity, commercial mortgage loans, customized index strategies, structured finance, emerging market debt, and high yield debt. The information contained herein is intended to provide you with an understanding of the depth and breadth of MIM’s investment management services and investment management experience. This document has been provided to you solely for informational purposes and does not constitute a recommendation regarding any investments or the provision of any investment advice, or constitute or form part of any advertisement of, offer for sale or subscription of, solicitation or invitation of any offer or recommendation to purchase or subscribe for any securities or investment advisory services. Unless otherwise specified, the information and opinions presented or contained in this document are provided as of the quarter end noted herein. It should be understood that subsequent developments may affect the information contained in this document materially, and MIM shall not have any obligation to update, revise or affirm. It is not MIM’s intention to provide, and you may not rely on this document as providing, a complete or comprehensive analysis of MIM’s investment portfolio, investment strategies or investment recommendations.

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<sup>1</sup> As of September 30, 2019, subsidiaries of MetLife, Inc. that provide investment management services to MetLife’s general account, separate accounts and/or unaffiliated/third party investors include Metropolitan Life Insurance Company, MetLife Investment Advisors, LLC (“MLIA”), MetLife Investment Management Limited, MetLife Investments Limited, MetLife Investments Asia Limited, MetLife Latin America Aseorias e Inversiones Limitada, MetLife Asset Management Corp. (Japan), Logan Circle Partners, L.P. (“LCP”) and Logan Circle Partners I, LLC (“LCP I”). Effective July 1, 2019, LCP merged with and into MLIA and the combined entity was renamed MetLife Investment Management, LLC and LCP I was renamed MIM I, LLC.