## MassMutual Ascend Life Insurance Company (MMALIC) Funds Withheld Reinsurance Supplement

Year Ended December 31, 2022 (Dollars in Millions)

|  | December 31, 2022                                 |                              |  |
|--|---|------------------------------|--|
|  | MMALIC, Gross of<br>Funds Withheld<br>Reinsurance | Funds<br>Withheld Adjustment | MMALIC, Net of Funds<br>Withheld Reinsurance |
| ASSET MIX  |   |                              |  |
| Non-Affiliated                                     |   |                              |  |
| Corporate Bonds                                    | 16,145  | 5,401                        | 10,744                                       |
| US Gov't, Agencies, Municipals, Foreign Gov't      | 2,273   | 391                          | 1,882  |
| RMBS   | 2,738   | 1,493                        | 1,245  |
| CMBS   | 1,515   | 809                          | 706  |
| Other ABS (including CLOs)                         | 10,155  | 2,732                        | 7,423  |
| Mortgage Loans and Real Estate                     | 3,089   | 372                          | 2,717  |
| Schedule BA Assets                                 | 1,211   | 22                           | 1,189  |
| Unaffiliated Stocks                                | 466   | 28                           | 438  |
| Total Non-Affiliated                               | 37,592  | 11,248                       | 26,344                                       |
| Affiliated   |   |                              |  |
| Corporate Bonds                                    | 106   | 70                           | 36   |
| US Gov't, Agencies, Municipals, Foreign Gov't      | 0   | 0                            | 0  |
| RMBS   | 0   | 0                            | 0  |
| CMBS   | 0   | 0                            | 0  |
| Other ABS (including CLOs)                         | 400   | 226                          | 174  |
| Mortgage Loans and Real Estate                     | 0   | 0                            | 0  |
| Schedule BA Assets                                 | 152   | 86                           | 66   |
| Affiliated Stocks                                  | 402   | 0                            | 402  |
| Total Affiliated                                   | 1,060   | 382                          | 678  |
| Other  |   |                              |  |
| Cash, Cash Equivalents, and Short-Term Investments | 1,991   | 975                          | 1,016  |
| Derivatives  | 873   | 0                            | 873  |
| All Other  | 174   | 0                            | 174  |
| Total Other  | 3,038   | 975                          | 2,063  |
| Total Cash and Invested Assets                     | 41,690  | 12,605                       | 29,085                                       |
| CREDIT QUALITY                                     |   |                              |  |
| NAIC 1   | 17,729  | 5,548                        | 12,181                                       |
| NAIC 2   | 13,435  | 4,752                        | 8,683  |
| Investment Grade                                   | 31,164  | 10,300                       | 20,864                                       |
| NAIC 3   | 1,474   | 744                          | 730  |
| NAIC 4   | 455   | 58                           | 397  |
| NAIC 5   | 209   | 13                           | 196  |
| NAIC 6   | 30  | 7                            | 23   |
| Below Investment Grade                             | 2,168   | 822                          | 1,346  |
| Total Bonds  | 33,332  | 11,122                       | 22,210                                       |