

| LIFE, ACCIDENT AND HEAL | TH COMPANIES/FRATERNAL | BENEFIT SOCIETIES - ASSOCIA | | 2 0 1 0 0 1 0 2 |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | QUAR | TERLY STATEN | ENT | |
| | | AS OF JUNE 30, 2022 E CONDITION AND AFFAIRS OF | | |
| | NUITY INVESTO | NAIC Company Code 93661 E | | |
| Organized under the Laws of | (Current) (Prior) | , State of Domicile | | |
| Country of Domicile | | United States of America | | |
| icensed as business type: | Life Accider | | rieties [] | |
| | 11/13/1981 | | | |
| | | | ····· | 12/21/1981 |
| | 301 East Fourth Street (Street and Number) | | Cincinnati, OH (City or Town, State, Co | |
| Main Administrative Office | | 301 East Fourth Street | | |
| Cin | cinnati, OH, US 45202 | (Street and Number) | 513-357 | -3300 |
| (City or Tow | n, State, Country and Zip Code) | | (Area Code) (⊺ele | |
| Mail Address | Post Office Box 5423 (Street and Number or P.O. Box) | · · | Cincinnati, OH | |
| Primary Location of Books and Rec | , | | (City or Town, State, Co | buntry and Zip Code) |
| | | 301 East Fourth Street (Street and Number) | | |
| | cinnati, OH, US 45202 n, State, Country and Zip Code) | | 513-357 (Area Code) (Tele | |
| nternet Website Address | | www.massmutual.com | (| , |
| Statutory Statement Contact | Robert Mayhew E | | | -412-1735 |
| | (Name) | arie II | (Area Code) (| Telephone Number) |
| | rearle@gaig.com (E-mail Address) | | 513-412 (FAX Nu | |
| | | OFFICERS | | |
| | Mark Francis Muething | | asurerB | rian Patrick Sponaugle # |
| Secretary | John Paul Gruber | Appointed A | ctuary | Richard Lee Sutton |
| Adrienne Susan | Baglier | OTHER Michael Robert Fanning | | Michael Harrison Haney |
| Dominic Lusear | | DIRECTORS OR TRUSTEES Elizabeth Ward Chicares | | Super Maria Ciasa |
| Geoffrey James C Paul Anthony La | raddock | Roger William Crandall Mark Francis Muething | | Susan Marie Cicco Michael Robert Fanning |
| Eric William Pa | | Gareth Fielding Ross | | Michael James O'Connor Arthur William Wallace III |
| tate of | 05 | | | |
| County of | Ohio Hamilton SS | 5: | | |
| | | | | |
| atement, together with related exh ondition and affairs of the said reput accordance with the NAIC Annual | were the absolute property of the sa ibits, schedules and explanations the orting entity as of the reporting period al Statement Instructions and Account | id reporting entity, free and clear from erein contained, annexed or referred to, d stated above, and of its income and d nting Practices and Procedures manual | any liens or claims there is a full and true statemen eductions therefrom for the | that on the reporting period stated above on, except as herein stated, and that thi it of all the assets and liabilities and of the period ended, and have been complete (1) state law may differ, or, (2) that stat their information, knowledge and beliet |
| succively. Furthermore, the sco | be of this attestation by the describe | officers also includes the related corr | ocnanding alactronic filing | their information, knowledge and belie with the NAIC, when required, that is a various regulators in lieu of or in additio |
| IN IN | | 51 194 | C12 | spa |
| Mark Francis Muethin President | g | John Paul Gruber Secretary | | Brian Patrick Sponaugle Treasurer |
| ubscribed and sworn to before me SHA day of A AVOULLY | this 1945 August 2022 H. Tisher | b. If no, 1. State the 2. Date filed | ginal filing? amendment number f pages attached | |
| OFFICERS AND TELEPISE | O DIBY YON WE WITTS FEPPICA NOTARY PUBLIC - OHIO COUNTY OF HAMILTON MY COMMISSION EXPIRES 07-19-25 | TED POSITION IN THE PREVIOUS AN | NNUAL STATEMENT | |

| | AS | SETS | | | |
|-------|----------------------------------------------------------------------------|---------------|------------------------|--------------------------|-------------------------------|
| | | | Current Statement Date | | 4 |
| | | 1 | 2 | 3 Net Admitted Assets | December 31 Prior Year Net |
| | | Assets | Nonadmitted Assets | (Cols. 1 - 2) | Admitted Assets |
| 1. | Bonds | | 0 | 2,292,030,588 | |
| 2. | Stocks: | | | | |
| | 2.1 Preferred stocks | | | 0 | |
| | 2.2 Common stocks | 0 | 0 | 0 | |
| 3. | Mortgage loans on real estate: | | | | |
| | 3.1 First liens | 0 | 0 | 0 | |
| | 3.2 Other than first liens | 0 | 0 | 0 | |
| 4. | Real estate: | | | | |
| | 4.1 Properties occupied by the company (less \$ | | | | |
| | encumbrances) | 0 | 0 | 0 | |
| | 4.2 Properties held for the production of income (less | | | | |
| | \$ | 0 | 0 | 0 | |
| | 4.3 Properties held for sale (less \$ | | | | |
| | encumbrances) | 0 | 0 | 0 | |
| 5. | Cash (\$10,420,008), cash equivalents | | | | |
| 0. | (\$ | | | | |
| | investments (\$ | 120 102 073 | 0 | 120 102 073 | 220 235 013 |
| 0 | | | | | |
| | Contract loans (including \$ premium notes) | | | | 47, 190, 707 |
| 7. | Derivatives | | | | |
| 8. | Other invested assets | | | | |
| 9. | Receivables for securities | | | 0 | |
| 10. | Securities lending reinvested collateral assets | | | 0 | |
| 11. | Aggregate write-ins for invested assets | | | | 0 |
| 12. | Subtotals, cash and invested assets (Lines 1 to 11) | 2,481,580,334 | 0 | 2,481,580,334 | 2,507,812,874 |
| 13. | Title plants less \$ charged off (for Title insurers | | | | |
| | only) | | | 0 | |
| 14. | Investment income due and accrued | | 0 | | |
| 15. | Premiums and considerations: | | | | |
| | 15.1 Uncollected premiums and agents' balances in the course of collection | 0 | 0 | 0 | |
| | 15.2 Deferred premiums, agents' balances and installments booked but | | | | |
| | deferred and not yet due (including \$ | | | | |
| | earned but unbilled premiums) | | | 0 | |
| | 15.3 Accrued retrospective premiums (\$ | | | | |
| | | 0 | 0 | 0 | |
| 16. | Reinsurance: | | | | |
| | 16.1 Amounts recoverable from reinsurers | 0 | 0 | 0 | |
| | 16.2 Funds held by or deposited with reinsured companies | | | 0 | |
| | 16.3 Other amounts receivable under reinsurance contracts | | | - | |
| 17. | Amounts receivable relating to uninsured plans | | | | |
| | Current federal and foreign income tax recoverable and interest thereon | | | 2,084,755 | |
| | Net deferred tax asset | | | | 1,201,225 |
| | | | | | 4,983 |
| 19. | Guaranty funds receivable or on deposit | | | | |
| 20. | Electronic data processing equipment and software | 0 | 0 | 0 | |
| 21. | Furniture and equipment, including health care delivery assets | | | | |
| | (\$ | | | | |
| 22. | Net adjustment in assets and liabilities due to foreign exchange rates | | | 0 | |
| 23. | Receivables from parent, subsidiaries and affiliates | | | | 1,500,787 |
| 24. | Health care (\$ | | | 0 | |
| 25. | Aggregate write-ins for other than invested assets | 1,036,772 | | | |
| 26. | Total assets excluding Separate Accounts, Segregated Accounts and | 0 500 000 000 | 100,050 | 0 500 157 474 | 0 504 000 505 |
| | Protected Cell Accounts (Lines 12 to 25) | | | 2,508,157,474 . | 2, 334, 960, 535 |
| 27. | From Separate Accounts, Segregated Accounts and Protected Cell Accounts | 515.379.650 | 0 | | |
| 28. | Total (Lines 26 and 27) | 3,023,675,976 | | 3,023,537,124 | 3,225,731,745 |
| | DETAILS OF WRITE-INS | 0,020,0.0,0.0 | | 0,020,000, 121 | 0,220,101,110 |
| 1104 | | | | | |
| 1101. | | | | | |
| 1102. | | | | | |
| 1103. | | | | | - |
| 1198. | Summary of remaining write-ins for Line 11 from overflow page | | | | 0 |
| 1199. | Totals (Lines 1101 through 1103 plus 1198)(Line 11 above) | 0 | - | 0 | 0 |
| 2501. | Accrued contractual fee income | | | | |
| 2502. | Receivable for marketing reallowance | | | | |
| 2503. | Other Assets | | , | 21,499 | |
| 2598. | Summary of remaining write-ins for Line 25 from overflow page | 0 | 0 | 0 | |
| | Totals (Lines 2501 through 2503 plus 2598)(Line 25 above) | 1,036,772 | 58,165 | 978,607 | 3,076,864 |

ASSETS

LIABILITIES, SURPLUS AND OTHER FUNDS

| 4 | | 1 Current Statement Date | 2 December 31 Prior Year |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|
| | Aggregate reserve for life contracts \$ | | |
| 3. | Aggregate reserve for accident and health contracts (including \$ Modco Reserve) Liability for deposit-type contracts (including \$ Modco Reserve) | | |
| 4. | Contract claims: 4.1 Life | | 5, 119, 354 |
| 5. | 4.2 Accident and health Policyholders' dividends/refunds to members \$ and coupons \$ due | | 0 |
| | and unpaid | | 0 |
| 6. | Provision for policyholders' dividends, refunds to members and coupons payable in following calendar year - estimated amounts: | | |
| | 6.1 Policyholders' dividends and refunds to members apportioned for payment (including \$ | | |
| | 6.3 Coupons and similar benefits (including \$ Modco) | | |
| 7. 8. | Amount provisionally held for deferred dividend policies not included in Line 6 Premiums and annuity considerations for life and accident and health contracts received in advance less | | |
| | \$discount; including \$accident and health premiums | | |
| | 9.1 Surrender values on canceled contracts 9.2 Provision for experience rating refunds, including the liability of \$ accident and health experience rating refunds of which \$ 0 is for medical loss ratio rebate per the Public Health | | |
| | Service Act | | |
| | 9.3 Other amounts payable on reinsurance, including \$0 assumed and \$0 ceded | 0 | |
| | 9.4 Interest Maintenance Reserve | | |
| | Commissions to agents due or accrued-life and annuity contracts \$ | | |
| 12. | General expenses due or accrued | | |
| 13. | Transfers to Separate Accounts due or accrued (net) (including \$(9, 154) accrued for expense allowances recognized in reserves, net of reinsured allowances | (9.154) | (119 |
| 14. | Taxes, licenses and fees due or accrued, excluding federal income taxes | | |
| | Current federal and foreign income taxes, including \$ on realized capital gains (losses) | 0 | |
| 17. | Amounts withheld or retained by reporting entity as agent or trustee | | |
| 18. 19. | Amounts held for agents' account, including \$ | | |
| 20. | Net adjustment in assets and liabilities due to foreign exchange rates | | |
| 21. 22. | Liability for benefits for employees and agents if not included above | | |
| 23. 24. | Dividends to stockholders declared and unpaid | | |
| 24. | 24.01 Asset valuation reserve | | |
| | 24.03 Funds held under reinsurance treaties with unauthorized and certified (\$) reinsurers 24.04 Payable to parent, subsidiaries and affiliates | 554 000 | |
| | 24.05 Drafts outstanding | | |
| | 24.06 Liability for amounts held under uninsured plans | | |
| | 24.07 Funds held under coinsurance 24.08 Derivatives | 0 | (|
| | 24.09 Payable for securities | | |
| | 24.10 Capital notes \$ and interest thereon \$ | | |
| | Aggregate write-ins for liabilities | 978,418 2,132,716,510 | 2,946,03 |
| 27. | From Separate Accounts Statement | 515,379,650 | |
| 28. | Total liabilities (Lines 26 and 27) Common capital stock | 2,648,096,160 | 2,855,229,785 |
| 29. 30. | Common capital stock | | |
| 31. | Aggregate write-ins for other than special surplus funds | 0 | (|
| 32. 33. | Surplus notes | | 171 550 00 |
| 34. | Aggregate write-ins for special surplus funds | 0 | (|
| 35. 36. | Unassigned funds (surplus) Less treasury stock, at cost: 36.1 | | |
| | 36.2 shares preferred (value included in Line 30 \$ | 0 | |
| 37. 38. | Surplus (Total Lines 31+32+33+34+35-36) (including \$ in Separate Accounts Statement) | 372,940,964 375,440,964 | 368,001,960 370,501,960 |
| 30. 39. | Totals of Lines 29, 30 and 37 | 3,023,537,124 | 3,225,731,74 |
| 0501 | DETAILS OF WRITE-INS Unclaimed property | 079 419 | 005 000 |
| | Liability for funds held as collateral | 0 | |
| 2598. | Summary of remaining write-ins for Line 25 from overflow page | 0 | (|
| 2 <u>599.</u> 3101. | Totals (Lines 2501 through 2503 plus 2598)(Line 25 above) | 978,418 | 2,946,03 |
| 3102. | | | |
| 8103. 8198. | Summary of remaining write-ins for Line 31 from overflow page | | |
| 3199. | Totals (Lines 3101 through 3103 plus 3198)(Line 31 above) | 0 | |
| 3401. 3402. | | | |
| | | | |
| 3403. 3498. | Summary of remaining write-ins for Line 34 from overflow page | | |

SUMMARY OF OPERATIONS

| | | 1 Current Year To Date | 2 Prior Year To Date | 3 Prior Year Ended December 31 |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------|--------------------------------------|
| 1. | | | | |
| 2. | , , , , , , , , , , , , , , , , , , , | | | |
| 3. 4. | Net investment income Amortization of Interest Maintenance Reserve (IMR) | | 400.888 | 1,444,447 |
| 5. | Separate Accounts net gain from operations excluding unrealized gains or losses | | ····· , | |
| 6. | Commissions and expense allowances on reinsurance ceded | | | |
| 7. 8. | Reserve adjustments on reinsurance ceded Miscellaneous Income: | | | |
| 0. | 8.1 Income from fees associated with investment management, administration and contract | | | |
| | guarantees from Separate Accounts | | 4,519,109 | |
| | 8.2 Charges and fees for deposit-type contracts | | 64,868 1,645,037 | |
| 9. | 8.3 Aggregate write-ins for miscellaneous income Totals (Lines 1 to 8.3) | 99,114,136 | 113.615.396 | 216,811,367 |
| 10. | | | ,0,0,000 | , |
| 11. | Matured endowments (excluding guaranteed annual pure endowments) | 0 | | |
| 12. | Annuity benefits | 10,708,048 | | |
| 13. 14. | Disability benefits and benefits under accident and health contracts | | | |
| 15. | Surrender benefits and withdrawals for life contracts | | | |
| 16. | Group conversions | 0 | | |
| 17. | Interest and adjustments on contract or deposit-type contract funds | 2,351,317 | 1,905,443 | 4,530,593 |
| 18. 19. | Payments on supplementary contracts with life contingencies Increase in aggregate reserves for life and accident and health contracts | 0 | (33,264,478) | (65,290,003) |
| 20. | Totals (Lines 10 to 19) | 105 516 395 | | |
| 21. | Commissions on premiums, annuity considerations, and deposit-type contract funds (direct | | | |
| | business only) | | | |
| 22. 23. | Commissions and expense allowances on reinsurance assumed | U | 6 948 554 | 12,349,060 |
| 23. | Insurance taxes, licenses and fees, excluding federal income taxes | | | |
| 25. | Increase in loading on deferred and uncollected premiums | 0 | | |
| 26. | Net transfers to or (from) Separate Accounts net of reinsurance | | | (76,609,193) |
| 27. 28. | Aggregate write-ins for deductions | 0 85,778,430 | 0 95,083,283 | 185,296,492 |
| 20. 29. | Totals (Lines 20 to 27) Net gain from operations before dividends to policyholders and federal income taxes (Line 9 minus | 05,770,450 | 93,003,203 | 105,290,492 |
| 20. | Line 28) | | | |
| 30. | Dividends to policyholders and refunds to members | 0 | | |
| 31. | Net gain from operations after dividends to policyholders, refunds to members and before federal income taxes (Line 29 minus Line 30) | 13 335 706 | 18 532 113 | |
| 32. | Federal and foreign income taxes incurred (excluding tax on capital gains) | 3,970,293 | 3,316,099 | 5,320,850 |
| 33. | Net gain from operations after dividends to policyholders, refunds to members and federal income | 0.005.000 | 15 010 014 | |
| 24 | taxes and before realized capital gains or (losses) (Line 31 minus Line 32) | | | |
| 34. | Net realized capital gains (losses) (excluding gains (losses) transferred to the IMR) less capital gains tax of \$ | | | |
| | transferred to the IMR) | 3,676,622 | 465,134 | 1,920,608 |
| 35. | Net income (Line 33 plus Line 34) | 13,042,035 | 15,681,148 | 28,114,633 |
| | CAPITAL AND SURPLUS ACCOUNT | | | |
| 36. | Capital and surplus, December 31, prior year | 370,501,960 | 343,271,691 15,681,148 | <u>343,271,691</u> 28,114,633 |
| 37. 38. | Net income (Line 35) Change in net unrealized capital gains (losses) less capital gains tax of \$ | | | |
| 39. | Change in net unrealized foreign exchange capital gain (loss) | | | |
| 40. | Change in net deferred income tax | (2,595,161) | (113,929) | |
| 41. | Change in nonadmitted assets | | | |
| 42. 43. | Change in liability for reinsurance in unauthorized and certified companies Change in reserve on account of change in valuation basis, (increase) or decrease | | | |
| 44. | Change in asset valuation reserve | | | |
| 45. | Change in treasury stock | | | |
| 46. | Surplus (contributed to) withdrawn from Separate Accounts during period | | | |
| 47. 48. | Other changes in surplus in Separate Accounts Statement Change in surplus notes | | | |
| 49. | Cumulative effect of changes in accounting principles | | | |
| 50. | Capital changes: | | | |
| | 50.1 Paid in | | | |
| | 50.2 Transferred from surplus (Stock Dividend) | | | |
| 51. | Surplus adjustment: | | | |
| | 51.1 Paid in | | 0 | 0 |
| | 51.2 Transferred to capital (Stock Dividend) | | | |
| | 51.3 Transferred from capital | | | |
| 52. | Dividends to stockholders | | 0 | |
| 53. | Aggregate write-ins for gains and losses in surplus | 0 | 0 | 0 |
| 54. | Net change in capital and surplus for the year (Lines 37 through 53) | 4,939,004 | 14,812,712 | |
| 55. | Capital and surplus, as of statement date (Lines 36 + 54) | 375,440,964 | 358,084,403 | 370,501,960 |
| 08 301 | DETAILS OF WRITE-INS Contractual rider fee income | 270 ALL | 770 766 | |
| | Marketing reallowance | | | 1,544,118 |
| 08.303. | Contractual annual maintenance and surrender charge fees | | | |
| | Summary of remaining write-ins for Line 8.3 from overflow page | | | |
| | Totals (Lines 08.301 through 08.303 plus 08.398) (Line 8.3 above) | | 1,645,037 | 3,305,182 |
| | | | | |
| 2703. | | | | |
| | Summary of remaining write-ins for Line 27 from overflow page | | 0 | 0 |
| | Totals (Lines 2701 through 2703 plus 2798)(Line 27 above) | 0 | 0 | 0 |
| | | | | |
| 5302. 5303. | | | | |
| | Summary of remaining write-ins for Line 53 from overflow page | | | 0 |
| | Totals (Lines 5301 through 5303 plus 5398)(Line 53 above) | 0 | 0 | 0 |

CASH FLOW

| | | 1 Current Year | 2 Prior Year | 3 Prior Year Ended |
|-----|----------------------------------------------------------------------------------------------------------------|-------------------|-----------------|-----------------------|
| | - | To Date | To Date | December 31 |
| | Cash from Operations | | | |
| 1. | Premiums collected net of reinsurance | | | |
| 2. | Net investment income | | | |
| 3. | Miscellaneous income | 5,603,296 | 6,190,530 | 12,552,15 |
| 4. | Total (Lines 1 to 3) | 102,370,305 | 119,104,841 | 227,478,51 |
| 5. | Benefit and loss related payments | | | |
| 6. | Net transfers to Separate Accounts, Segregated Accounts and Protected Cell Accounts | | | |
| 7. | Commissions, expenses paid and aggregate write-ins for deductions | 9,947,252 | | |
| 8. | Dividends paid to policyholders | 0 | 0 . | |
| 9. | Federal and foreign income taxes paid (recovered) net of \$(3,880,720) tax on capital | | | |
| | gains (losses) | 5,844,087 | 4,363,817 | 6,581,02 |
| 10. | Total (Lines 5 through 9) | 121,287,599 | 129,203,599 | 250,028,8 |
| 11. | Net cash from operations (Line 4 minus Line 10) | (18,917,294) | (10,098,758) | (22,550,36 |
| | Cash from Investments | | | |
| 12. | Proceeds from investments sold, matured or repaid: | | | |
| | 12.1 Bonds | | | |
| | 12.2 Stocks | | | |
| | 12.3 Mortgage loans | 0 | 0 | |
| | 12.4 Real estate | | | |
| | 12.5 Other invested assets | | | |
| | 12.6 Net gains or (losses) on cash, cash equivalents and short-term investments | | | |
| | 12.7 Miscellaneous proceeds | 0 | 0 | |
| | 12.8 Total investment proceeds (Lines 12.1 to 12.7) | | | 428 176 8 |
| 3. | Cost of investments acquired (long-term only): | | | |
| | 13.1 Bonds | 260 554 941 | 179 484 138 | 247 091 4 |
| | 13.2 Stocks | | | |
| | 13.3 Mortgage loans | | | |
| | 13.4 Real estate | 0 | | |
| | | | 0 | |
| | | 5 1,686,820 | 5,069,687 | 10 600 0 |
| | 13.6 Miscellaneous applications | , , | , , | 13,623,2 |
| | 13.7 Total investments acquired (Lines 13.1 to 13.6) | 262,241,766 | 184,553,825 | 260,714,6 |
| 14. | Net increase (or decrease) in contract loans and premium notes | (1,003,559) | (1,789,743) | (3,452,0 |
| 15. | Net cash from investments (Line 12.8 minus Line 13.7 and Line 14) | (95,810,364) | 7,355,417 | 170,914,2 |
| | Cash from Financing and Miscellaneous Sources | | | |
| 16. | Cash provided (applied): | 0 | ^ | |
| | 16.1 Surplus notes, capital notes | | | |
| | 16.2 Capital and paid in surplus, less treasury stock | | | |
| | 16.3 Borrowed funds | | | |
| | 16.4 Net deposits on deposit-type contracts and other insurance liabilities | | | |
| | 16.5 Dividends to stockholders | | | |
| | 16.6 Other cash provided (applied) | 8,461,282 | 8,402,564 | (1,541,1 |
| 17. | Net cash from financing and miscellaneous sources (Line 16.1 through Line 16.4 minus Line 16.5 plus Line 16.6) | 5,594,718 | 5,086,809 | (7,878,9 |
| | RECONCILIATION OF CASH, CASH EQUIVALENTS AND SHORT-TERM INVESTMENTS | | | |
| 8. | | (109,132,940) | 2,343,468 | |
| 19. | Cash, cash equivalents and short-term investments: | | | |
| | 19.1 Beginning of year | | | |
| | | . , | | 229,235,0 |

| 20.0001. Exchanges | 6,996,098 | 4.597.987 | 14.210.125 | | | | |
|--------------------|-----------|-----------|------------|--|--|--|--|
| 20.0002. Transfers | 0 | | | | | | |
| | | | | | | | |

EXHIBIT 1

DIRECT PREMIUMS AND DEPOSIT-TYPE CONTRACTS

| | DIRECT FREMIUMS AND DEFOSIT-TIFE C | ONTRACTS | â | |
|-------|---------------------------------------------------------------|------------------------------|----------------------------|--------------------------------------|
| | | 1 Current Year To Date | 2 Prior Year To Date | 3 Prior Year Ended December 31 |
| 1. | Industrial life | | | 0 |
| 2. | Ordinary life insurance | | | 0 |
| 3. | Ordinary individual annuities | | 40,948,084 | |
| 4. | Credit life (group and individual) | | | 0 |
| 5. | Group life insurance | | | 0 |
| 6. | Group annuities | 12,255,074 | 11,345,620 | |
| 7. | A & H - group | | | 0 |
| 8. | A & H - credit (group and individual) | | | 0 |
| 9. | A & H - other | | | 0 |
| 10. | Aggregate of all other lines of business | 0 | 0 | 0 |
| 11. | Subtotal (Lines 1 through 10) | 45,928,902 | | |
| 12. | Fraternal (Fraternal Benefit Societies Only) | | | 0 |
| 13. | Subtotal (Lines 11 through 12) | 45,928,902 | | |
| 14. | Deposit-type contracts | 0 | 0 | 0 |
| 15. | Total (Lines 13 and 14) | 45,928,902 | 52,293,704 | 97,433,638 |
| | DETAILS OF WRITE-INS | | | |
| 1001. | | | | |
| 1002. | | | | |
| 1003. | | | | |
| 1098. | Summary of remaining write-ins for Line 10 from overflow page | 0 | 0 | 0 |
| 1099. | Totals (Lines 1001 through 1003 plus 1098)(Line 10 above) | 0 | 0 | 0 |

Note 1 – Summary of Significant Accounting Policies

A. Accounting Practices

The financial statements of the Annuity Investors Life Insurance Company (the "Company") are presented on the basis of accounting practices prescribed or permitted by the Ohio Department of Insurance.

The Ohio Department of Insurance recognizes only statutory accounting practices prescribed or permitted by the State of Ohio for determining and reporting the financial condition and results of operations of an insurance company, for determining its solvency under the Ohio Insurance Law. The National Association of Insurance Commissioners' ("NAIC") Accounting Practices and Procedures Manual has been adopted as a component of prescribed or permitted practices by the State of Ohio.

In 2021 the Ohio Department of Insurance promulgated Ohio Administrative Code Section 3901-1-67, Alternative Derivative and Reserve Accounting Practices (OAC 3901-1-67), which constitutes a prescribed practice as contemplated by the NAIC SAP. The prescribed practice allows Ohio-domiciled insurance companies to utilize certain alternative derivative and reserve accounting practices for eligible derivative instruments and indexed products, respectively, in order to better align the measurement of indexed product reserves and the derivatives that hedge them. Effective January 1, 2022, the Company elected to apply OAC 3901-1-67 to its derivative instruments hedging equity indexed annuity products and equity indexed reserve liabilities.

A reconciliation of the Company's net income and capital and surplus between NAIC SAP and practices prescribed and permitted by the State of Ohio is shown below:

| Net Income | SSAP # | F/S Page | F/S Line # | (| 06/30/2022 | 12/31/2021 | |
|------------------------------------------------------------------|--------|----------|------------|----|-------------|------------|-------------|
| (1) State basis | XXX | XXX | XXX | \$ | 13,042,035 | \$ | 28,114,633 |
| (2) State prescribed practices that increase/(decrease) NAIC SAP | XXX | XXX | XXX | | | | |
| OAC 3901-1-67: | | | | | | | |
| Derivative instruments | 86 | 2, 4 | 7, 3 | | (5,332,855) | | - |
| Reserves for fixed indexed annuities | 51 | 3, 4 | 1, 19 | | (3,378,024) | | - |
| Tax impact | 101 | 2, 4 | 18.2, 32 | | (1,001,855) | | - |
| (3) State permitted practices that increase/(decrease) NAIC SAP | XXX | XXX | XXX | | - | | - |
| (4) NAIC SAP (1-2-3=4) | XXX | XXX | XXX | \$ | 22,754,769 | \$ | 28,114,633 |
| Surplus | | | | | | | |
| (5) Statutory surplus state basis | XXX | XXX | XXX | \$ | 375,440,964 | \$ | 370,501,960 |
| (6) State prescribed practices that increase/(decrease) NAIC SAP | | | | | | | |
| OAC 3901-1-67: | | | | | | | |
| Derivative instruments | 86 | 2, 4 | 7, 3 | | (2,963,301) | | - |
| Reserves for fixed indexed annuities | 51 | 3, 4 | 1, 19 | | 39,478 | | - |
| Tax impact | 101 | 2, 4 | 18.2, 32 | | 1,180,966 | | - |
| (7) State permitted practices that increase/(decrease) NAIC SAP | XXX | XXX | XXX | | - | | - |
| (8) NAIC SAP (5-6-7=8) | XXX | XXX | XXX | \$ | 377,183,821 | \$ | 370,501,960 |

B, C & D - No significant changes.

Note 2 – Accounting Changes and Corrections of Errors

There were no changes that were considered significant to the Company, except for the following.

Effective January 1, 2022, the Company elected to apply OAC 3901-1-67 to its derivative instruments hedging equity indexed annuity products and equity indexed annuity reserve liabilities. Under OAC 3901-1-67, derivative instruments will be carried on the statutory balance sheet at amortized cost with the initial hedge cost amortized over the term and asset payoffs realized at the end of the term being reported through net investment income rather than derivative instruments being carried at fair value with asset payoffs realized over the term through change in net unrealized capital gains and losses. Additionally, the cash surrender value reserves for equity indexed annuity products will only reflect index interest credits at the end of the crediting term as compared to partial index interest credits accumulating throughout the crediting term in increase in aggregate reserves for life and accident and health contracts. As a result of the Company's election to apply OAC 3901-1-67 as of January 1, 2022, total statutory admitted assets decreased \$8,929,241, total statutory liabilities decreased \$3,417,502 and total statutory capital and surplus decreased \$5,511,739. The following table summarizes the components of the total decrease in statutory surplus:

| Change in fixed indexed annuity reserves | \$ 3,417,502 |
|------------------------------------------|-------------------|
| Change in net deferred income tax | 2,182,821 |
| Derivatives instruments | (11,112,062) |
| Total decrease in statutory surplus | \$ (5,511,739) |

Note 3 – Business Combinations and Goodwill

Not applicable.

Note 4 – Discontinued Operations

Not applicable.

Note 5 – Investments

A, B & C – No significant changes.

- D. Loan-Backed Securities
 - (1) The Company uses dealer-modeled prepayment assumptions for mortgage-backed and asset-backed securities at the date of purchase to determine the effective yields; significant changes in estimated cash flows from the original purchase assumptions are accounted for on a prospective basis.
 - (2) The Company does not currently hold any aggregate loan-backed securities with a recognized other-thantemporary impairment ("OTTI") in which the Company has the intent to sell or the inability or lack of intent to retain the investment in the security for a period of time to recover the amortized cost basis.
 - (3) The following table shows each security with a credit-related OTTI charge recognized during the period:

| | | Present Value | OTTI Charge | | | |
|------------|----------------|---------------|------------------|----------------|---------------|-----------|
| | Amortized Cost | of Projected | Recognized in | Amortized Cost | Fair Value at | Date |
| CUSIP | Before OTT | Cash Flow s | Income Statement | After OTTI | Time of OTTI | Reported |
| 05949CHM1 | 380,676 | 347,943 | 32,733 | 347,943 | 357,865 | 3/31/2022 |
| 57643MLZ5 | 54,956 | 53,283 | 1,673 | 53,283 | 53,735 | 3/31/2022 |
| 02147WAT6 | 254,695 | 248,452 | 6,243 | 248,452 | 228,809 | 6/30/2022 |
| 07386XAH9 | 688,941 | 659,083 | 29,858 | 659,083 | 594,752 | 6/30/2022 |
| 12566UAE4 | 151,894 | 144,576 | 7,318 | 144,576 | 134,417 | 6/30/2022 |
| 12566UAN4 | 535,654 | 446,281 | 89,373 | 446,281 | 476,193 | 6/30/2022 |
| 12628LAD2 | 296,809 | 280,204 | 16,605 | 280,204 | 244,888 | 6/30/2022 |
| 12668APC3 | 287,384 | 273,870 | 13,514 | 273,870 | 279,043 | 6/30/2022 |
| 225470Q89 | 87,163 | 74,240 | 12,923 | 74,240 | 59,241 | 6/30/2022 |
| 59020UW43 | 242,243 | 211,176 | 31,067 | 211,176 | 219,259 | 6/30/2022 |
| 65535VSJ8 | 275,122 | 267,699 | 7,423 | 267,699 | 244,161 | 6/30/2022 |
| 74923HAQ4 | 118,389 | 115,335 | 3,054 | 115,335 | 105,518 | 6/30/2022 |
| 75116FBH1 | 976,473 | 959,539 | 16,933 | 959,540 | 888,643 | 6/30/2022 |
| 761118SC3 | 237,537 | 237,117 | 419 | 237,118 | 216,385 | 6/30/2022 |
| 87222EAB4 | 494,716 | 455,093 | 39,622 | 455,094 | 457,642 | 6/30/2022 |
| 87222EAC2 | 534,519 | 510,051 | 24,468 | 510,051 | 477,058 | 6/30/2022 |
| 93934NAC9 | 157,084 | 143,257 | 13,827 | 143,257 | 134,032 | 6/30/2022 |
| 058931AT3 | 206,470 | 204,615 | 1,855 | 204,615 | 199,081 | 6/30/2022 |
| 12544DAG4 | 60,992 | 57,279 | 3,712 | 57,280 | 54,200 | 6/30/2022 |
| 12545EAK2 | 85,111 | 80,321 | 4,790 | 80,321 | 72,961 | 6/30/2022 |
| 12638PA B5 | 250,818 | 247,830 | 2,988 | 247,830 | 202,353 | 6/30/2022 |
| 1266942H0 | 111,759 | 106,426 | 5,333 | 106,426 | 92,409 | 6/30/2022 |
| 126694HP6 | 63,728 | 48,533 | 15,195 | 48,533 | 48,242 | 6/30/2022 |
| 12669G3S8 | 195,282 | 189,407 | 5,874 | 189,408 | 174,815 | 6/30/2022 |
| 12669G4K4 | 209,404 | 205,823 | 3,581 | 205,823 | 192,812 | 6/30/2022 |
| 16165MAG3 | 284,734 | 280,914 | 3,820 | 280,914 | 251,810 | 6/30/2022 |
| 17025AAH5 | 78,077 | 72,569 | 5,508 | 72,569 | 69,311 | 6/30/2022 |
| 225458L55 | 104,378 | 103,743 | 636 | 103,742 | 93,384 | 6/30/2022 |
| 46631NAA7 | 163,838 | 161,160 | 2,678 | 161,160 | 146,767 | 6/30/2022 |
| 46631NDT3 | 463,024 | 387,655 | 75,369 | 387,655 | 429,615 | 6/30/2022 |
| 863579XC7 | 359,201 | 339,386 | 19,816 | 339,385 | 357,327 | 6/30/2022 |
| 86363GAF1 | 215,253 | 193,854 | 21,400 | 193,853 | 203,201 | 6/30/2022 |
| Total | | | \$ 519,608 | | | |

(4) The following table shows all loan-backed securities with an unrealized loss:

| a. The aggregate amount of unrealized losses: | |
|-----------------------------------------------|--------------|
| 1. Less than 12 months | \$29,361,912 |
| 2. 12 months or longer | 1,015,751 |

b. The aggregate related fair value of securities with unrealized losses:

1. Less than 12 months \$512,769,176

- 2. 12 months or longer 6,826,677
- (5) Based on cash flow projections received from independent sources (which reflect loan to collateral values, subordination, vintage and geographic concentration), implied cash flows inherent in security ratings and analysis of historical payment data, management believes that the Company will recover its cost basis in all securities with unrealized losses at June 30, 2022. The Company has the intent to hold securities in an unrealized loss position until they recover in value or mature.
- E. Dollar Repurchase Agreements and/or Securities Lending Transactions Not applicable.
- F. Repurchase Agreements Transactions Accounted for as Secured Borrowing Not applicable.
- G. Reverse Repurchase Agreements Transactions Accounted for as Secured Borrowing Not applicable.
- H. Repurchase Agreements Transactions Accounted for as a Sale Not applicable.
- I. Reverse Repurchase Agreements Transactions Accounted for as a Sale Not applicable.
- J. Real Estate Not applicable.
- K. Low Income Housing Tax Credits Not applicable.
- L. Restricted Assets No significant change.
- M. Working Capital Finance Investments Not applicable.
- N. Offsetting and Netting of Assets and Liabilities Not applicable.
- O. 5GI Securities Not applicable.

- P. Short Sales Not applicable.
- Q. Prepayment Penalty and Acceleration Fees

| | Genei | al Account | Separ | ate Account |
|-------------------------------------------|-------|------------|-------|-------------|
| (1) Number of CUSIPS | | 1 | | 0 |
| (2) Aggregate amount of investment income | \$ | 63,750 | \$ | - |

R. Share of Cash Pool by Asset Type – Not applicable.

Note 6 – Joint Ventures, Partnerships and Limited Liability Companies

Not applicable.

Note 7 – Investment Income

No significant change.

Note 8 – Derivative Instruments

No significant change.

Note 9 - Income Taxes

No significant change.

Note 10 - Information Concerning Parent, Subsidiaries, Affiliates and Other Related Parties

A.,B. & C.

The Company is an indirect subsidiary of Glidepath Holdings, Inc., which is a subsidiary of Massachusetts Mutual Life Insurance Company ("MMLIC"); 100% of the Company's outstanding common stock is directly owned by Great American Life Insurance Company ("GALIC"). See Schedule Y, Part 1, Organizational Chart.

During the period, the Company paid federal income tax payments in cash to GALIC:

4/11/2022 \$ 4,228,230

The Company did not receive capital contributions from GALIC.

- D. The Company reported \$2,242 due from and \$554,000 due to the parent and affiliated companies. The terms of the agreement require that these amounts are settled within 90 days.
- E. Management or service contracts and all cost sharing arrangements including the Company:
 - (1) The Company has an agreement with Barings (an affiliate) which provides investment advisory services to the Company.
 - (2) The Company has an agreement with Great American Advisors, Inc. ("GAA"), a wholly owned subsidiary of GALIC, whereby GAA is the principal underwriter and distributor of the Company's variable contracts. The Company pays GAA for acting as underwriter under a distribution agreement.
 - (3) Certain administrative, management, accounting, data processing, collection, and investment services are provided under agreements between the Company and affiliates at charges not unfavorable to the Company or the affiliate.
- F. The Company has no material guarantees or undertakings for the benefit of an affiliate.
- G. The Company's outstanding shares are 100% owned by GALIC.
- H. The Company does not own shares of any upstream intermediate entity or its ultimate parent.
- I. The Company has no investment in a subsidiary.
- J. The Company did not recognize any impairment or write down for its investments in subsidiary, controlled or affiliated companies during the statement period.
- K. The Company has no investment in a foreign insurance subsidiary.
- L. The Company does not hold an investment in a downstream non-insurance holding company.
- M. Valuation of Subsidiary, Controlled and Affiliated Entities (excluding U.S. Insurance Entities) Not applicable.
- N. The Company has no investments in insurance subsidiary, controlled, or affiliated entities.
- O. Subsidiary, Controlled, and Affiliated Entities Loss Tracking Not applicable.

Note 11 - Debt

Not applicable.

<u>Note 12 - Retirement Plans, Deferred Compensation, Postemployment Benefits and Compensated Absences and Other</u> <u>Postretirement Benefit Plans</u>

A, B, C & D

The Company did not participate in a defined benefit plan.

E. Defined Contribution Plan

The Company participates in the retirement plans of GALIC. GALIC sponsors funded (qualified 401(k) thrift savings) and unfunded (nonqualified deferred compensation thrift savings) defined contribution plans for its employees and retirees. The qualified 401(k) thrift savings plan's net assets available for benefits were \$32,265,454 as of June 30, 2022 and \$34,792,881 as of December 31, 2021. The Company matches a percentage of employee contributions to the qualified 401(k) thrift savings plan. The Company's total matching thrift savings contributions included in general insurance expenses were \$182,923 for the six months ended June 30, 2022 and \$287,382 for the year ended December 31, 2021.

- F. The Company did not participate in multiemployer plans.
- G. The Company did not participate in consolidated or holding company plans.
- H. The Company does not accrue for postemployment benefits and compensated absences.
- I. The Company does not apply for a subsidy under the Medicare Part D under the Medicare Modernization Act.

Note 13 - Capital and Surplus, Shareholders' Dividend Restrictions and Quasi-Reorganizations

No significant change.

Note 14 - Contingencies

No significant change.

Note 15 – Leases

Not applicable.

<u>Note 16 – Information About Financial Instruments With Off-Balance Sheet Risk and Financial Instruments With</u> <u>Concentrations of Credit Risk</u>

No significant change.

Note 17 - Sale, Transfer and Servicing of Financial Assets and Extinguishments of Liabilities

The Company has no reportable transactions.

Note 18 - Gain or Loss to the Reporting Entity from Uninsured Plans and the Uninsured Portion of Partially Insured Plans

Not applicable.

Note 19 – Direct Premium Written/Produced by Managing General Agents/Third Party Administrators

Not applicable.

Note 20 – Fair Value Measurements

Α.

(1) Fair Value Measurements at Reporting Date

The Company has categorized its assets and liabilities measured at fair value or net asset value ("NAV") into the three-level fair value hierarchy as reflected in the following table. See item (4) below for a discussion of each of these three levels.

Net Asset

| | Level 1 | | Level 2 | | Level 3 | | Va l ue (NAV) | | Total | |
|--------------------------------------------------|---------|---|---------|-----------|---------|---|-------------------------|---|-------|-----------|
| Assets at fair value | | | | | - | | | | | |
| Bonds: | | | | | | | | | | |
| Industrial and miscellaneous | \$ | - | \$ | 156,045 | \$ | - | \$ | - | \$ | 156,045 |
| Total bonds | | - | | 156,045 | | - | | - | | 156,045 |
| Non-affiliated common stock | | - | | - | | - | | - | | - |
| Variable annuity assets (separate accounts) | | - | 51 | 5,379,650 | | - | | - | 51 | 5,379,650 |
| Total assets accounted for at fair value/NAV | \$ | - | \$ 51 | 5,535,695 | \$ | - | \$ | - | \$ 51 | 5,535,695 |
| Liabilities at fair value | | | | | | | | | | |
| Variable annuity liabilities (separate accounts) | \$ | - | \$ 51 | 5,379,650 | \$ | - | \$ | - | \$ 51 | 5,379,650 |
| Total liabilities at fair value | \$ | - | \$ 51 | 5,379,650 | \$ | - | \$ | - | \$ 51 | 5,379,650 |

(2) The Company does not have any Level 3 securities carried at fair value.

(3) Fair Value Recognition of Transfers Between Levels

The Company recognizes and records the transfer of securities into and out of Level 3 due to changes in availability of market observable inputs. There were no level 3 transfers during the reporting period.

(4) Inputs and Techniques Used in Estimating Fair Value

Level 1 - Quoted prices for identical assets or liabilities in active markets (markets in which transactions occur with sufficient frequency and volume to provide pricing information on an ongoing basis). The Company's Level 1 financial instruments consist primarily of publicly traded equity securities for which quoted market prices in active markets are available.

Level 2 - Quoted prices for similar instruments in active markets; quoted prices for identical or similar assets or liabilities in inactive markets (markets in which there are few transactions, the prices are not current, price quotations vary substantially over time or among market makers, or in which little information is released publicly); and valuations based on other significant inputs that are observable in active markets. Level 2 inputs include benchmark yields, reported trades, corroborated broker/dealer quotes, issuer spreads and benchmark securities. When non-binding broker quotes can be corroborated by comparison to similar securities priced using observable inputs, they are classified as Level 2.

Level 3 - Valuations derived from market valuation techniques generally consistent with those used to estimate the fair value of Level 2 financial instruments in which one or more significant inputs are unobservable or when the market for a security exhibits significantly less liquidity relative to markets supporting Level 2 fair value measurements. The unobservable inputs may include management's own assumptions about the assumptions market participants would use based on the best information available in the circumstances. The Company does not have any Level 3 assets or liabilities carried at fair value at June 30, 2022.

The Company's investment manager, Barings LLC ("Barings") is responsible for the valuation process and uses data from outside sources (including nationally recognized pricing services and broker/dealers) in establishing fair value. Valuation techniques utilized by pricing services and prices obtained from external sources are reviewed by Barings internal investment professionals who are familiar with the securities being priced and the markets in which they trade to ensure the fair value determination is representative of an exit price. To validate the appropriateness of the prices obtained, the investment manager considers widely published indices (as benchmarks), recent trades, changes in interest rates, general economic conditions and the credit quality of the specific issuers. In addition, Barings communicates directly with the pricing service regarding the methods and assumptions used in pricing, including verifying, on a test basis, the inputs used by the service to value specific securities.

- (5) Derivative Assets and Liabilities The Company's derivative assets are report at amortized cost.
- B. The Company has no additional fair value disclosures.
- C. The Company has categorized all the financial assets in the financial statements into the three-level fair value hierarchy as reflected in the following table. See item (4) above for a discussion of each of these three levels.

| | Aggregate | Admitted | | | | Net Asset | Not Practicable |
|-----------------------------------|------------------|------------------|----------------|------------------|---------------|-------------|------------------|
| Type of Financial Instrument | Fair Value | Assets | Level 1 | Level 2 | Level 3 | Value (NAV) | (Carrying Value) |
| Financial Assets: | | | | | | | |
| Bonds: | | | | | | | |
| U.S. Government and | | | | | | | |
| agencies | \$ 410,845 | \$ 418,716 | \$ - | \$ 410,845 | \$ - | \$ - | \$ - |
| All other governments | 1,005,947 | 998,985 | - | 1,005,947 | - | - | - |
| States, territories and | | | | | | | |
| possessions | 40,698,586 | 41,050,196 | - | 40,698,586 | - | - | - |
| Political subdivisions of | | | | | | | |
| states, territories | 27,874,895 | 27,859,928 | - | 27,874,895 | - | - | - |
| Special revenue | 192,471,933 | 200,843,446 | - | 192,471,933 | - | - | - |
| Industrial and miscellaneous | 1,914,477,382 | 2,011,408,526 | - | 1,904,062,726 | 10,414,656 | - | - |
| Hybrid Securities | 7,344,203 | 9,450,791 | - | 7,317,403 | 26,800 | - | - |
| Total bonds | \$ 2,184,283,791 | \$ 2,292,030,588 | \$ | \$ 2,173,842,335 | \$ 10,441,456 | \$ | \$ - |
| Non-affiliated common stock | _ | - | - | - | - | _ | - |
| Equity index call options | 2,252,558 | 5,006,122 | _ | 2,252,558 | | _ | _ |
| Variable annuity assets (separate | 2,202,000 | 0,000,122 | | 2,202,000 | | | |
| accounts) | 515,379,650 | 515,379,650 | - | 515,379,650 | _ | - | - |
| Cash, cash equivalents and | 0.000.0000 | , , | | , , | | | |
| short-term investments | 120,102,073 | 120,102,073 | 120,102,073 | - | - | - | - |
| Policy loans | 46,187,148 | 46,187,148 | - | - | 46,187,148 | - | - |
| Total financial assets/NAV | \$ 2,868,205,220 | \$ 2,978,705,581 | \$ 120,102,073 | \$ 2,691,474,543 | \$ 56,628,604 | \$ - | \$ - |

D. Not Practicable to Estimate Fair Value – The Company has no financial instruments that fall under this classification.

E. NAV Practical Expedient Investments – The Company has no financial instruments that fall under this classification.

Note 21 - Other Items

No significant change.

Note 22 – Events Subsequent/Other Items of Note

No significant change.

Note 23 – Reinsurance

Not applicable.

Note 24 – Retrospectively Rated Contracts & Contracts Subject to Redetermination

Not applicable.

Note 25 – Change in Incurred Losses and Loss Adjustment Expenses

Not applicable.

Note 26 – Intercompany Pooling Arrangements

Not applicable.

Note 27 – Structured Settlements

Not applicable.

Note 28 – Health Care Receivables

Not applicable.

Note 29 – Participating Policies

Not applicable.

Note 30 – Premium Deficiency Reserves

Not applicable.

Note 31 – Reserves for Life Contracts and Annuity Contracts

No significant change.

Note 32 – Analysis of Annuity Actuarial Reserves and Deposit Type Liabilities by Withdrawal Characteristics

No significant change.

Note 33 – Analysis of Life Actuarial Reserves by Withdrawal Characteristics

Not applicable.

Note 34 – Premiums and Annuity Considerations Deferred and Uncollected

No significant change.

Note 35 – Separate Accounts

No significant change.

Note 36 – Loss/Claim Adjustment Expenses

Not applicable.

GENERAL INTERROGATORIES

PART 1 - COMMON INTERROGATORIES

GENERAL

| 1.1 | Did the reporting entity experience any material transactions requiring the filing of Disclosure of Material Transactions with the State of Domicile, as required by the Model Act? | Yes [] No [X] |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 1.2 | If yes, has the report been filed with the domiciliary state? | Yes [] No [] |
| 2.1 | Has any change been made during the year of this statement in the charter, by-laws, articles of incorporation, or deed of settlement of the reporting entity? | Yes [] No [X] |
| 2.2 | If yes, date of change: | |
| 3.1 | Is the reporting entity a member of an Insurance Holding Company System consisting of two or more affiliated persons, one or more of which is an insurer? If yes, complete Schedule Y, Parts 1 and 1A. | Yes [X] No [] |
| 3.2 | Have there been any substantial changes in the organizational chart since the prior quarter end? | Yes [] No [X] |
| 3.3 | If the response to 3.2 is yes, provide a brief description of those changes. | |
| 3.4 | Is the reporting entity publicly traded or a member of a publicly traded group? | Yes [] No [X] |
| 3.5 | If the response to 3.4 is yes, provide the CIK (Central Index Key) code issued by the SEC for the entity/group. | |
| 4.1 | Has the reporting entity been a party to a merger or consolidation during the period covered by this statement? | Yes [] No [X] |
| 4.2 | If yes, provide the name of the entity, NAIC Company Code, and state of domicile (use two letter state abbreviation) for any entity that has ceased to exist as a result of the merger or consolidation. | |
| | 1 2 3 Name of Entity NAIC Company Code State of Domicile | |
| | | |
| 5. | If the reporting entity is subject to a management agreement, including third-party administrator(s), managing general agent(s), attorney- in-fact, or similar agreement, have there been any significant changes regarding the terms of the agreement or principals involved? |] No [X] N/A [] |
| 6.1 | State as of what date the latest financial examination of the reporting entity was made or is being made. | 12/31/2016 |
| 6.2 | State the as of date that the latest financial examination report became available from either the state of domicile or the reporting entity. This date should be the date of the examined balance sheet and not the date the report was completed or released. | 12/31/2016 |
| 6.3 | State as of what date the latest financial examination report became available to other states or the public from either the state of domicile or the reporting entity. This is the release date or completion date of the examination report and not the date of the examination (balance sheet date). | 01/11/2018 |
| 6.4 | By what department or departments? | |
| 6.5 | State of Ohio Department of Insurance Have all financial statement adjustments within the latest financial examination report been accounted for in a subsequent financial statement filed with Departments?Yes [|] No [] N/A [X] |
| 6.6 | Have all of the recommendations within the latest financial examination report been complied with? |] No [] N/A [X] |
| 7.1 | Has this reporting entity had any Certificates of Authority, licenses or registrations (including corporate registration, if applicable) suspended or revoked by any governmental entity during the reporting period? | Yes [] No [X] |
| 7.2 | If yes, give full information: | |
| 8.1 | Is the company a subsidiary of a bank holding company regulated by the Federal Reserve Board? | Yes [] No [X] |
| 8.2 | If response to 8.1 is yes, please identify the name of the bank holding company. | |
| 8.3 | Is the company affiliated with one or more banks, thrifts or securities firms? | Yes [X] No [] |
| 8.4 | If response to 8.3 is yes, please provide below the names and location (city and state of the main office) of any affiliates regulated by a federal | |

If response to 8.3 is yes, please provide below the names and location (city and state of the main office) of any affiliates regulated by a federal regulatory services agency [i.e. the Federal Reserve Board (FRB), the Office of the Comptroller of the Currency (OCC), the Federal Deposit Insurance Corporation (FDIC) and the Securities Exchange Commission (SEC)] and identify the affiliate's primary federal regulator.

| 1 | 2 | 3 | 4 | 5 | 6 |
|-------------------------|------------------------|-----|-----|------|-----|
| Affiliate Name | Location (City, State) | FRB | 000 | FDIC | SEC |
| Barings LLC | Charlotte, NC | NO | NO | NO | YES |
| Great American Advisors | Cincinnati, OH | NO | NO | NO | YES |
| | | | | | 1 |

GENERAL INTERROGATORIES

| | GENERAL INTERROGATORIES | | |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|
| 9.1 9.11 | Are the senior officers (principal executive officer, principal financial officer, principal accounting officer or controller, or similar functions) of the reporting entity subject to a code of ethics, which includes the following standards? | nal and professional | Yes [X] No [] |
| 9.2 9.21 | Has the code of ethics for senior managers been amended? If the response to 9.2 is Yes, provide information related to amendment(s). | | Yes [] No [X] |
| 9.3 9.31 | Have any provisions of the code of ethics been waived for any of the specified officers? If the response to 9.3 is Yes, provide the nature of any waiver(s). | | Yes [] No [X] |
| | FINANCIAL | | |
| 10.1 10.2 | Does the reporting entity report any amounts due from parent, subsidiaries or affiliates on Page 2 of this statement? If yes, indicate any amounts receivable from parent included in the Page 2 amount: | | |
| 11.1 | use by another person? (Exclude securities under securities lending agreements.) | | Yes [] No [X] |
| 11.2 | If yes, give full and complete information relating thereto: | | |
| 12. | ····· | | |
| 13. | Amount of real estate and mortgages held in short-term investments: | | |
| 14.1 14.2 | Does the reporting entity have any investments in parent, subsidiaries and affiliates? If yes, please complete the following: | | Yes [] No [X] |
| | | 1 Prior Year-End Book/Adjusted Carrying Value | 2 Current Quarter Book/Adjusted Carrying Value |
| | Bonds | | \$0 |
| | Preferred Stock | | \$0 |
| | Common Stock | | \$0 |
| | Short-Term Investments | | \$0 ¢ |
| | Mortgage Loans on Real Estate | | \$0 \$ |
| | Total Investment in Parent, Subsidiaries and Affiliates (Subtotal Lines 14.21 to 14.26) | | \$0 \$0 |
| 14.28 | Total Investment in Parent included in Lines 14.21 to 14.26 above | | \$U \$ |
| 15.1 15.2 | Has the reporting entity entered into any hedging transactions reported on Schedule DB? If yes, has a comprehensive description of the hedging program been made available to the domiciliary state? If no, attach a description with this statement. | Yes [| Yes[X] No[] X] No[] N/A[] |
| in | FOL THE LEDOWING EDWIN'S SECURITY LENGING DROGRAM. STATE THE AMOUNT OF THE TOWOWING AS OF THE CURRENT STATEMENT MATE. | | |

16. For the reporting entity's security lending program, state the amount of the following as of the current statement date:

- 16.1 Total fair value of reinvested collateral assets reported on Schedule DL, Parts 1 and 2.\$0 16.2 Total book adjusted/carrying value of reinvested collateral assets reported on Schedule DL, Parts 1 and 2\$0 ..\$. 0
 - 16.3 Total payable for securities lending reported on the liability page.

GENERAL INTERROGATORIES

| 17. 17.1 | offices, vaults or safet custodial agreement w Outsourcing of Critical | y deposit boxes, v vith a qualified bar I Functions, Custo | - Special Deposits, real estate, mo vere all stocks, bonds and other se nk or trust company in accordance idial or Safekeeping Agreements of requirements of the NAIC Financi | ecurities, owne e with Section of the NAIC Fil | ed throughout t 1, III - General nancial Conditi | he current year Examination C on Examiners F | held pursuant to a onsiderations, F. landbook? | Yes | [X] | No [|] |
|--------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------|-----|-------|-----------------|---|
| | | 1 | | | | 2 | | | | | |
| | Bank of New York Mol | Name of Cust | todian(s) | 1 Wall Strop | t Now Vork 1 | Custodian Addr | ess | | | | |
| | Datik of New Tork Wer | 1011 | | I Wall Stree | I, NEW TOIK, I | 10200 | | | | | |
| 17.2 | For all agreements that location and a comple | | vith the requirements of the NAIC I | Financial Con | dition Examine | rs Handbook, p | rovide the name, | | | | |
| | 1 Name(| (s) | 2 Location(s) | | (| 3 Complete Expla | nation(s) | | | | |
| 17.3 17.4 | Have there been any o If yes, give full informa | | g name changes, in the custodian(to: | s) identified in | 17.1 during th | e current quarte | er? | Yes | [] | No [X] | I |
| | 1 Old Custo | odian | 2 New Custodian | Date | 3 of Change | | 4 Reason | | | | |
| 17.5 | make investment deci | sions on behalf of | ivestment advisors, investment ma the reporting entity. For assets the tment accounts"; "handle securi | at are manage ities"] | ed internally by | | | | | | |
| | Barings IIC | | ı n or Individual | 2 Affilia A | ation | | | | | | |
| | • | | | | | | | | | | |
| | 17.5097 For those firm designated w | ns/individuals liste ith a "U") manage | ed in the table for Question 17.5, do more than 10% of the reporting e | o any firms/inc ntity's investe | dividuals unaffi d assets? | liated with the re | eporting entity (i.e. | Yes | [] | No [X |] |
| | 17.5098 For firms/indi total assets u | viduals unaffiliate Inder managemer | d with the reporting entity (i.e. desi aggregate to more than 50% of t | ignated with a the reporting e | "U") listed in the notice of the second se | ne table for Que d assets? | estion 17.5, does the | Yes | [] | No [X |] |
| 17.6 | For those firms or indi table below. | viduals listed in th | e table for 17.5 with an affiliation o | code of "A" (af | filiated) or "U" | (unaffiliated), pr | rovide the information for th | e | | | |
| | 1 | | 2 | | | 3 | 4 | | Inves | 5 stment | |
| | Central Registration | | | | | | | | | gement ement | |
| | Depository Number 106006 | Barings LLC | Name of Firm or Individual | | | Identifier (LEI) | Registered With | | |) Filed | |
| | | | | | | | SEC | | | | |
| 18.1 18.2 | | irements of the P | urposes and Procedures Manual c | of the NAIC Inv | vestment Analy | vsis Office been | followed? | Yes | [X] | No [|] |
| 19. | a. Documentation security is not a b. Issuer or obligo c. The insurer has | necessary to per available. or is current on all s an actual expect | eporting entity is certifying the follo mit a full credit analysis of the sec contracted interest and principal p ation of ultimate payment of all co 5GI securities? | urity does not ayments. ntracted intere | exist or an NA est and principa | IC CRP credit ra | ating for an FE or PL | Yes | [] | No [X |] |
| 20. | a. The security was b. The reporting er c. The NAIC Desig on a current priv d. The reporting er | s purchased prior ntity is holding cap gnation was derive vate letter rating huntity is not permitte | reporting entity is certifying the fol to January 1, 2018. ital commensurate with the NAIC d from the credit rating assigned b eld by the insurer and available for ed to share this credit rating of the PLGI securities? | Designation ro by an NAIC CF r examination PL security w | eported for the RP in its legal of by state insura ith the SVO. | security. capacity as a NF nce regulators. | RSRO which is shown | Yes | [] | No [X |] |
| 21. | By assigning FE to a S FE fund: | Schedule BA non- | registered private fund, the reporti | ing entity is ce | rtifying the follo | owing elements | of each self-designated | | | | |
| | a. The shares were b. The reporting er c. The security had January 1, 2019 | ntity is holding cap d a public credit ra | to January 1, 2019. bital commensurate with the NAIC | • | • | | as an NRSRO prior to | | | | |
| | e. The current repo | r predominantly ho orted NAIC Design | olds bonds in its portfolio. nation was derived from the public | | | | · | | | | |
| | e. The current repo in its legal capa | r predominantly ho orted NAIC Design city as an NRSRC | olds bonds in its portfolio. nation was derived from the public | credit rating(s | s) with annual s | | · | | | | |

GENERAL INTERROGATORIES

PART 2 - LIFE AND ACCIDENT AND HEALTH COMPANIES/FRATERNAL BENEFIT SOCIETIES

| Life and 1. | d Accident Health Companies/Fraternal Benefit Societies: Report the statement value of mortgage loans at the end of this reporting period for the following categories: | 1 | |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---|
| | 1.1 Long-Term Mortgages In Good Standing | Amount | |
| | 1.11 Farm Mortgages | \$ | |
| | 1.12 Residential Mortgages | \$ | |
| | 1.13 Commercial Mortgages | \$ | |
| | 1.14 Total Mortgages in Good Standing | \$ | 0 |
| | 1.2 Long-Term Mortgages In Good Standing with Restructured Terms | | |
| | 1.21 Total Mortgages in Good Standing with Restructured Terms. | \$ | |
| | 1.3 Long-Term Mortgage Loans Upon which Interest is Overdue more than Three Months | | |
| | 1.31 Farm Mortgages | \$ | |
| | 1.32 Residential Mortgages | \$ | |
| | 1.33 Commercial Mortgages | \$ | |
| | 1.34 Total Mortgages with Interest Overdue more than Three Months | \$ | 0 |
| | 1.4 Long-Term Mortgage Loans in Process of Foreclosure | | |
| | 1.41 Farm Mortgages | \$ | |
| | 1.42 Residential Mortgages | \$ | |
| | 1.43 Commercial Mortgages | \$ | |
| | 1.44 Total Mortgages in Process of Foreclosure | | |
| 1.5 | Total Mortgage Loans (Lines 1.14 + 1.21 + 1.34 + 1.44) (Page 2, Column 3, Lines 3.1 + 3.2) | | 0 |
| 1.6 | Long-Term Mortgages Foreclosed, Properties Transferred to Real Estate in Current Quarter | | |
| | 1.61 Farm Mortgages | \$ | |
| | 1.62 Residential Mortgages | | |
| | 1.63 Commercial Mortgages | | |
| | 1.64 Total Mortgages Foreclosed and Transferred to Real Estate | | 0 |
| 2. | Operating Percentages: | | |
| _ . | 2.1 A&H loss percent | | % |
| | 2.2 A&H cost containment percent | | |
| | 2.3 A&H expense percent excluding cost containment expenses | | |
| 3.1 | Do you act as a custodian for health savings accounts? | | |
| 3.2 | If yes, please provide the amount of custodial funds held as of the reporting date | | |
| 3.3 | Do you act as an administrator for health savings accounts? | | |
| 3.4 | If yes, please provide the balance of the funds administered as of the reporting date | | |
| 4. | Is the reporting entity licensed or chartered, registered, gualified, eligible or writing business in at least two states? | | |
| 4.1 | If no, does the reporting entity assume reinsurance business that covers risks residing in at least one state other than the state of | | |
| 4.1 | domicile of the reporting entity? | Yes [] No [] | |
| Fratern 5.1 | al Benefit Societies Only: In all cases where the reporting entity has assumed accident and health risks from another company, provisions should be made in this statement on account of such reinsurances for reserve equal to that which the original company would have been required to establish had it retained the risks. Has this been done? | Yes [] No [] N/A [|] |
| 5.2 | If no, explain: | - | , |
| | | | |
| 6.1 | Does the reporting entity have outstanding assessments in the form of liens against policy benefits that have increased surplus? | Yes [] No [] | |
| 6.2 | If yes, what is the date(s) of the original lien and the total outstanding balance of liens that remain in surplus? | | |

| Date | Outstanding Lien Amount |
|------|-------------------------|
| | |

SCHEDULE S - CEDED REINSURANCE

Showing All New Reinsurance Treaties - Current Year to Date

| | | r | Showing All New Reinsural | ice mealles | - Current rea | | | | |
|-------------------------|--------------|-------------------|---------------------------------------|-----------------------------|---------------------------------|------------------------------|-------------------|---------------------------------------------------|----------------------------------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| NAIC Company Code | ID Number | Effective Date | Name of Reinsurer | Domiciliary Jurisdiction | Type of Reinsurance Ceded | Type of Business Ceded | Type of Reinsurer | Certified Reinsurer Rating (1 through 6) | Effective Date of Certified Reinsurer Rating |
| | ••••• | | | | | | | | |
| | ••••• | | | | | | | | |
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STATEMENT AS OF JUNE 30, 2022 OF THE ANNUITY INVESTORS LIFE INSURANCE COMPANY **SCHEDULE T - PREMIUMS AND ANNUITY CONSIDERATIONS**

| | | | 1 | 1.15- 0 | ntraata | Direct Bus | iness Only 5 | e | 7 |
|-----|-------------------------------------------------------------------------------------------|------------|---------------|----------------|---------------------------|---------------------------------|-------------------------|----------------------|-----------|
| | | | 1 | 2 | ontracts 3 | 4 Accident and | 5 | 6 | / |
| | | | | _ | - | Health Insurance | | | |
| | | | Active | | | Premiums, Including Policy. | | Total | |
| | | | Status | Life Insurance | Annuity Considerations | Including Policy, Membership | Other Considerations | Columns | Deposit-T |
| 1. | States, Etc. | AL | (a) L | Premiums | | and Other Fees | Considerations | 2 Through 5 | Contrac |
| | Alaska | | L | | | | | | |
| 3. | Arizona A | ۸Z | L | | | | | | |
| | Arkansas A | AR | L | | | | | | |
| | - | CA | L | | 6,356,431 | | | 6,356,431 | |
| | - | 00 | L | | | | | | |
| | - | ст | Ļ | | | | | | |
| | | DE | Ļ | | | | | | |
| | District of Columbia | DC | L | | | | | | |
| | Georgia | -L | k | | | | | 4,079,297 191,111 | |
| | Hawaii | эА | | | | | | | |
| | Idaho II | 11 D | Þ | | 133.687 | | | 133.687 | |
| | Illinois | | ⊢ I | | 1, 183, 296 | | | 1, 183, 296 | |
| | Indiana | | | | | | | | |
| | lowa | | L | | | | | | |
| | | s | Ĺ | | | | | | |
| 8. | Kentucky | Y | L | | 422,504 | | | 422,504 | |
| | Louisiana | .A | L | ļ | | | | | |
| | Maine | ИЕ | L | ļ | 415,723 | ļ | | | |
| | | /D | L | | | | | 111,423 | |
| | | /A | L | | 1,364,228 | | | 1,364,228 | |
| | | ЛІ | L | | 1,398,595 | | | 1,398,595 | |
| | | /N | <u>L</u> | | | | | | |
| | Mississippi | | <u>L</u> | | | | | | |
| | | ۸O | L | + | | | | | |
| | Montana | ИТ | L | | | | | | |
| | Nebraska Nevada | NE | L | | | | | | |
| | | ۹V ۱H | L | | | | | | |
| | New Jersey | | ⊢ | 1 | | | | | |
| | New Mexico | | ⊢ I | 1 | 119.858 | | | 1,392,728 | |
| | | NIVI NY | ட N | | | | | | |
| | North Carolina | | | | | | | 11,668,982 | |
| | | ND | L | | | | | | |
| | Ohio | он | L | | | | | | |
| | Oklahoma | ОК | L | | | | | | |
| 8. | - | DR | L | | | | | | |
| | | Α | L | | | | | | |
| | | או | L | | | | | | |
| | | SC | Ļ | | | | | | |
| | South Dakota | SD | | | | | | | |
| | Tennessee | | <u>F</u> | + | 1,287,699 | | | 1,287,699 | |
| | • | X | Ļ | + | 4,630,410 | | | 4,630,410 | |
| | Utah | | L | + | | | | | |
| | Vermont | | N | | | | | | |
| | Washington | | ⊾ I | 1 | | | | | |
| | West Virginia | | ⊾ I | 1 | | | | | |
| | Wisconsin | | E | | | | | | |
| | Wyoming | | E | 1 | | | | | |
| | American Samoa | | | L | | | | | |
| | - | GU | | | 0 | | | 0 | |
| 4. | Puerto Rico | PR | N | | 0 | | | 0 | |
| 5. | U.S. Virgin Islands | /1 | N | | | | | | |
| 6. | Northern Mariana Islands | ИР | N | | 0 | | | 0 | |
| | Canada C | | N | | 0 | | | 0 | |
| | Aggregate Other Aliens | от | XXX | 0 | 1,200 | | 0 | 1,200 | |
| | Subtotal | | XXX | 0 | | 0 | 0 | | |
| 0. | Reporting entity contributions for employee ben | | ~~~ | | | | | 0 | |
| 1. | plans Dividends or refunds applied to purchase paid-i | | XXX | - | | | | | |
| •• | additions and annuities | | XXX | | | | | 0 | |
| 2. | Dividends or refunds applied to shorten endowr | ment | | 1 | | | | | |
| 2 | or premium paying period. | | XXX | | | | | 0 | |
| 3. | Premium or annuity considerations waived under disability or other contract provisions | er | | 1 | | | | ٥ | |
| 4. | Aggregate or other amounts not allocable by St | tate. | XXX | 0 | 0 | 0 | 0 | | |
| | Totals (Direct Business) | | | 0 | | | 0 | 45,928,902 | |
| | Plus Reinsurance Assumed | | XXX | | | | | | |
| | Totals (All Business) | | XXX | 0 | | 0 | 0 | 45,928,902 | |
| 8. | Less Reinsurance Ceded | | XXX | | | | | 0 | |
| | Totals (All Business) less Reinsurance Ceded | | XXX | 0 | 45,928,902 | 0 | 0 | 45,928,902 | |
| | DETAILS OF WRITE-INS | | | | | | | | |
| | Other Alien | | XXX | | 1,200 | | | 1,200 | |
| 02. | | | XXX | | | | | | |
| 03. | | | XXX | | | | | | |
| 98. | Summary of remaining write-ins for Line 58 from | n | ~~~ | 0 | 0 | 0 | ^ | ^ | |
| 99. | overflow page Totals (Lines 58001 through 58003 plus | | XXX | · [·····0 | 0 | 0 | 0 | 0 | |
| JJ. | 58998)(Line 58 above) | | XXX | 0 | 1,200 | 0 | 0 | 1,200 | |
|)1. | | | XXX | | .,_50 | | <u> </u> | .,_50 | |
|)2. | | | XXX | | | | | | |
|)3. | | | XXX | | | | | | |
| 98. | Summary of remaining write-ins for Line 94 from | | | 1 | | | | | |
| | overflow page | | XXX | 0 | 0 | 0 | 0 | 0 | |
| | Totals (Lines 9401 through 9403 plus 9498)(Lin | ie | XXX | 0 | 0 | 0 | 0 | 0 | |
| 9. | 94 above) | | | | | . 0 | | | |

The following entities are general partner level or above of Massachusetts Mutual Life Insurance Company (Parent)

| | <u>Federal Tax ID</u> | NAIC Co Code | State of Domicile |
|----------------------------------------------------|-----------------------|--------------|-------------------|
| MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY | 04-1590850 | 65935 | Massachusetts |
| Direct & Indirect Owned Subsidiaries: | 01 109 000 0 | 00000 | mussuemuserts |
| C.M. Life Insurance Company | 06-1041383 | 93432 | Connecticut |
| MML Bay State Life Insurance Company | 43-0581430 | 70416 | Connecticut |
| CML Mezzanine Investor III, LLC | 06-1041383 | | Delaware |
| CML Special Situations Investor LLC | None | | Delaware |
| CML Global Capabilities LLC | None | | Delaware |
| MM Global Capabilities I LLC | None | | Delaware |
| MassMutual Global Business Services India LLP | None | | India |
| MM Global Capabilities (Netherlands) B.V. | None | | Netherlands |
| MassMutual Global Business Services Romania S.R.L. | None | | Romania |
| MM Global Capabilities I I LLC | None | | Delaware |
| MM Global Capabilities I II LLC | None | | Delaware |
| MM/Barings Multifamily TEBS 2020 LLC | None | | Delaware |
| Berkshire Way LLC | 04-1590850 | | Delaware |
| MML Special Situations Investor LLC | None | | Delaware |
| Timberland Forest Holding LLC | 47-5322979 | | Delaware |
| Lyme Adirondack Forest Company, LLC | None | | Delaware |
| Lyme Adirondack Timberlands I, LLC | None | | Delaware |
| Lyme Adirondack Timberlands II, LLC | None | | Delaware |
| Lyme Adirondack Timber Sales, LLC | None | | Delaware |
| MSP-SC, LLC | 04-1590850 | | Delaware |
| Insurance Road LLC | 04-1590850 | | Delaware |
| MassMutual Trad Private Equity LLC | 04-1590850 | | Delaware |
| MassMutual Intellectual Property LLC | 04-1590850 | | Delaware |
| Trad Investments I LLC | None | | Delaware |
| ITPS Holding LLC | None | | Delaware |
| HITPS LLC | None | | Delaware |
| EM Opportunities LLC | None | | Delaware |
| MassMutual MCAM Insurance Company, Inc. | None | | Vermont |
| JFIN Parent LLC | None | | Delaware |
| Jefferies Finance LLC | 27-0105644 | | Delaware |
| JFIN GP Adviser LLC | None | | Delaware |
| JFIN Fund III LLC | None | | Delaware |
| Jefferies Credit Partners LLC | None | | Delaware |
| APEX Credit Partners LLC | None | | Delaware |
| Jefferies Credit Management LLC | None | | Delaware |
| JCP Direct Lending CLO 2022 LLC | None | | Delaware |
| JFAM GP LLC | None | | Delaware |
| JFAM GP LP | None | | Delaware |

| | <u>Federal Tax ID</u> | NAIC Co Code | <u>State of Domicile</u> |
|--------------------------------------------|-----------------------|--------------|--------------------------|
| Jefferies Direct Lending Fund C LP | None | | Delaware |
| Jefferies DLF C Holdings LLC | None | | Delaware |
| Jefferies Direct Lending Fund C SPE LLC | None | | Delaware |
| JDLF II GP LLC | None | | Delaware |
| JDLF II GP LP | None | | Delaware |
| Jefferies Direct Lending Fund II C LP | None | | Delaware |
| Jefferies DLF II C Holdings LLC | None | | Delaware |
| Jefferies Direct Lending Fund II C SPE LLC | None | | Delaware |
| Jefferies Private Credit BDC Inc. | None | | Maryland |
| Jefferies Senior Lending LLC | None | | Delaware |
| JFIN Revolver Holdings LLC | None | | Delaware |
| JFIN Revolver Holdings II LLC | None | | Delaware |
| JFIN Revolver Holdings IV LLC | None | | Delaware |
| JFIN Co-Issuer Corporation | None | | Delaware |
| JFIN Europe GP, S.a.r.l. | None | | Luxembourg |
| Jefferies Finance Europe, S.L.P. | None | | Luxembourg |
| Jefferies Finance Europe, SCSp | None | | Luxembourg |
| Jefferies Finance Business Credit LLC | None | | Delaware |
| JFIN Business Credit Fund I LLC | None | | Delaware |
| JFIN Funding 2021 LLC | None | | Delaware |
| JFIN High Yield Investments LLC | None | | Delaware |
| JFIN LC Fund LLC | None | | Delaware |
| JFIN Revolver CLO 2017 Ltd. | None | | Cayman Islands |
| JFIN Revolver CLO 2017-II Ltd. | None | | Cayman Islands |
| JFIN Revolver CLO 2017-III Ltd. | None | | Cayman Islands |
| JFIN Revolver CLO 2018 Ltd. | None | | Cayman Islands |
| JFIN Revolver CLO 2019 Ltd. | None | | Cayman Islands |
| JFIN Revolver CLO 2019-II Ltd. | None | | Cayman Islands |
| JFIN Revolver CLO 2020 Ltd. | None | | Cayman Islands |
| JFIN Revolver CLO 2021-II Ltd. | None | | Cayman Islands |
| JFIN Revolver CLO 2021-V Ltd. | None | | Cayman Islands |
| JFIN Revolver CLO 2022-II Ltd. | None | | Cayman Islands |
| JFIN Revolver CLO 2022-III Ltd. | None | | Cayman Islands |
| JFIN Revolver Fund, L.P. | None | | Delaware |
| JFIN Revolver Funding 2021 Ltd. | None | | Delaware |
| JFIN Revolver Funding 2021-III Ltd. | None | | Delaware |
| JFIN Revolver Funding 2021-IV Ltd. | None | | Delaware |
| JFIN Revolver Funding 2022-I Ltd. | None | | Bermuda |
| JFIN Revolver SPE1 2022 LLC | None | | Delaware |
| Apex Credit Holdings LLC | None | | Delaware |
| JFIN CLO 2012 Ltd. | None | | Cayman Islands |

| | <u>Federal Tax ID</u> | NAIC Co Code | State of Domicile |
|--------------------------------------------|-----------------------|--------------|-------------------|
| JFIN CLO 2013 Ltd. | None | | Cayman Islands |
| JFIN CLO 2014 Ltd. | None | | Cayman Islands |
| JFIN CLO 2014-II Ltd. | None | | Cayman Islands |
| JFIN CLO 2015 Ltd. | None | | Cayman Islands |
| JFIN CLO 2015-II Ltd. | None | | Cayman Islands |
| JFIN CLO 2016 Ltd. | None | | Cayman Islands |
| JFIN CLO 2017 Ltd. | None | | Cayman Islands |
| JFIN CLO 2017 II Ltd. | None | | Cayman Islands |
| Bidepath Holdings Inc. | 86-2294635 | | Delaware |
| Great American Life Insurance Company | 13-1935920 | 63312 | Ohio |
| AAG Insurance Agency, LLC | 31-1422717 | | Kentucky |
| Annuity Investors Life Insurance Company | 31-1021738 | 93661 | Ohio |
| Great American Advisors, LLC | 31-1395344 | | Ohio |
| Manhattan National Holding, LLC | 26-3260520 | | Ohio |
| Manhattan National Life Insurance Company | 45-0252531 | 67083 | Ohio |
| MassMutual Mortgage Lending LLC | None | | Delaware |
| AM Copper Hill Road LLC | 04-1590850 | | Delaware |
| MM Direct Private Investments Holding LLC | None | | Delaware |
| MM Direct Private Investments UK Limited | None | | United Kingdom |
| MM Investment Holding | None | | Cayman Islands |
| MassMutual Asset Finance LLC* | 26-0073611 | | Delaware |
| MMAF Equipment Finance LLC 2013-A | 90-1005837 | | Delaware |
| MMAF Equipment Finance LLC 2014-A | 36-4785301 | | Delaware |
| MMAF Equipment Finance LLC 2015-A | 38-3969560 | | Delaware |
| MMAF Equipment Finance LLC 2016-A | 32-0489588 | | Delaware |
| MMAF Equipment Finance LLC 2017-A | 35-2590691 | | Delaware |
| MMAF Equipment Finance LLC 2017-B | 32-0546197 | | Delaware |
| MMAF Equipment Finance LLC 2018-A | 82-5335801 | | Delaware |
| MMAF Equipment Finance LLC 2019-A | 83-3722640 | | Delaware |
| MMAF Equipment Finance LLC 2019-B | None | | Delaware |
| MMAF Equipment Finance LLC 2021-A | None | | Delaware |
| Rozier LLC | None | | Delaware |
| MML Management Corporation | 04-2443240 | | Massachusetts |
| MassMutual International Holding MSC, Inc. | 04-3548444 | | Massachusetts |
| MassMutual Holding MSC, Inc. | 04-3341767 | | Massachusetts |
| AML CM LLC | None | | Delaware |
| Blueprint Income LLC | None | | New York |
| Flourish Digital Assets LLC | None | | Delaware |
| Flourish Financial LLC | None | | Delaware |
| Flourish Holding Company LLC | None | | Delaware |

| FundNoneDelayarNorthendorige LCNorthendorige LCNorthendorige LCMML investmet Adviser, LCNorthendorige LCNorthendorige LCMML investmet Adviser, LC4-5238013DelayareMML investmet Company, FSB | | <u>Federal Tax ID</u> <u>NAIC Co C</u> | ode <u>State of Domicile</u> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------------|------------------------------|
| Flourish Technologies LLCNoneDelawareMML Distributors LLC*NoneMassacharesMML Investment Advisers, LLCNoneDelawareMML Strategie Distributors, LLC06-150335ConceticatMML Private Equity Fand Investor ILC06-150335DelawareMML Private Equity Fand Investor ILC06-150835DelawareMML Private Equity Fand Investor ILC06-150835DelawareMassMutal Instit Conte ILLCNoneUnitad IngionMassMutal Instit Conte ILLCNoneDelawareMassMutal Actignarie Technologies06-159725Nonth CarolinaMassMutal Ventures Holding LLCNoneDelawareMassMutal Ventures Holding LLCNoneDelawareMassMutal Ventures Stat Asia ILLCNoneDelawareMassMutal Ventures Holding LLCNoneDelawareMassMutal Ventures Holding LLCNone | Flourish Insurance Agency LLC | None | Delaware |
| MML Distributors LLC*04-336880MassachusettsMML investment Advines, LLCNoneDelawareMML Strategic Distributors, LLC04-150835ConercitotMML Private Placement Investment Company, LLC04-150985DelawareMML Private Equity Fund Investment Company, LLC04-150985DelawareMML Private Equity Fund Investment Company, LLC04-150985DelawareMML Private Equity Fund Investment Company, LLC04-150985DelawareMMT Private Equity Fund Investment LLC04-150985DelawareMMT Private Equity Intercontinental LLC04-25238137DelawareMassachutal Holding LLC37-1732913DelawareFern Street LLCNoneDelawareLow Carbon Energy Holding0-1597528Nonit CorlinaSteeper Street LLCNoneDelawareMassAttual Advingement CompanyDelawareDelawareMassAttual Advingement CompanyDelawareDelawareMassAttual Advingement LLCNoneDelawareMassAttual Advingement LLCNoneDelawareMassAttual Venture StAA Managament Private LimitedNoneDelawareMassAttual Venture StAA Managament Private LimitedNoneDelawareMassMatual Venture StAA Managament Private LimitedNoneDelawareMassMatual Venture | | | |
| MM. Strategic Distributors, LLCGelavatebet MassMutual Trate Company, FSB06-16533CelavateMM. Private Equity Fund Investment Company, I, LLC04-1590850DelavateMM. Private Equity Fund Investment Company, I, LLC04-1590850DelavateMM. Private Equity Intercontinental LLC04-1590850DelavateMM. Private Equity Intercontinental LLC04-1590850DelavateStreet LLC04-25273137DelavateMassMutual Holding LLC04-2527341DelavateLow Carbon Energy, HoldingNoneDelavateLow Carbon Energy, Holding04-1590850DelavateMassMutual Assignment Company04-1590850DelavateMassMutual Assignment Company04-1590850DelavateMassMutual Assignment Company04-1590850DelavateMassMutual Assignment Company04-1590850DelavateMassMutual Assignment TLCNoneDelavateMassMutual Assignment TLCNoneDelavateAttens Fund Management FloreNoneDelavateMassMutual Ventures Start Management Private LimitedNoneDelavateMassMutual Ventures Start Management | e | 04-3356880 | Massachusetts |
| MM. Strategic Distributors, LLCGelavatebet MassMutual Trate Company, FSB06-16533CelavateMM. Private Equity Fund Investment Company, I, LLC04-1590850DelavateMM. Private Equity Fund Investment Company, I, LLC04-1590850DelavateMM. Private Equity Intercontinental LLC04-1590850DelavateMM. Private Equity Intercontinental LLC04-1590850DelavateStreet LLC04-25273137DelavateMassMutual Holding LLC04-2527341DelavateLow Carbon Energy, HoldingNoneDelavateLow Carbon Energy, Holding04-1590850DelavateMassMutual Assignment Company04-1590850DelavateMassMutual Assignment Company04-1590850DelavateMassMutual Assignment Company04-1590850DelavateMassMutual Assignment Company04-1590850DelavateMassMutual Assignment TLCNoneDelavateMassMutual Assignment TLCNoneDelavateAttens Fund Management FloreNoneDelavateMassMutual Ventures Start Management Private LimitedNoneDelavateMassMutual Ventures Start Management | MML Investment Advisers, LLC | None | Delaware |
| The MassMulua Trais Company, FSBConnectedMML Private Equity Functonitorie Company, LLC04-1590850DelawareMM Private Equity Functonitorie LLC04-1590850DelawareNum Private Equity Functonitorie LLC04-1590850DelawareNassMutal Indig LLC04-2385410DelawareSeper Street LLC04-2385410DelawareSeper Street LLC04-2385410DelawareSeper Street LLCNoneDelawareSeper Street LLCNoneDelawareSeper Street LLCNoneDelawareSeper Street LLCNoneDelawareMassMutal Capit Parters LLCNoneDelawareMassMutal Capit Parters LLCNoneDelawareMassMutal Capit Parters LLCNoneDelawareMassMutal Capit Parters LLCNoneDelawareMassMutal Venture Stock StateNoneDelawareMassMutal Venture Management LLCNoneDelawareMassMutal Venture Stock StateNoneDelawareMassMutal Venture Stock StateNoneDelawareMassMutal Venture State Asiai ILLCNoneNoneMassMutal Venture Stock StateNoneDelawareMassMutal Venture Stock StateNoneDelaware | | 46-3238013 | Delaware |
| IML Private Placement Investment Company I, LLCOblewareIML Private Equity Fund Investor LLC041590850DelawareIMM Private Equity Fund Investor LLC041590850DelawareIMM Private Equity Fund Investor LLC452731373DelawareMassMutal Holding LLC042853119DelawareInvestor LLC71732013DelawareInvestor LLCNoneUnit K RingfamLow Carbon Energy HoldingNoneUnit K RingfamInvestor LLCNoneDelawareInvestor LLCNoneDelawareMassMutal Asignment Company I, LLCNoneDelawareMassMutal Asignment Company I, LLCNoneDelawareMassMutal Asignment Company I, LLCNoneDelawareMassMutal Capital Partners LLCNoneDelawareMassMutal Ventures Holding LLCNoneDelawareMassMutal Ventures Holding LLCNoneDelawareMassMutal Ventures Management ILCNoneDelawareMassMutal Ventures Management ILCNoneDelawareMassMutal Ventures Staft Annagement Privat LimitedNoneDelawareMassMutal Ventures Staft ILLCNoneDelawareMassMutal Ventures US ILLCNoneDelaware <tr< td=""><td></td><td></td><td></td></tr<> | | | |
| IML private Equity Functoring LC0-415900850DelawareMM Private Equity Intercontine LLC0-45900850DelawareMassMutual Joding LLC45-2738137DelawareLow Carbon Energy Holding37/172913DelawareLow Carbon Energy Holding37/172913DelawareLow Carbon Energy HoldingNoneDelawareSleeper Street LLCNoneDelawareMassMutual Asignent Company0-61597528Nonth CortisMassMutual Asignent Company0-61597528Nonth CortisMassMutual Asignent Company0-61597528Nonth CortisMassMutual Varitures Holding LLCNoneDelawareCrane Verture Patters LLPNoneDelawareCrane Verture Patters LLPNoneDelawareMassMutual Vertures Southeast Asia I LLCNoneDelawareMassMutual Vertures Southeast Asia I LLCNoneDelawareMassMutual Vertures Southeast Asia II LLCNoneDelawareMassMutual Vertures Southea | 1 57 | 04-1590850 | Delaware |
| MM rive Equity Intercontinental LLC0.41500800.418080Pioneers Gate LLC0.428543190.40ava eMassMutual Holding LLC0.428543190.40ava eLow Carbon Energy HoldingNone0.40ava eLow Carbon Energy Holding0.0000.4000Sleeper Street LLCNone0.4000MassMutual Agring Partner LLC0.0000.4000MassMutual Agring Partner LLC0.41590800.40000MassMutual Agring Partner LLC0.41590800.40000MassMutual Agring Partner LLCNone0.40000MassMutual Ventures Holding LLCNone0.400000MassMutual Ventures Holding LLCNone0.400000MassMutual Ventures Management LLCNone0.400000MassMutual Ventures Management Private LimitedNone0.400000MassMutual Ventures Management Private LimitedNone0.400000MassMutual Ventures States Asia II LLCNone0.400000MassMutual Ventures States Asia II LLCNone0.4000000MassMutual Ventures States Asia II LLCNone0.400000000000000000000000000000000000 | | 04-1590850 | Delaware |
| Pioness Gate LLC45-278.137DelawareMassMutual Iolding LLC04-285.431DelawareFem Street LLCNoneUnited KingdomSleeper Street LLCNoneDelawareBaseMutual Assignment Company06-1397.52NoneMassMutual Assignment Company06-1397.52NoneMassMutual Assignment Company06-1397.52NoneMassMutual Capital Patrnes LLCNoneDelawareMassMutual Capital Patrnes LLCNoneDelawareMassMutual Ventures Holfing LLCNoneDelawareCrane Venture Patrnes LLPNoneDelawareMassMutual Ventures Staft Management LLCNoneDelawareMassMutual Ventures Southeast Asia I LLCNoneDelawareMassMutual Ventures US I LLCNoneDelawareMassMutual Ventures US I LLCNoneDelawareMassMutual Ventures US I LLCNoneDelawareMassMutua | | 04-1590850 | Delaware |
| Fens Street LLC37-173291.3DelivareLow Carbon Energy HoldingNoneUnied KingdomSleeper Street LLCNoneDelawareHaven Life Insurance Agency, LLC4-2252944DelawareMassMutual Capital Partners LLC061597525Nont CorolinaMassMutual Capital Partners LLCNoneDelawareMassMutual Capital Partners LLCNoneDelawareMassMutual Ventures Holding LLCNoneDelawareMassMutual Ventures SLAPNoneDelawareMassMutual Ventures Staf Mangement LLCNoneDelawareMassMutual Ventures Suthens Atali LLCNoneDelawareMassMutual Ventures Southeast Asia ILLCNoneDelawareMassMutual Ventures US LLCNoneDelawareMassMutual Ventures US LLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMussMutual Ventures US ILLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMussMutual Ventures US ILLCNoneDelawareMassMutual Ventures US ILLCNoneDelaw | | 45-2738137 | Delaware |
| Fens Street LLC37-173291.3DelivareLow Carbon Energy HoldingNoneUnied KingdomSleeper Street LLCNoneDelawareHaven Life Insurance Agency, LLC4-2252944DelawareMassMutual Capital Partners LLC061597525Nont CorolinaMassMutual Capital Partners LLCNoneDelawareMassMutual Capital Partners LLCNoneDelawareMassMutual Ventures Holding LLCNoneDelawareMassMutual Ventures SLAPNoneDelawareMassMutual Ventures Staf Mangement LLCNoneDelawareMassMutual Ventures Suthens Atali LLCNoneDelawareMassMutual Ventures Southeast Asia ILLCNoneDelawareMassMutual Ventures US LLCNoneDelawareMassMutual Ventures US LLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMussMutual Ventures US ILLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMussMutual Ventures US ILLCNoneDelawareMassMutual Ventures US ILLCNoneDelaw | MassMutual Holding LLC | 04-2854319 | Delaware |
| Sleeper Street LLZNoneDelawareHaven Life Insunare Agency, LLZ06-1597528NorhMassMutual Assignment Company06-1597528NorhMassMutual Capital Partners LLZNoneDelawareMassMutual Capital Partners LLCNoneDelawareCrane Venture Partners LLPNoneUnited KingdomMassMutual Ventures Holding LLCNoneDelawareMassMutual Ventures Startners LLPNoneDelawareMassMutual Ventures Southeast Asia I LLCNoneDelawareMassMutual Ventures Southeast Asia II LLCNoneDelawareMassMutual Ventures US LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMMs Catalyst Fund LLCNoneDelawareMMt Catalyst Fund LLCNoneDelawareMMt Catalyst Fund LLCNoneDelawareMMt Catalyst Fund LLCNoneDelawareMMt Catalyst Fund LLCNoneDelaware | | 37-1732913 | Delaware |
| Sleeper Street LLCNoneDelawareHaven Life Insurace Agency, LLC46-282944MawreMassMutual Assignment Company06-1597528North CarolinaMassMutual Capital Partners LLCNoneDelawareMassMutual Capital Partners LLCNoneDelawareCrane Venture Partners LLCNoneUnited KingdomMassMutual Ventures Holding LLCNoneDelawareMassMutual Ventures Stares Management Private LimitedNoneDelawareMassMutual Ventures Southeast Asia I LLCNoneDelawareMassMutual Ventures UK LLCNoneDelawareMassMutual Ventures UK LLCNoneDelawareMassMutual Ventures UK I LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMMs Catalyst Fund LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMMs Catalyst Fund LLCNoneDelawareMMs Catalyst Fund LLCNoneDelawareMMs Catalyst Fund LLCNoneDelawareMMs Catalyst Fund LLCNoneDelaware | Low Carbon Energy Holding | None | United Kingdom |
| MassMutual Assignment Company0-61 597528Note CarolinaMassMutual Cipital Partnes LLC0-61 597528OelavareAthens Fund Management LLCNoneDelavareCrane Venture Partners LLPNoneDelavareMassMutual Ventures Management Private LimitedNoneDelavareMassMutual Ventures StAmangement Private LimitedNoneDelavareMassMutual Ventures StAmangement Private LimitedNoneDelavareMassMutual Ventures Southeast Asia ILLCNoneDelavareMassMutual Ventures US LLCNoneDelavareMassMutual Ventures US ILLCNoneDelavareMassMutual Ventures US II LLCNoneDelavareMassMutual Ventures US II LLCNoneDelavareMassMutual Ventures US II LLCNoneDelavareMassMutual Ventures US II LLCNoneDelavareMM Catalyst Fund LLCNoneUnited KingdomMM Catalyst Fund LLCNoneUnited KingdomMM Catalyst Fund LLC <td>Sleeper Street LLC</td> <td>None</td> <td>Delaware</td> | Sleeper Street LLC | None | Delaware |
| MassMutual Assignment Company0-61 597528Note CarolinaMassMutual Cipital Partnes LLC0-61 597528OelavareAthens Fund Management LLCNoneDelavareCrane Venture Partners LLPNoneDelavareMassMutual Ventures Management Private LimitedNoneDelavareMassMutual Ventures StAmangement Private LimitedNoneDelavareMassMutual Ventures StAmangement Private LimitedNoneDelavareMassMutual Ventures Southeast Asia ILLCNoneDelavareMassMutual Ventures US LLCNoneDelavareMassMutual Ventures US ILLCNoneDelavareMassMutual Ventures US II LLCNoneDelavareMassMutual Ventures US II LLCNoneDelavareMassMutual Ventures US II LLCNoneDelavareMassMutual Ventures US II LLCNoneDelavareMM Catalyst Fund LLCNoneUnited KingdomMM Catalyst Fund LLCNoneUnited KingdomMM Catalyst Fund LLC <td>Haven Life Insurance Agency, LLC</td> <td>46-2252944</td> <td>Delaware</td> | Haven Life Insurance Agency, LLC | 46-2252944 | Delaware |
| MassMutual Ventures Holding LLCNoneDelawareAthens Fund Management LLCNoneDelawareCarate Venture Partners LLPNoneDelawareMassMutual Ventures Management LCNoneDelawareMassMutual Ventures Southeast Asia ILLCNoneDelawareMassMutual Ventures Southeast Solati ILLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMore Attenties US ILLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMutatabast Holdco US LLCNoneDelawareMore Attenties LLCNoneDelawareMutatabast Holdco US LLCNoneDelawareMutatabast Holdco US LLCNoneNoneDelawareRothesay MANo.1 LimitedNoneNoneUnited KingdomRothesay MANO.2 Limited <td< td=""><td></td><td>06-1597528</td><td>North Carolina</td></td<> | | 06-1597528 | North Carolina |
| Athens Fund Management LLCNoneDelawareCrace Venture Partners LLPNoneDelawareMassMutual Ventures StA Management Private LimitedNoneDelawareMassMutual Ventures Southeast Asia ILLCNoneDelawareMassMutual Ventures US LLCNoneDelawareMassMutual Ventures US LLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMassMutual Ventures US ILLCNoneDelawareMore Career US IV LLCNoneDelawareOpen Alternatives LLCNoneDelawareMM Rothesay Holdc US LLCNoneDelawareMM Rothesay Holdc US LLCNoneUnited KingdomRothesay Life PlcNoneNoneUnited KingdomRothesay MA No.1 LimitedNoneNoneUnited KingdomRothesay MA No.1 LimitedNoneUnited KingdomRothesay MA No.1 LimitedNoneUnited KingdomRothesay MA No.1 LimitedNoneUnited King | MassMutual Capital Partners LLC | 04-1590850 | Delaware |
| Crane Venture Partners LLPNoneUnited KingdomMassMutua Ventures Stel Management Private LimitedNoneSingaporeMassMutual Ventures Southeast Asia I LLCNoneDelawareMassMutual Ventures Southeast Asia II LLCNoneDelawareMassMutual Ventures Southeast Asia II LLCNoneDelawareMassMutual Ventures Southeast Asia III LLCNoneDelawareMMV Digital I LLCNoneDelawareMMV Digital I LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US IV LLCNoneDelawareMMC Catalyst Fund LLCNoneDelawareMMC Catalyst Fund LLCNoneDelawareMMR Catalyst Fund LLCNoneDelawareRothesay Lifie PleNoneUnited KingdomRothesay Lifie PleNoneUnited KingdomRothesay MA No.1 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay | MassMutual Ventures Holding LLC | None | Delaware |
| MassMutual Ventures Management LLCNoneDelawareMassMutual Ventures SEA Management Private LimitedNoneSingaporeMassMutual Ventures Southeast Asia II LLCNoneDelawareMassMutual Ventures Southeast Asia II LLCNoneDelawareMassMutual Ventures Southeast Asia III LLCNoneDelawareMassMutual Ventures Southeast Asia III LLCNoneDelawareMMV Digital ILLCNoneDelawareMassMutual Ventures UK LLCNoneDelawareMassMutual Ventures US I LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareOpen Alternatives LLCNoneDelawareMM Catalyst Fund LLCNoneDelawareMM Catalyst Fund LLCNoneDelawareMM Rothesay Lifie PleNoneUnited KingdomRothesay Lifie PleNoneUnited KingdomRothesay MA No.1 LimitedNoneUnited KingdomRothesay MA No.2 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited Kingdom <tr< td=""><td></td><td>None</td><td>Delaware</td></tr<> | | None | Delaware |
| MassMutual Ventures SEA Management Private LimitedNoneSingaporeMassMutual Ventures Southeast Asia ILLCNoneDelawareMassMutual Ventures Southeast Asia II LLCNoneDelawareMassMutual Ventures Southeast Asia II LLCNoneDelawareMMV Digital ILLCNoneCayman IslandsMassMutual Ventures UK LLCNoneDelawareMassMutual Ventures US IL LCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareOpen Alternatives LLCNoneDelawareOpen Alternatives LLCNoneDelawareMMC Catalyst Fund LLCNoneDelawareMMR Catalyst Fund LLCNoneDelawareMMR Catalyst Fund LLCNoneDelawareRothesay LimitedNoneUnited KingdomRothesay LimitedNoneUnited KingdomRothesay LimitedNoneUnited KingdomRothesay MANo.1 LimitedNoneUnited KingdomRothesay MANo.2 LimitedNoneUnited KingdomRothesay MANo.3 LimitedNoneUnited KingdomRothesay MANo.3 LimitedNoneUnited KingdomRothesay MANo.3 LimitedNoneUnited KingdomRothesay MANo.3 LimitedNone <td< td=""><td>Crane Venture Partners LLP</td><td>None</td><td>United Kingdom</td></td<> | Crane Venture Partners LLP | None | United Kingdom |
| MassMutual Ventures Southeast Asia I LLCNoneDelawareMassMutual Ventures Southeast Asia II LLCNoneDelawareMassMutual Ventures Southeast Asia III LLCNoneDelawareMNV Digital 1 LLCNoneCayman IslandsMassMutual Ventures UK LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US III LLCNoneDelawareOpen Alternatives LLCNoneDelawareOpen Alternatives LLCNoneDelawareMM Catalyst Fund LLCNoneDelawareMM Catalyst Fund LLCNoneDelawareMM Rothesay Holdco US LLCNoneDelawareRothesay Lifie PleNoneUnited KingdomRothesay Lifie PleNoneUnited KingdomRothesay MA No.1 LimitedNoneUnited KingdomRothesay MA No.2 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNone | MassMutual Ventures Management LLC | None | Delaware |
| MassMutual Ventures Southeast Asia III LLCNoneDelawareMassMutual Ventures Southeast Asia III LLCNoneDelawareMW Digital I LLCNoneCarma IslandsMassMutual Ventures UK LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US IV LLCNoneDelawareOpen Alternatives LLCNoneDelawareMM Catalyst Fund LLCNoneDelawareMM Catalyst Fund LLCNoneDelawareMM Catalyst Fund LLCNoneDelawareMM Chtesay Holdco US LLCNoneDelawareMM Chtesay LinitedNoneUnited KingdomRothesay LinitedNoneUnited KingdomRothesay LinitedNoneUnited KingdomRothesay MAN.0.1 LinitedNoneUnited KingdomRothesay MAN.0.2 LinitedNoneUnited KingdomRothesay MAN.0.3 LinitedNoneUnited KingdomRothesay MAN.0.3 LinitedNoneUnited KingdomNoneNoneUnited KingdomNoneNoneUnited KingdomNoneNoneUnited KingdomNoneNoneUnited KingdomNoneNoneUnited KingdomNoneNoneUnited KingdomNoneNoneUn | | None | Singapore |
| MassMutual Ventures Southeast Asia III LLCNoneDelawareMMV Digital I LLCNoneDelawareMassMutual Ventures UK LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US IV LLCNoneDelawareOpen Alternatives LLCNoneDelawareOpen Alternatives LLCNoneDelawareMMR Rothesay Holdco US LLCNoneDelawareMMR Rothesay LinitedNoneDelawareRothesay Life PleNoneDelawareRothesay MANo.1 LimitedNoneUnited KingdomRothesay MANo.2 LimitedNoneUnited KingdomRothesay MANo.1 LimitedNoneUnited Kingdom< | | | |
| MMV Digital LLCNoneCayma IslandsMassMutual Ventures UK LLCNoneDelawareMassMutual Ventures US IL LLCAnoneDelawareMassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US IV LLCNoneDelawareMassMutual Ventures US IV LLCNoneDelawareOpen Alternatives LLCNoneDelawareOpen Alternatives LLCNoneDelawareMMR Catalyst Fund LLCNoneDelawareMMR Catalyst Fund LLCOneDelawareRothesay LinitedNoneUnited KingdomRothesay Life PlcNoneUnited KingdomRothesay Life PlcNoneUnited KingdomRothesay MANo.1 LinitedNoneUnited KingdomRothesay MANo.1 LinitedNoneUnited KingdomRothesay MANo.1 LinitedNoneUnited KingdomRothesay MANo.2 LinitedNoneUnited KingdomRothesay MANo.3 LinitedNoneUnited KingdomRothesay MANO. | | | |
| MassMutual Ventures UK LLCNoneDelawareMassMutual Ventures US I LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US IV LLCNoneDelawareOpen Alternatives LLCNoneDelawareOpen Alternatives LLCNoneDelawareMM Catalyst Fund LLCNoneDelawareMM Rothesay Holdco US LLCNoneDelawareRothesay Life PlcNoneDelawareRothesay Life PlcNoneUnited KingdomRothesay MA No.1 LimitedNoneUnited KingdomRothesay MA No.2 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited Kingdom | | | |
| MassMutual Ventures US ILLCAvenMassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US III LLCNoneDelawareMassMutual Ventures US IV LLCNoneDelawareOpen Altematives LLCNoneDelawareOpen Altematives LLCNoneDelawareMM Catalyst Fund LLCNoneDelawareMM Rothesay Holdco US LLCNoneDelawareRothesay LimitedNoneDelawareRothesay Limited PcNoneDelawareRothesay MA No.1 Limited RothesayNoneUnited KingdomRothesay MA No.2 Limited No.2 LimitedNoneUnited KingdomRothesay MA No.2 Limited No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUni | | None | Cayman Islands |
| MassMutual Ventures US II LLCNoneDelawareMassMutual Ventures US III LLCNoneDelawareMassMutual Ventures US IV LLCNoneDelawareOpen Alternatives LLCNoneDelawareMM Catalyst Fund LLCNoneDelawareMM Rothesay Holdco US LLCNoneDelawareRothesay LimitedNoneUnited KingdomRothesay Life PlcNoneUnited KingdomRothesay MA No.1 LimitedNoneUnited KingdomRothesay MA No.2 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited Kingdom | | | |
| MassMutual Ventures US III LLCNoneDelawareMassMutual Ventures US IV LLCNoneDelawareOpen Alternatives LLCNoneDelawareMM Catalyst Fund LLCNoneDelawareMM Rothesay Holdco US LLCNoneDelawareRothesay Life PlcNoneUnited KingdomRothesay Life PlcNoneUnited KingdomRothesay MA No.1 LimitedNoneUnited KingdomRothesay MA No.2 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited Kingdom | | | |
| MassMutual Ventures US IV LLCNoneDelawareOpen Alternatives LLCNoneDelawareMM Catalyst Fund LLCNoneDelawareMM Rothesay Holdco US LLCNoneDelawareRothesay Life PlcNoneUnited KingdomRothesay Life PlcNoneUnited KingdomRothesay MA No.1 LimitedNoneUnited KingdomRothesay MA No.2 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited Kingdom | | | |
| Open Alternatives LLCNoneDelawareMM Catalyst Fund LLCNoneDelawareMM Rothesay Holdco US LLC04-1590850DelawareRothesay LimitedNoneUnited KingdomRothesay Life PlcNoneUnited KingdomRothesay MA No.1 LimitedNoneUnited KingdomRothesay MA No.2 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited Kingdom | | | |
| MM Catalyst Fund LLC None Delaware MM Rothesay Holdco US LLC 04-1590850 Delaware Rothesay Limited None United Kingdom Rothesay Life Plc None United Kingdom Rothesay MA No.1 Limited None United Kingdom Rothesay MA No.2 Limited None United Kingdom Rothesay MA No.3 Limited None United Kingdom | | | |
| MM Rothesay Holdco US LLC04-1590850DelawareRothesay LimitedNoneUnited KingdomRothesay Life PlcNoneUnited KingdomRothesay MA No.1 LimitedNoneUnited KingdomRothesay MA No.2 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited Kingdom | 1 | | |
| Rothesay Limited Rothesay Life PlcNoneUnited KingdomRothesay MA No.1 Limited Rothesay MA No.2 LimitedNoneUnited KingdomRothesay MA No.2 Limited Rothesay MA No.3 LimitedNoneUnited KingdomNoneUnited KingdomUnited KingdomNoneUnited KingdomUnited KingdomNoneUnited KingdomUnited Kingdom | | | |
| Rothesay Life PlcNoneUnited KingdomRothesay MA No.1 LimitedNoneUnited KingdomRothesay MA No.2 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited Kingdom | | | |
| Rothesay MA No.1 LimitedNoneUnited KingdomRothesay MA No.2 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited Kingdom | | | |
| Rothesay MA No.2 LimitedNoneUnited KingdomRothesay MA No.3 LimitedNoneUnited Kingdom | | | 6 |
| Rothesay MA No.3 Limited United Kingdom | | | |
| | | | |
| Rothesay MA No.4 Limited United Kingdom | | | |
| | Rothesay MA No.4 Limited | None | United Kingdom |

| | Federal Tax ID NAIC Co Code | State of Domicile |
|----------------------------------------------------------------|-----------------------------|---------------------------------------------------|
| LT Mortgage Finance Limited | None | United Kingdom |
| Rothesay Property Partnership 1 LLP | None | United Kingdom |
| Rothesay Foundation | None | United Kingdom |
| Rothesay Pensions Management Limited | None | United Kingdom |
| Rothesay Asset Management UK Limited | None | United Kingdom |
| Rothesay Asset Management Australia Pty Ltd | None | Australia |
| Rothesay Asset Management US LLC | None | Delaware |
| MML Investors Services, LLC | 04-1590850 | Massachusetts |
| MML Insurance Agency, LLC | 04-1590850 | Massachusetts |
| MMLISI Financial Alliances, LLC | 41-2011634 | Delaware |
| LifeScore Labs, LLC | 47-1466022 | Massachusetts |
| MM Asset Management Holding LLC | 45-4000072 | Delaware |
| Barings LLC | 51-0504477 | Delaware |
| Baring Asset Management (Asia) Holdings Limited | 98-0524271 | Hong Kong, Special Administrative Region of China |
| Baring International Fund Managers (Bermuda) Limited | 98-0457465 | Bermuda |
| Baring Asset Management (Asia) Limited | 98-0457463 | Hong Kong, Special Administrative Region of China |
| Baring Asset Management Korea Limited | None | Korea |
| Barings Investment Management (Shanghai) Limited | None | Hong Kong, Special Administrative Region of China |
| Barings Overseas Investment Fund Management (Shanghai) Limited | None | Hong Kong, Special Administrative Region of China |
| Baring SICE (Taiwan) Limited | 98-0457707 | Taiwan ROC |
| Barings Singapore Pte. Ltd. | None | Singapore |
| Barings Japan Limited | 98-0236449 | Japan |
| Barings Australia Holding Company Pty Ltd | None | Australia |
| Barings Australia Pty Ltd | 98-0457456 | Australia |
| Barings Finance LLC | 80-0875475 | Delaware |
| BCF Europe Funding Limited | None | Ireland |
| BCF Senior Funding I LLC | None | Delaware |
| BCF Senior Funding I Designated Activity Company | None | Ireland |
| Barings Real Estate Acquisitions LLC | None | Delaware |
| Barings Securities LLC | 04-3238351 | Delaware |
| Barings Guernsey Limited | 98-0437588 | Guernsey |
| Barings Europe Limited | None | United Kingdom |
| Barings Asset Management Spain SL | None | Spain |
| Barings GmbH | None | Germany |
| Barings Italy S.r.l. | None | Italy |
| Barings Sweden AB | None | Sweden |
| Barings Netherlands B.V. | None | Netherlands |
| Barings Real Estate UK Holdings Limited | None | Delaware |
| Barings (U.K.) Limited | 98-0432153 | United Kingdom |
| Baring Asset Management Limited | 98-0241935 | United Kingdom |
| Barings European Direct Lending 1 GP LLP | None | United Kingdom |

| | | <u>Federal Tax ID</u> | NAIC Co Code | State of Domicile |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BMC Holdings DE LLC Barings Real Estate Advisers Inc CRA Aircraft Holding LLC* Aland Royalty Holdings LP Chassis Acquisition Holding LL EIP Holdings I, LLC GASL Holdings LLC Intermodal Holding II LLC Milestone Acquisition Holding J Novation Companies, Inc. Red Lake Ventures, LLC Remington L & W Holdings LL Tamiami Citrus, LLC Teaktree Acquisition, LLC Techquity, LP Validus Holding Company LLC VGS Acquisition Holding, LLC Aland Royalty GP, LLC Alaska Future Fund GP, LLC | C LLC C* | 98-1012393 98-0457328 98-0457576 98-0524272 None 98-0497550 98-0497550 98-0497550 98-0457586 None 98-0457578 None None None None None None None None | NAIC Co Code | United Kingdom United Kingdom United Kingdom United Kingdom Ireland Switzerland France United Kingdom United Kingdom United Kingdom Luxembourg United Kingdom Luxembourg United Kingdom Luxembourg United Kingdom Luxembourg United Kingdom Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware Delaware |
| BAI Funds SLP, LLC BAI GP, LLC Baring Asset-Based Income Fur | d (US) GP, LLC | None None None | | Delaware Delaware Delaware |
| Barings CMS Fund GP, LLC | | None | | Delaware |

| | <u>Federal Tax ID</u> | NAIC Co Code | <u>State of Domicile</u> |
|------------------------------------------------------------------|-----------------------|--------------|--------------------------|
| Barings Hotel Opportunity Venture I GP, LLC | None | | Delaware |
| Barings Investment Series LLC | None | | Delaware |
| Barings Emerging Generation Fund GP, LLC | None | | Delaware |
| Barings Emerging Generation Fund GP II, LLC | None | | Delaware |
| Barings ERS PE Emerging Manager III GP, LLC | None | | Delaware |
| Barings Global Investment Funds (U.S.) Management LLC | 04-1590850 | | Delaware |
| Barings CLO Investment Partners GP, LLC | None | | Delaware |
| Barings Core Property Fund GP LLC | None | | Delaware |
| Barings Direct Lending GP Ltd. | None | | Cayman Islands |
| Barings Emerging Generation Fund LP | 84-3784245 | | Delaware |
| Barings Global Energy Infrastructure Advisors, LLC | None | | Delaware |
| Barings Global Real Assets Fund GP, LLC | None | | Delaware |
| Barings GPSF | None | | Delaware |
| Barings North American Private Loan Fund Management, LLC | None | | Delaware |
| Barings North American Private Loan Fund Management II, LLC | None | | Delaware |
| Barings North American Private Loan Fund Management III, LLC | None | | Delaware |
| Barings Small Business Fund LLC | 84-5063008 | | Delaware |
| Benton Street Advisors, Inc. | 98-0536233 | | Cayman Islands |
| BHOVI Incentive LLC | None | | Delaware |
| BIG Real Estate Fund GP LLC | None | | Delaware |
| BIG Real Estate Incentive I LLC | None | | Delaware |
| BIG Real Estate Incentive II LLC | None | | Delaware |
| BRECS VII GP LLC | None | | Delaware |
| BREDIF GP LLC | None | | Delaware |
| CREF X GP LLC | None | | Delaware |
| Great Lakes III GP, LLC | 04-1590850 | | Delaware |
| Lake Jackson LLC | None | | Delaware |
| Loan Strategies Management LLC | 04-1590850 | | Delaware |
| Mezzco III LLC | 41-2280126 | | Delaware |
| Mezzco IV LLC | 80-0920285 | | Delaware |
| Mezzco Australia II LLC | None | | Delaware |
| RECSA-NY GP LLC | None | | Delaware |
| SBNP SIA II LLC | None | | Delaware |
| SBNP SIA III LLC | None | | Delaware |
| Somerset Special Opportunities Management LLC | 04-1590850 | | Delaware |
| Amherst Long Term Holdings, LLC | None | | Delaware |
| MassMutual International LLC | 04-3313782 | | Delaware |
| MassMutual Solutions LLC | None | | Delaware |
| Haven Technologies Asia Limited | None | | Hong Kong |
| Yunfeng Financial Group Limited MassMutual Asia Limited (SPV) | None None | | Hong Kong |
| iviassiviutuai Asia Liinittu (SFV) | nome | | Hong Kong |

| | Federal Tax ID NAIC Co Code | State of Domicile |
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| MML Mezzanine Investor II, LLC | 04-1590850 | Delaware |
| MML Mezzanine Investor III, LLC | 04-1590850 | Delaware |
| MassMutual External Benefits Group LLC | 27-3576835 | Delaware |
| Other Affiliates & Funds: | | |
| 100 w. 3 rd Street LLC | 04-1590850 | Delaware |
| 300 South Tryon Hotel LLC | 82-2432216 | Delaware |
| 2160 Grand Manager LLC | 04-1590850 | Delaware |
| 300 South Tryon LLC | 04-1590850 | Delaware |
| Almack Mezzanine Fund II Unleveraged LP | None | United Kingdom |
| Barings Affordable Housing Mortgage Fund I LLC | 82-3468147 | Delaware |
| Barings Affordable Housing Mortgage Fund II LLC | 61-1902329 | Delaware |
| Barings Affordable Housing Mortgage Fund III LLC | 85-3036663 | Delaware |
| Barings Asset-Based Income Fund (US) LP | 36-4868350 | Delaware |
| Barings Emerging Markets Corporate Bond Fund* | None | Ireland |
| Barings European Real Estate Debt Income Fund | None | Luxembourg |
| Babson Capital Global Special Situation Credit Fund 2* | 98-1206017 | Delaware |
| Babson Capital Loan Strategies Fund, L.P.* | 37-1506417 | Delaware |
| Barings US High Yield Bond Fund* | None | Ireland |
| Babson CLO Ltd. 2012-II | None | Cayman Islands |
| Babson CLO Ltd. 2013-I | None | Cayman Islands |
| southBabson CLO Ltd. 2015-I | None | Cayman Islands |
| Babson CLO Ltd. 2015-II | None | Cayman Islands |
| Babson CLO Ltd. 2016-I | None | Cayman Islands |
| Babson CLO Ltd. 2016-II | None | Cayman Islands |
| Barings CLO Ltd. 2017-I | None | Cayman Islands |
| Barings CLO 2018-III | None | Cayman Islands |
| Barings CLO 2018-IV | None | Cayman Islands |
| Barings CLO 2019-II | 98-1473665 | Cayman Islands |
| Barings CLO 2019-III | None | Cayman Islands |
| Barings CLO 2019-IV | None | Cayman Islands |
| Barings CLO 2020-I | None | Cayman Islands |
| Barings CLO 2020-II | None | Cayman Islands |
| Barings CLO 2020-III | None | Cayman Islands |
| Barings CLO 2020-IV | None | Cayman Islands |
| Barings CLO 2021-I | ZJX0JI.99999.SL.136 | Cayman Islands |
| Barings CLO 2021-II | EPXAC4.99999.SL.136 (GIIN) | Cayman Islands |
| Barings CLO 2021-III | None | Cayman Islands |
| Babson Euro CLO 2014-I BV | None | Netherlands |
| Babson Euro CLO 2014-II BV | None | Netherlands |
| Babson Euro CLO 2015-I BV | None | Netherlands |

| | <u>Federal Tax ID</u> <u>NAIC Co Code</u> | State of Domicile |
|------------------------------------------------------|-------------------------------------------|-------------------|
| Barings Euro CLO 2019-I | 3603726ОН | Ireland |
| Barings Euro CLO 2019-II | None | Ireland |
| Barings Euro CLO 2020-I DAC | None | Ireland |
| Barings Euro CLO 2021-I DAC | 3715576VH | Ireland |
| Barings Euro CLO 2021-II DAC | 3750378QH | Ireland |
| Barings Euro CLO 2021-III DAC | None | Ireland |
| Barings Global Em. Markets Equity Fund | 82-5330194 | North Carolina |
| Barings Global Energy Infrastructure Fund I LP | 98-1332384 | Cayman Islands |
| Barings Global Inv. Grade Strat Fund | None | Ireland |
| Barings Global Real Assets Fund LP | 82-3867745 | Delaware |
| Barings Global Special Situations Credit Fund 3 | None | Ireland |
| Barings Global Special Situations Credit 4 Delaware* | 85-1465973 | Delaware |
| Barings Global Special Situations Credit 4 LUX* | 98-1570693 | Luxembourg |
| Barings Global Technology Equity Fund | HU7DQ.00011.SF.372(GIIN) | Ireland |
| Barings Hotel Opportunity Venture | 87-0977058 | Connecticut |
| Barings Innovations & Growth Real Estate Fund* | 86-3661023 | Delaware |
| Barings Middle Market CLO 2017-I Ltd & LLC | None | Cayman Islands |
| Barings Middle Market CLO 2018-I | None | Cayman Islands |
| Barings Middle Market CLO 2019-I | None | Cayman Islands |
| Barings Middle Market CLO Ltd 2021-I | 98-1612604 | Cayman Islands |
| Barings North American Private Loan Fund LP | 38-4010344 | Delaware |
| Barings RE Credit Strategies VII LP | 98-1332384 | Delaware |
| Barings Target Yield Infrastructure Debt Fund* | 98-1567942 | Luxembourg |
| Barings CLO Investment Partners LP | 81-0841854 | Delaware |
| Barings Euro Value Add II (BREEVA II)* | K15Q2K.99999.SL.442 | Luxembourg |
| Barings Real Estate European Value Add I SCSp* | None | United Kingdom |
| Barings Real Estate Debt Income Fund LP* | 85-3449260 | Delaware |
| Barings Transportation Fund LP* | 87-1262754 | Delaware |
| Braemar Energy Ventures I, L.P.* | None | Delaware |
| Barings European Core Property Fund SCSp | None | Luxembourg |
| Barings European Private Loan Fund III A | 46-5001122 | Luxembourg |
| Benchmark 2018-B2 Mortgage Trust | 38-4059932 | New York |
| Benchmark 2018-B4 | None | New York |
| Benchmark 2018-B8 | 38-4096530 | New York |
| Barings Core Property Fund LP | 20-5578089 | Delaware |
| Cornerstone Real Estate Fund X LP | 46-5432619 | Delaware |
| Gateway Mezzanine Partners II LP* | 90-0991195 | Delaware |
| Great Lakes III, L.P. | 37-1708623 | Delaware |
| GIA EU Holdings - Emerson JV Sarl | EIN 98-1607033 | Luxembourg |
| JPMCC Commercial Mortgage Securities Trust 2017-JP7 | 38-4041011; 38-4041012 | New York |
| JPMDB Commercial Mortgage Securities Trust 2017-C5 | 38-4032059 | New York |

| | <u>Federal Tax ID</u> <u>NAIC Co Co</u> | de State of Domicile |
|-----------------------------------------------------------------|-----------------------------------------|--------------------------|
| KKR-MM Vector LP | 82-1512591 | Delaware |
| Marco Hotel LLC | 46-4255307 | Delaware |
| Miami Douglas One GP LLC* | 04-1590850 | Delaware |
| Miami Douglas Two GP LLC* | 04-1590850 | Delaware |
| Miami Douglas One LP* | 04-1590850 | Delaware |
| Miami Douglas Two LP* | 04-1590850 | Delaware |
| Miami Douglas Three MM LLC | 04-1590850 | Delaware |
| MM BIG Peninsula Co-Invest Member LLC | 87-4021641 | Delaware |
| NYDIG Digital Assets Fund II LP | 85-3886824 | Delaware |
| HB Naples Golf Owner LLC | 45-3623262 | Delaware |
| MM CM Holding LLC | None | Delaware |
| MM Debt Participations LLC | 81-3000420 | Delaware |
| RB Apartments LLC | 82-4411267 | Delaware |
| Somerset Special Opportunities Fund L.P.* | 20-8856877 | Delaware |
| Ten Fan Pier Boulevard LLC | 35-2553915 | Delaware |
| Tower Square Capital Partners III, L.P. | 41-2280127 | Delaware |
| Tower Square Capital Partners IIIA, L.P. | 41-2280129 | Delaware |
| Trailside MM Member LLC* | 04-1590850 | Delaware |
| Washington Gateway Two LLC* | 83-1325764 | Delaware |
| Washington Gateway Three LLC* | 32-0574045 | Delaware |
| West 46 th Street Hotel LLC | 05-1590850 | Delaware |
| Barings Affiliates & Funds: | | |
| Babson Capital Loan Strategies Master Fund LP | None | Cayman Islands |
| Barings China Aggregate Bond Private Securities Investment Fund | None | Peoples Republic of Chin |
| Barings European Growth Trust Fund | HU7DQI.00015.SF.826 | United Kingdom |
| Barings Global High Yield Fund | 47-3790192 | Massachusetts |
| CCIC Fund | None | Peoples Republic of Chin |
| Great Lakes II LLC* | 71-1018134 | Delaware |
| Wood Creek Venture Fund LLC | 04-1590850 | Delaware |
| Barings Real Estate Affiliates & Funds: | | |
| 50 Liberty LLC* | 36-4823011 | Delaware |
| Barings California Mortgage Fund IV | None | California |
| Barings Umbrella Fund LUX SCSp SICAV RAIF* | None | Luxembourg |
| Calgary Railway Holding LLC* | 82-2285211 | Delaware |
| Combrook PRS Holdings LLC | 82-3307907 | Delaware |
| Cornerstone California Mortgage Fund I LLC | 95-4207717 | California |
| Comerstone California Mortgage Fund II LLC | 95-4207717 | California |
| Comerstone California Mortgage Fund III LLC | 95-4207717 | California |
| Comerstone Fort Pierce Development LLC* | 56-2630592 | Delaware |
| Cornerstone Permanent Mortgage Fund | 45-2632610 | Massachusetts |
| Cornerstone Permanent Mortgage Fund II | 61-1750537 | Massachusetts |

| | <u>Federal Tax ID</u> | NAIC Co Code | State of Domicile |
|------------------------------------------------------|-----------------------|--------------|-------------------|
| Cornerstone Permanent Mortgage Fund III | 35-2531693 | | Massachusetts |
| Cornerstone Permanent Mortgage Fund IV | 61-1793735 | | Massachusetts |
| CREA/PPC Venture LLC | 20-0348173 | | Delaware |
| Danville Riverwalk Venture, LLC | 82-2783393 | | Delaware |
| Euro Real Estate Holdings LLC | 04-1590850 | | Delaware |
| Fan Pier Development LLC* | 20-3347091 | | Delaware |
| GIA EU Holdings LLC | 04-1590850 | | Delaware |
| Landmark Manchester Holdings LLC | 81-5360103 | | Delaware |
| MM Brookhaven Member LLC | 04-1590850 | | Delaware |
| MM East South Crossing Member LLC | 04-1590850 | | Delaware |
| MM Horizon Savannah Member LLC* | 04-1590850 | | Delaware |
| MM National Self-Storage Program Member LLC | 04-1590850 | | Delaware |
| MM 1400 E 4th Street Member LLC | 04-1590850 | | Delaware |
| One Harbor Shore LLC* | 80-0948028 | | Delaware |
| PACO France Logistics LLC | 04-1590850 | | Delaware |
| Portland 400 Sixth Manager LLC | 82-3393166 | | Delaware |
| Salomon Brothers Commercial Mortgage Trust 2001-MM | None | | Delaware |
| Sawgrass Village Shopping Center LLC* | 27-2977720 | | Delaware |
| STOA Holding LLC | None | | Delaware |
| Three PW Office Holding LLC | 81-5273574 | | Delaware |
| Twenty Two Liberty LLC* | 35-2484550 | | Massachusetts |
| Unna, Dortmund Holding LLC | 82-3250684 | | Delaware |
| Washington Gateway Apartments Venture LLC* | 45-5401109 | | Delaware |
| MassMutual Premier Funds: | | | |
| MassMutual Premier Main Street Fund | 51-0529328 | | Massachusetts |
| MassMutual Premier Strategic Emerging Markets Fund | 26-3229251 | | Massachusetts |
| MassMutual Select Funds: | | | |
| MassMutual Select Fundamental Growth Fund | 04-3512593 | | Massachusetts |
| MassMutual Select Mid-Cap Value Fund | 42-1710935 | | Massachusetts |
| MassMutual Select Small Capital Value Equity Fund | 02-0769954 | | Massachusetts |
| MassMutual Select Small Company Value Fund | 04-3584140 | | Massachusetts |
| MassMutual Select T. Rowe Price Retirement 2005 Fund | 82-3347422 | | Massachusetts |
| MassMutual Select T. Rowe Price Retirement 2010 Fund | 82-3355639 | | Massachusetts |
| MassMutual Select T. Rowe Price Retirement 2015 Fund | 82-3382389 | | Massachusetts |
| MassMutual Select T. Rowe Price Retirement 2020 Fund | 82-3396442 | | Massachusetts |
| MassMutual Select T. Rowe Price Retirement 2025 Fund | 82-3417420 | | Massachusetts |
| MassMutual Select T. Rowe Price Retirement 2030 Fund | 82-3430358 | | Massachusetts |
| MassMutual Select T. Rowe Price Retirement 2035 Fund | 82-3439837 | | Massachusetts |
| MassMutual Select T. Rowe Price Retirement 2040 Fund | 82-3451779 | | Massachusetts |
| MassMutual Select T. Rowe Price Retirement 2045 Fund | 82-3472295 | | Massachusetts |

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| | <u>Federal Tax ID</u> | <u>NAIC CoCode</u> | <u>State of Domicile</u> |
|----------------------------------------------------------|-----------------------|--------------------|--------------------------|
| MassMutual Select T. Rowe Price Retirement 2050 Fund | 82-3481715 | | Massachusetts |
| MassMutual Select T. Rowe Price Retirement 2055 Fund | 82-3502011 | | Massachusetts |
| MassMutual Select T. Rowe Price Retirement 2060 Fund | 82-3525148 | | Massachusetts |
| MassMutual Select T. Rowe Price Retirement Balanced Fund | 82-3533944 | | Massachusetts |
| MML Series Investment Funds: | | | |
| MML Series International Equity Fund | 46-4257056 | | Massachusetts |
| MML Series Investment Funds II: | | | |
| MML Series II Asset Momentum Fund | 47-3517233 | | Massachusetts |
| MML Series II Dynamic Bond Fund | 47-3529636 | | Massachusetts |
| MML Series II Equity Rotation Fund | 47-3544629 | | Massachusetts |
| MML Series II Special Situations Fund | 47-3559064 | | Massachusetts |
| MassMutual RetireSMART Funds: | | | |
| MassMutual RetireSMART 2035 Fund | 27-1933380 | | Massachusetts |
| MassMutual RetireSMART 2045 Fund | 27-1932769 | | Massachusetts |
| MassMutual RetireSMART 2055 Fund | 46-3289207 | | Massachusetts |
| MassMutual RetireSMART 2060 Fund | 47-5326235 | | Massachusetts |
| MassMutual 20/80 Allocation Fund | 45-1618155 | | Massachusetts |
| MassMutual 80/20 Allocation Fund | 45-1618222 | | Massachusetts |
| MassMutual RetireSMART In Retirement Fund | 03-0532464 | | Massachusetts |
| MassMutual 40/60 Allocation Fund | 45-1618262 | | Massachusetts |
| MassMutual 60/40 Allocation Fund | 45-1618046 | | Massachusetts |

| 4 | <u> </u> | ^ | | | <u>^</u> | ~ | 8 | - | 40 | | 40 | 10 | | 4 - | 40 |
|--------|-------------------------------|---------|------------|---------|----------|--------------------|---------------------------------------------|----------|------------|-------------------------------------------|---------------------------------------|---------|-----------------------|----------|-------------|
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| | | | | | | | | | | | of Control | Control | | | |
| | | | | | | | | | | | (Ownership, | is | | ls an | |
| | | | | | | Name of Securities | | | Relation- | | Board. | Owner- | | SCA | |
| | | | | | | | | D | | | , | | | | |
| | | | | | | Exchange | | Domi- | ship | | Management, | ship | | Filing | |
| | | NAIC | | | | if Publicly Traded | Names of | ciliary | to | | Attorney-in-Fact, | Provide | | Re- | |
| Group | | Company | ID | Federal | | (U.S. or | Parent, Subsidiaries | Loca- | Reporting | Directly Controlled by | Influence, | Percen- | Ultimate Controlling | quired? | |
| Code | Group Name | Code | Number | RSSD | CIK | International) | Or Affiliates | tion | Entity | (Name of Entity/Person) | Other) | tage | Entity(ies)/Person(s) | (Yes/No |) * |
| 0000 | oreap riallie | 0000 | | | 0 | international) | Massachusetts Mutual Life Insurance Company | | 2 | Massachusetts Mutual Life Insurance | 010.) | | | (100/110 | / |
| 0435 | Massachusetts Mut Life Ins Co | | 04-1590850 | 3848388 | | | (MLIC) | MA | UIP | | Ownership | | MMLIC | | |
| | Massachusetts Mut Life ins co | 00930 | 04-1590850 | 3848388 | | | (MMLIC) | MA | | Company | Ownership | | | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0435 | Massachusetts Mut Life Ins Co | 93432 | 06-1041383 | | | | C.M. Life Insurance Company | CT | IA | Company | Ownership | | MMLIC | | |
| 0435 | Massachusetts Mut Life Ins Co | 70416 | 43-0581430 | | | | MML Bay State Life Insurance Company | CT | IA | C.M. Life Insurance Company | Ownership | | | | |
| | | | 06-1041383 | | | | CML Mezzanine Investor III, LLC | DE | NIA | C.M. Life Insurance Company | Ownership | | | | |
| | | | | | | | CML Special Situations Investor LLC | DE | NIA | C.M. Life Insurance Company | Ownership. | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | | | | | CML Global Capabilities LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | | 1 | | Massachusetts Mutual Life Insurance | · · · · · · · · · · · · · · · · · · · | | | | T |
| 0000 | | | | | | | MM Global Capabilities LLC | DE | NIA | Company | Ownership | 100.000 | MMLIC | 1 | |
| | | | | | | | MassMutual Global Business Services India | | NIA | oomparty | | | | | · |
| 0000 | | | | | | | | 117 | | | a 11 | 400.000 | 100 | 1 | |
| | | | | | | | | IND | NIA | MM Global Capabilities LLC | Ownership | | | | ····· |
| 0000 | | | | | | | MM Global Capabilities (Netherlands) B.V | NLD | NIA | MM Global Capabilities LLC | Ownership | | MMLIC | | |
| | | | | | | | MassMutual Global Business Services Romania | 1 | | | | | 1 | | 1 |
| | | | | | | | S.R.L. | ROU | NIA | MM Global Capabilities (Netherlands) B.V. | Ownership | | | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| . 0000 | | | | | | | MM Global Capabilities II LLC | DE | NIA | Company | Ownership. | 100.000 | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| . 0000 | | | | | | | MM Global Capabilities III LLC | DE | NIA | Company | Ownership | 100.000 | MMLIC | | |
| | | | | | | | | UL | | Massachusetts Mutual Life Insurance | owner strip | | | | |
| 0000 | | | | | | | | 05 | | | a | 400,000 | 188.10 | | |
| 0000 | | | | | | | MM/Barings Multifamily TEBS 2020 LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | | | | | MML Special Situations Investor LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 47-5322979 | | | | Timberland Forest Holding LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| 0000 | | | 47-5322979 | | | | Timberland Forest Holding LLC | DE | NIA | C.M. Life Insurance Company | Influence | | MMLIC | | |
| 0000 | | | 47-5322979 | | | | Timberland Forest Holding LLC | DE | NIA | Wood Creek Capital Management LLC | Management | | MMLIC | | |
| | | | | | | | Lyme Adirondack Forest Company, LLC | DE | NIA | Timberland Forest Holding LLC | Ownership. | 100.000 | WILIC | | |
| 0000 | | | | | | | Lyme Adirondack Timberlands I, LLC | DE | NIA | Lyme Adirondack Forest Company, LLC | Owner ship | 100.000 | MMLIC | | |
| 0000 | | | | | | | Lyme Adirondack Timberlands II, LLC | DE | NIA. | Lyme Adirondack Forest Company, LLC | Ownership. | 100.000 | MMLIC | | |
| 0000 | | | | | | | | DE | | | | 100.000 | MMLIC | | |
| | | | | | | | Lyme Adirondack Timber Sales, LLC | VE | NIA | Lyme Adirondack Forest Company, LLC | Ownership | | | | + |
| 0000 | | | 04 4500050 | | | | | 05 | | Massachusetts Mutual Life Insurance | a 11 | 400.000 | 100 | 1 | |
| 0000 | | | 04-1590850 | | | | Berkshire Way LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | 1 | 1 | |
| | | | 04-1590850 | | | | MSP-SC, LLC | DE | NIA | Company | Ownership | | MMLIC | [| |
| | | | | | | | | 1 | | Massachusetts Mutual Life Insurance | | | 1 | | 1 |
| | | | | | | | EM Opportunities LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | | | | | MassMutual MCAM Insurance Company, Inc | VT | NIA | Company | Ownership | | MMLIC | 1 | |
| | | | | | | | macomatuat monim tributance company, tric | | | Massachusetts Mutual Life Insurance | owner on p. | | | | 1 |
| 0000 | | | 04-1590850 | | | | Insurance Boad LLC | DE | NI A | | Ownership | 100 000 | MMLIC | 1 | |
| | | | | | | | | | NIA | Company | Ownership | | | | ····· |
| 0000 | | | 04-1590850 | | | | MassMutual Trad Private Equity LLC | DE | NIA | Insurance Road LLC | Ownership | | MMLIC | [| |
| | | | 04-1590850 | | | | MassMutual Intellectual Property LLC | DE DE | NIA | Insurance Road LLC | Ownership | | | [| |
| | | | | | | | Trad Investments LLC | DE | NIA | Insurance Road LLC | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | 1 | 1 | |
| 0000 | | | | | | | ITPSHolding LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | HITPS LLC | DE | NIA | ITPS Holding LLC | Ownership | | WILIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | 1 |
| | | | | | | | JFIN Parent LLC | DE | NIA | Company | Ownership | | MMLIC | 1 | |
| | | | 27-0105644 | | | | Jefferies Finance LLC | | NIA NIA | JFIN Parent LLC | | | MWLIC | | · · · · · · |
| | | | 21-0100044 | | | | Jerrer les Finance LLG | VE | INTA | | Ownership | | | | ······ ···· |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | L | | | 1 | 1 |
| 0000 | | | 86-2294635 | | | | Glidepath Holdings Inc | DE | UIP | Company | Ownership | | MMLIC | | |
| 0000 | | 63312 | 13-1935920 | | | | Great American Life Insurance Company | 0H | UDP | Glidepath Holdings Inc. | Ownership | | | | |

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| | | | | | | | | | | | (Ownership, | is | | Is an | |
| | | | | | | Name of Securities | | | Relation- | | Board, | Owner- | | SCA | |
| | | | | | | Exchange | | Domi- | ship | | Management, | ship | | Filing | |
| | | NAIC | | | | if Publicly Traded | Names of | ciliary | to | | Attorney-in-Fact, | Provide | | Re- | |
| Group | | Company | ID | Federal | | (U.S. or | Parent, Subsidiaries | Loca- | Reporting | Directly Controlled by | Influence. | Percen- | Ultimate Controlling | auired? | 2 |
| Code | Group Name | Code | Number | RSSD | CIK | International) | Or Affiliates | tion | Entity | (Name of Entity/Person) | Other) | tage | Entity(ies)/Person(s) | (Yes/No | |
| 0000 | | 0000 | 31-1422717 | ROOD | 0.11 | internationaly | AAG Insurance Agency, LLC | KY | NIA | Great American Life Insurance Company | Ownership | | | (100/110 | |
| | | | 31-1021738 | | | | Annuity Investors Life Insurance Company | 0H | | Great American Life Insurance Company | Owner ship. | | | | |
| 0000 | | | 31-1395344 | | | | Great American Advisors, LLC | 0H | | Great American Life Insurance Company | Ownership | | | | |
| 0000 | | | 26-3260520 | | | | Manhattan National Holding, LLC | | NIA | Great American Life Insurance Company | Owner ship | | | | |
| 0000 | | | 45-0252531 | | | | Manhattan National Life Insurance Company | | IA | Manhattan National Holding LLC | Ownership | | | | |
| | | 0/000 | 40-0202001 | | | | | | | Massachusetts Mutual Life Insurance | owner sinp | 100.000 WWWLT | | | |
| 0000 | | | | | | | MassMutual Mortgage Lending LLC | DE | NIA | Company | Ownership | | n | | |
| 0000 | | | | | | | Jefferies Private Credit BDC Inc. | | NIA | Jefferies Finance LLC | Owner ship | | | | |
| 0000 | | | | | | | JFIN GP Adviser LLC | | NIA | Jefferies Finance LLC | Ownership | 100.000 MML1 | | | |
| | | •••••• | | | | | JFIN GF AGVISET LLC | DE | | Jefferies Finance LLC | Owner ship | | | | |
| 0000 | | | | | | | Jefferies Credit Partners LLC | | NIA NIA | Jefferies Finance LLC | Ownership Ownership | 100.000 MML1 | | | |
| | | | | | | | Apex Credit Partners LLC | | | Jefferies Credit Partners LLC | Ownership | | | | |
| | | | | | | | | | | | | | | | |
| 0000 | | | | | | | Jefferies Credit Management LLC | DE DE | NIA | Jefferies Credit Partners LLC | Ownership | | | | |
| | | | | | | | JCP Direct Lending CLO 2022 LLC | | NIA | Jefferies Credit Partners LLC | Ownership | | | | |
| | | | | | | | JFAM GP LLC | DE | NIA | Jefferies Credit Partners LLC | Ownership | | | | |
| 0000 | | | | | | | JFAM GP LP | DE | NIA | Jefferies Credit Partners LLC | Ownership | | | | |
| | | | | | | | Jefferies Direct Lending Fund C LP | DE | NIA | JFAM GP LP | Ownership | | | | |
| 0000 | | | | | | | Jefferies DLF C Holdings LLC | DE | NIA | Jefferies Direct Lending Fund C LLC | Ownership | | | | |
| 0000 | | | | | | | Jefferies Direct Lending Fund C SPE LLC | DE | NIA | Jefferies DLF C Holdings LLC | Ownership | | | | |
| 0000 | | | | | | | JDLF II GP LLC | DE | NIA | Jefferies Credit Partners LLC | Ownership | | | | |
| 0000 | | | | | | | JDLF II GP LP | DE | NIA | JDLF II GP LLC | Ownership | 100.000 MML1 | | | |
| 0000 | | | | | | | Jefferies Direct Lending Fund II C LP | DE | NIA | JDLF II GP LP | Ownership | 100.000 MML1 | | | |
| | | | | | | | Jefferies DLF II C Holdings LLC | DE | NIA | Jefferies Direct Lending Fund II C LP | Ownership | 100.000 MML1 | | | |
| 0000 | | | | | | | Jefferies Direct Lending Fund II C SPE LLC | DE | NIA | Jefferies DLF II C Holdings LLC | Ownership | 100.000 MML1 | | | |
| 0000 | | | | | | | Jefferies Senior Lending LLC | DE | NIA | Jefferies Finance LLC | Ownership | 100.000 MML1 | | | |
| 0000 | | | | | | | Jefferies Senior Lending LLC | DE | NIA | Jefferies Finance LLC | Ownership | 100.000 MML1 | | | |
| 0000 | | | | | | | JFIN Revolver Holdings LLC | DE | NIA | Jefferies Finance LLC | Ownership | 100.000 MML1 | | | |
| 0000 | | | | | | | JFIN Revolver Holdings II LLC | DE | NIA | Jefferies Finance LLC | Ownership | 100.000 MML1 | | | |
| 0000 | | | | | | | JFIN Revolver Holdings IV LLC | DE | NIA | Jefferies Finance LLC | Ownership | 100.000 MML1 | | | |
| 0000 | | | | | | | JFIN Co-Issuer Corporation | DE | NIA | Jefferies Finance LLC | Ownership | | | | |
| 0000 | | | | | | | JFIN Europe GP, S.a.r.I. | LUX | NIA | Jefferies Finance LLC | Ownership | 100.000 MML I | | | |
| 0000 | | | | | | | Jefferies Finance Europe, S.L.P. | LUX | NIA | JFIN Europe GP, S.a.r.I. | Ownership | | | | |
| 0000 | | | | | | | Jefferies Finance Europe, SCSp | LUX | NIA | JFIN Europe GP, S.a.r.I. | Ownership | 100.000 MML1 | | | |
| 0000 | | | | | | | Jefferies Finance Business Credit LLC | DE | NIA | Jefferies Finance LLC | Ownership | | | | |
| 0000 | | | | | | | JFIN Business Credit Fund I LLC | DE | NIA | Jefferies Finance Business Credit LLC | Ownership | | <u></u> | | |
| 0000 | | | | | | | JFIN Funding 2021 LLC | DE | NIA | Jefferies Finance LLC | Ownership | | | | |
| | | | | 1 | | | JFIN High Yield Investments LLC | DE | NIA | Jefferies Finance LLC | Ownership. | | | | |
| | | | | | | | JFIN LC Fund LLC | DE | NIA | Jefferies Finance LLC | Ownership | | | | |
| | | | | | | | JFIN Revolver CLO 2017 Ltd. | CYM | NIA | Jefferies Finance LLC | Ownership. | 100.000MML1 | | | |
| | | | | | | | JFIN Revolver CLO 2017-II Ltd. | CYM | NIA | Jefferies Finance LLC | Ownership | | 5 | | |
| | | | | | | | JFIN Revolver CLO 2017-III Ltd. | CYM | NIA | Jefferies Finance LLC | Ownership. | 100.000MML1 | | | |
| | | | | | | | JFIN Revolver CLO 2018 Ltd. | CYM | NIA | Jefferies Finance LLC | Ownership. | | | | |
| 0000 | | | | | | | JFIN Revolver CLO 2019 Ltd. | CYM | NIA | Jefferies Finance LLC | Ownership. | 100.000 MML1 | | | T |
| | | | | | | | JFIN Revolver CLO 2019-11 Ltd. | CYM | NIA | Jefferies Finance LLC | Ownership. | | | | |
| 0000 | | | | | | | JFIN Revolver CLO 2020 Ltd. | CYM | NIA | Jefferies Finance LLC | Ownership. | 100.000 MML1 | | | T |
| 0000 | | | | | | | JFIN Revolver CLO 2021-II Ltd. | CYM | NIA | Jefferies Finance LLC | Ownership. | 100.000 MML1 | | | |
| | | | | | | | JFIN Revolver CLO 2021-V Ltd. | CYM | NIA | Jefferies Finance LLC | Ownership. | 100.000 MML1 | | | T |
| 0000 | | | | | | | JFIN Revolver CLO 2022-11 Ltd. | CYM | NIA | Jefferies Finance LLC | Ownership. | | | | |
| | | | | | | | JFIN Revolver CLO 2022-11 Ltd. | CYM | NIA | Jefferies Finance LLC | Ownership | | | | |
| 0000 | | | | | | | JFIN Revolver Fund, L.P. | | NIA | Jefferies Finance LLC | Owner ship. | | | | |
| 0000 | | | | | | | JFIN Revolver Funding 2021 Ltd. | | NIA | Jefferies Finance LLC | Ownership | 100.000MML1 | | | |
| 0000 | | | | | | | JFIN Revolver Funding 2021 Ltd | | | Jefferies Finance LLC | Owner ship | | | | |
| | | | | | | | JFIN Revolver Funding 2021 IV Ltd. | DE | NIA | Jefferies Finance LLC | Ownership | 100.000 MML1 | | | |
| | | | | | | | JFIN Revolver Funding 2021 IV Ltd | BMU | NIA NIA | Jefferies Finance LLC | Ownership | 100.000 MML1 | | | |
| | | | | | | | JEIN REVOLVER FUNCING 2022-1 Ltd. | | INTA | Jerreries Finance LLC | jownersnip | IUU.UUU MMLI | J | | <u></u> |

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| | | | | | | | | | | | of Control | Control | | | 1 |
| | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | (Ownership, | is | | ls an | 1 |
| | | | | | | Name of Securities | | | Relation- | | Board, | Owner- | | SCA | 1 |
| | | | | | | Exchange | | Domi- | ship | | Management, | ship | | Filing | 1 |
| | | | | | | | | - | | | | | | | 1 |
| | | NAIC | | | | if Publicly Traded | Names of | ciliary | to | | Attorney-in-Fact, | Provide | | Re- | 1 |
| Group | | Company | ID | Federal | | (U.S. or | Parent, Subsidiaries | Loca- | Reporting | Directly Controlled by | Influence, | Percen- | Ultimate Controlling | quired? | 1 |
| Code | Group Name | Code | Number | RSSD | CIK | International) | Or Affiliates | tion | Éntity | (Name of Entity/Person) | Other) | tage | Entity(ies)/Person(s) | (Ýes/No) | * |
| 0000 | | 0000 | Humbol | TROOD | 0111 | internationaly | JFIN Revolver SPE1 2022 LLC | DE | | Jefferies Finance LLC | Ownership | 100.000 | MLIC | (100/110) | 1 |
| | | | | | | | | | | | | | | | |
| | | | | | | | Apex Credit Holdings LLC | DE | NIA | JFIN Parent LLC | Ownership | 100.000 | MMLIC | | |
| | | | | | | | JFIN CLO 2012 Ltd. | CYM | | Apex Credit Partners LLC | Ownership | | MMLIC | | |
| | | | | | | | JFIN CLO 2013 Ltd. | CYM | NIA | Apex Credit Partners LLC | Ownership | | MMLIC | | 1 |
| 0000 | | | | | | | JFIN CLO 2014 Ltd. | CYM | NIA | Apex Credit Partners LLC | Ownership | 100,000 | MMLIC | | 1 |
| | | | | | | | JFIN CLO 2014-II Ltd. | CYM | | Apex Credit Partners LLC | Ownership. | 100.000 | MIC | | [|
| | | | | | | | JFIN CLO 2015 Ltd. | CYM | | Apex Credit Partners LLC | Ownership | 100.000 | MMLIC | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | JFIN CLO 2015-II Ltd. | CYM | | Apex Credit Partners LLC | Ownership | | MMLIC | | |
| | | | | | | | JFIN CLO 2016 Ltd. | CYM | NIA | Apex Credit Partners LLC | Ownership | | MMLIC | | |
| | | | | | | | JFIN CLO 2017 Ltd. | CYM | NIA | Apex Credit Partners LLC | Ownership | | MMLIC | | 1 |
| 0000 | | | | | | | JFIN CLO 2017-II Ltd. | CYM | NIA | Apex Credit Partners LLC | Ownership | 100.000 | MMLIC | | 1 |
| | | | | 1 | | | | | | Massachusetts Mutual Life Insurance | | | | | [] |
| 0000 | | | 04-1590850 | | | | MM Copper Hill Road LLC | DE | NIA | | 0 | | MMLIC | | 1 |
| | | | 04-1590850 | | | | www.copper HIII Road LLC | DE | NIA | Company | Ownership | 100.000 | MML10 | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | 1 |
| | | | | | | | MM Direct Private Investments Holding LLC | DE | NIA | Company | Ownership | 100.000 | MMLIC | | |
| | | | | | | | MM Direct Private Investments UK Limited | GBR | NIA | MM Direct Private Investments Holding LLC . | Ownership. | 100.000 | MMLIC | | 1 |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| .0000 | | | | | | | MM Investment Holding | CYM | NIA | Company | Ownership. | 100.000 | MMLIC | | 1 |
| | | ••••• | 00 0070044 | | | | | | | | | | | | |
| | | | 26-0073611 | | | | MassMutual Asset Finance LLC | DE | | MM Investment Holding | Ownership | | MMLIC | | |
| | | | 26-0073611 | | | | MassMutual Asset Finance LLC | DE | NIA | C.M. Life Insurance Company | Ownership | 0.400 | MMLIC | | |
| | | | 90-1005837 | | | | MMAF Equipment Finance LLC 2013-A | DE | NIA | MassMutual Asset Finance LLC | Ownership | | MMLIC | | |
| 0000 | | | 36-4785301 | | | | MMAF Equipment Finance LLC 2014-A | DE | NIA | MassMutual Asset Finance LLC | Ownership | 100.000 | MMLIC | | 1 |
| | | | 38-3969560 | | | | MMAF Equipment Finance LLC 2015-A | DE | | MassMutual Asset Finance LLC | Ownership | 100.000 | MALIC | | [|
| | | | 32-0489588 | | | | MMAF Equipment Finance LLC 2016-A | DE | | MassMutual Asset Finance LLC | Ownership | 100.000 | MMLIC | | |
| | | ••••• | | | | | | | | | | | | | |
| | | | 35-2590691 | | | | MMAF Equipment Finance LLC 2017-A | DE | | MassMutual Asset Finance LLC | Ownership | 100.000 | MMLIC | | |
| | | | 32-0546197 | | | | MMAF Equipment Finance LLC 2017-B | DE | | MassMutual Asset Finance LLC | Ownership | | MMLIC | | |
| | | | 82-5335801 | | | | MMAF Equipment Finance LLC 2018-A | DE | NIA | MassMutual Asset Finance LLC | Ownership | | MMLIC | | |
| 0000 | | | 83-3722640 | | | | MMAF Equipment Finance LLC 2019-A | DE | NIA | MassMutual Asset Finance LLC | Ownership | 100.000 | MMLIC | | 1 |
| | | | | | | | MMAF Equipment Finance LLC 2019-B | DE | NIA | MassMutual Asset Finance LLC | Ownership. | 100.000 | MMLIC | | |
| 0000 | | | | | | | MMAF Equipment Finance LLC 2021-A | | | MassMutual Asset Finance LLC | Ownership | 100.000 | MALIC | | |
| 0000 | | | | | | | | DE | | MassMutual Asset Finance LLC | Ownership | 100.000 | MILIC | | |
| | | | | | | | Rozier LLC | | | | | | | | |
| | | | 04-2443240 | | | | MML Management Corporation | MA | | MM Investment Holding | Ownership | | MMLIC | | |
| | | | 04-3548444 | | | | MassMutual International Holding MSC, Inc | MA | | MML Management Corporation | Ownership | | MMLIC | | ····· |
| | | | 04-3341767 | | | | MassMutual Holding MSC, Inc. | MA | NIA | MML Management Corporation | Ownership | | MMLIC | | [] |
| 1 I Î | | | | 1 | 1 | | | 1 | 1 | Massachusetts Mutual Life Insurance | 1 | 1 | 1 | | 1 1 |
| | | | | 1 | | | MML CM LLC | DE | NIA | Company | Ownership | 100,000 | MMLIC | | (I |
| | | | | | | | Blueprint Income LLC | NY | | ML CM LLC | Ownership. | 100.000 | | | ····· |
| | | | | | | | | | | | | | | | |
| | | | | | | | Flourish Digital Assets LLC | DE | | MML CM LLC | Ownership | | MMLIC | | |
| | | | | | | | Flourish Financial LLC | DE | NIA | MML CM LLC | Ownership | 100.000 | MMLIC | | |
| | | | | | | | Flourish Holding Company LLC | DE | NIA | MML CM LLC | Ownership | | MMLIC | | [] |
| .0000 | | | | 1 | | | Flourish Insurance Agency LLC | DE | NIA | MML CM LLC | Owner ship | 100.000 | WILIC | | 1 |
| 0000 | | | | | | | Flourish Technologies LLC | DE | | MML CM LLC | Ownership | 100.000 | MMLIC | | () |
| | | | | | | | I TOUT TOT TOUTINUTOUTES LEV | | | Massachusetts Mutual Life Insurance | owner en p | | | | |
| 0000 | | | 04 0050000 | 1 | | | | | | | | 00.000 | 100 | | 1 1 |
| | | | 04-3356880 | | | | MML Distributors LLC | MA | NIA | Company | Ownership | | MMLIC | | |
| 0000 | | | 04-3356880 | | | | MML Distributors LLC | MA | NIA | MassMutual Holding LLC | Ownership | 1.000 | MMLIC | | |
| | | | | 1 | | | | 1 | | Massachusetts Mutual Life Insurance | | | 1 | | 1 1 |
| 0000 | | | | 1 | | | MML Investment Advisers, LLC | DE | NIA | Company | Ownership | | MMLIC | | 1 1 |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| .0000 | | | 46-3238013 | 1 | | | MML Strategic Distributors, LLC | DE | NIA | Company | Ownership. | | MMLIC | | 1 1 |
| | | | 40-0200013 | | | | mmL strategic Distributors, LLC | VE | NIA | | owner sinp | | WWLIG | | |
| 1 1 | | | | 1 | 1 | | | L | | Massachusetts Mutual Life Insurance | | 1 | | | (I |
| | | | 06-1563535 | . 2881445 | | | The MassMutual Trust Company, FSB | CT | NIA | Company | Ownership | | MMLIC | | |
| | | | | 1 | 1 | | MML Private Placement Investment Company I, | 1 | | Massachusetts Mutual Life Insurance | 1 | | 1 | | (I |
| | | | 04-1590850 | 1 | | | LLC | DE | NIA | Company | Ownership | 100,000 | MMLIC | | 1 1 |
| | | | | | | | | | ····· | 1 | | | | | |

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| | | | | | | | | | | | of Control | Control | | | |
| | | | | | | | | | | | (Ownership, | is | | ls an | |
| | | | | | Name of | Securities | | | Relation- | | Board. | Owner- | | SCA | |
| | | | | | | nange | | Domi- | ship | | Management, | ship | | Filing | |
| | | NAIC | | | | ly Traded | Names of | ciliary | to | | Attorney-in-Fact, | Provide | | Re- | |
| Group | | Company | ID | Federal | | S. or | Parent, Subsidiaries | Loca- | Reporting | Directly Controlled by | Influence. | Percen- | Ultimate Controlling | quired? | |
| Code | Group Name | Code | Number | RSSD | | ational) | Or Affiliates | tion | Entity | (Name of Entity/Person) | Other) | tage | Entity(ies)/Person(s) | (Yes/No | * |
| Code | Gloup Name | Code | Number | ROOD | CIK | alional) | Of Anniates | uon | Linuty | Massachusetts Mutual Life Insurance | Other) | laye | | (165/100 | / |
| | | | 04-1590850 | | | | MML Private Equity Fund Investor LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| 0000 | | | 04-1590850 | | | | MML Private Equity Fund Investor LLC | DE | NIA | Baring Asset Management Limited | Management. | | MMLIC | | |
| | | | 01 1000000 | | | | | | | Massachusetts Mutual Life Insurance | management | | | | |
| 0000 | | | 04-1590850 | | | | MM Private Equity Intercontinental LLC | DE | NIA | Company | Ownership | 100,000 | MMLIC | | |
| | | | | | | | ······································ | | | Massachusetts Mutual Life Insurance | | 1 | | | |
| 0000 | | | 45-2738137 | | | | Pioneers Gate LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 45-2738137 | | | | Pioneers Gate LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 04-2854319 | . 2392316 | | | MassMutual Holding LLC | DE | NIA | Company | Ownership | | | | |
| 0000 | | | 06-1597528 | | | | MassMutual Assignment Company | NC | NIA | MassMutual Holding LLC | Ownership | | MMLIC | | |
| | | | 37-1732913 | | | | Fern Street LLC | DE | NIA | MassMutual Holding LLC | Ownership | 100.000 | | | |
| 0000 | | | | | | | Low Carbon Energy Holding | GBR | NIA | MassMutual Holding LLC | Ownership | | | . [| |
| 0000 | | | | | | | Sleeper Street LLC | DE | NIA | MassMutual Holding LLC | Ownership | 100.000 | | | |
| 0000 | | | 46-2252944 | | | | Haven Life Insurance Agency, LLC | DE | NIA | MassMutual Holding LLC | Ownership | | | | |
| 0000 0000 | | | 04-1590850 | | | | MassMutual Capital Partners LLC MassMutual Ventures Holding LLC | DE DE | NIA NIA | MassMutual Holding LLC MassMutual Holding LLC | Ownership Ownership | 100.000 100.000 | | | |
| 0000 | | | | | | | Athens Fund Management LLC | DE DE | NIA NIA | MassMutual Ventures Holding LLC | Ownership | | MMLIC | | |
| | | | | | | | Crane Venture Partners LLP | UE GBR | NIA NIA | MassMutual Ventures Holding LLC MassMutual Ventures Holding LLC | Ownership | | MMLIC | | |
| | | ••••• | | | | | MassMutual Ventures Management LLC | DE | NIA | MassMutual Ventures Holding LLC | Ownership | | MWLIC | | |
| | | | | | | | MassMutual Ventures SEA Management Private | | | Massmutual ventures norunny LLC | ownership | | | | |
| 0000 | | | | | | | Limited | DE | NIA | MassMutual Ventures Management LLC | Ownership | | | | |
| | | | | | | | MassMutual Ventures Southeast Asia LLC | DE | NIA | MassMutual Ventures Holding LLC | Ownership. | 100.000 | MMLIC | | |
| 0000 | | | | | | | MassMutual Ventures Southeast Asia LLC | DE | NIA | MassMutual Ventures Holding LLC | Ownership. | 100.000 | MVLIC | | |
| 0000 | | | | | | | MassMutual Ventures Southeast Asia III LLC | DE | NIA | MassMutual Ventures Holding LLC | Ownership. | 100.000 | MMLIC | | |
| | | | | | | | | | | MassMutual Ventures Southeast Asia III LLC | · | | | | |
| 0000 | | | | | | | MMV Digital I LLC | CYM | NIA | | Ownership | | MMLIC | | |
| | | | | | | | MassMutual Ventures UK LLC | DE | NIA | MassMutual Ventures Holding LLC | Ownership | | MMLIC | | |
| 0000 | | | 47-1296410 | | | | MassMutual Ventures US LLC | DE | NIA | MassMutual Ventures Holding LLC | Ownership | | MMLIC | | |
| 0000 | | | | | | | MassMutual Ventures US II LLC | DE | NIA | MassMutual Ventures Holding LLC | Ownership | | MMLIC | | |
| 0000 | | | | | | | MassMutual Ventures US III LLC | DE | NIA | MassMutual Ventures Holding LLC | Ownership | | | | |
| 0000 | | | | | | | MassMutual Ventures US IV LLC | DE | NIA | MassMutual Ventures Holding LLC | Ownership | | | | |
| 0000 | | | 04-1590850 | | | | Open Alternatives LLC | DE | NIA | MassMutual Ventures Holding LLC | Ownership | | | | |
| 0000 | | | 04-1590850 | | | | MM Rothesay Holdco US LLC Rothesay Limited | DE GBR | NIA NIA | MassMutual Holding LLC MM Rothesay Holdco US LLC | Ownership Ownership | | MMLIC | • • • • • • • • • • • • • • • • • • • | |
| | | | | | | | Rothesay Limited Rothesay Life Pic | GBR | NIA | Rothesay Limited | Ownersnip Ownership | | MWLIC | • [| · ····· |
| | | | | | | | Rothesay MA No.1 Limited | GBR | NIA | Rothesay Life PLC | Ownership | | MWLIC | • | |
| 0000 | | | | | | | Rothesav MA No.2 Limited | GBR | NIA | Rothesay Life PLC | Ownership | 100.000 | MIC C | • | 1 |
| | | | | | | | Rothesay MA No.3 Limited | GBR | NIA | Rothesay Life PLC | Ownership | 100.000 | MMLIC | • [••••• | |
| | | | | | | | Rothesay MA No.4 Limited | GBR | NIA | Rothesay Life PLC | Ownership. | 100.000 | MMLIC | | 1 |
| | | | | | | | LT Mortgage Finance Limited | GBR | NIA | Rothesay Life PLC | Ownership | | MMLIC | | |
| 0000 | | | | | | | Rothesay Property Partnership 1 LLP | GBR | NIA. | Rothesay Life PLC | Ownership | | MMLIC | | |
| 0000 | | | | | | | Rothesay Foundation | GBR | NIA | Rothesay Limited | Ownership | | MMLIC | | |
| 0000 | | | | | | | Rothesay Pensions Management Limited | GBR | NIA | Rothesay Limited | Ownership | | MMLIC | | |
| | | | | | | | Rothesay Asset Management UK Limited | GBR | NIA | Rothesay Limited | Ownership | | MMLIC | | |
| 0000 | | | | | | | Rothesay Asset Management Australia Pty Ltd . | AUS | NIA | Rothesay Asset Management UK Limited | Ownership | | MMLIC | | |
| 0000 | | | | | | | Rothesay Asset Management US LLC | DE | NIA | Rothesay Asset Management UK Limited | Ownership | 100.000 | | . [| |
| | | | | | | | MM Catalyst Fund LLC | DE | NIA | MassMutual Holding LLC | Ownership | | | . [| |
| | | | 47-1466022 | | | | LifeScore Labs, LLC | MA | NIA | MassMutual Holding LLC | Ownership | 100.000 | | | |
| 0000 | | | 45-4000072 | | | | MM Asset Management Holding LLC | MA | NIA | MassMutual Holding LLC | Ownership | | | . [| |
| | | | 45-4000072 | | | | Barings LLC | MA | NIA | MassMutual Holding LLC | Ownership | 100.000 | | · [| |
| 0000 | | | 04-1590850 | | | | MML Investors Services, LLC | MA | NIA | MassMutual Holding LLC | Ownership | | | · | |
| 0000 | | | 04-1590850 | | | | MML Insurance Agency, LLC | MA | NIA | MML Investors Services, LLC | Ownership | | | | |

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|--------|------------|---------|-------------|---------|------|--------------------|-----------------------------------------------|---------|-----------|---------------------------------------------|-------------------|---------|-----------------------|-----------|----|
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| | | | | | | | | | | | of Control | Control | | | |
| | | | | | | | | | | | (Ownership, | is | | ls an | |
| | | | | | | Name of Securities | | | Relation- | | Board, | Owner- | | SCA | |
| | | | | | | | | Dami | | | | | | | |
| | | | | | | Exchange | | Domi- | ship | | Management, | ship | | Filing | |
| | | NAIC | | | | if Publicly Traded | Names of | ciliary | to | | Attorney-in-Fact, | Provide | | Re- | |
| Group | | Company | ID | Federal | | (U.S. or | Parent, Subsidiaries | Loca- | Reporting | Directly Controlled by | Influence, | Percen- | Ultimate Controlling | quired? | 1 |
| Code | Group Name | Code | Number | RSSD | CIK | International) | Or Affiliates | tion | Entity | (Name of Entity/Person) | Other) | tage | Entity(ies)/Person(s) | (Yes/No) | |
| 0000 | | 0000 | 41-2011634 | ROOD | 0111 | internationaly | MMLISI Financial Alliances, LLC | DE | NIA | ML Investors Services, LLC | / | | MLIC | (100/110) | 4 |
| | | | | | | | | | | | Ownership | | | | |
| 0000 | | | 51-0504477 | | | | Barings LLC | DE | NIA | MassMutual Asset Management Holding LLC | Ownership | | MMLIC | | |
| | | | | | | | Baring Asset Management (Asia) Holdings | | | | | | | | |
| 0000 | | | 98-0524271 | | | | Limited | HKG | NIA | Barings LLC | Ownership | | MMLIC | | |
| | | | | | | | Baring International Fund Managers (Bermuda) | | | Baring Asset Management (Asia) Holdings | | | | | |
| 0000 | | | 98-0457465 | | | | Limited | BMU | NIA | Limited | Ownership | | MMLIC | | |
| | | | | | | | | | | Baring Asset Management (Asia) Holdings | | | | | |
| | | | 98-0457463 | | | | Baring Asset Management (Asia) Limited | HKG | NIA | Limited | Ownership | | MMLIC | | |
| 0000 | | | 30 0407400 | | | | Baring Asset Management Korea Limited | KOR | NIA | Baring Asset Management (Asia) Limited | Ownership | | MMLIC | | |
| | 1 | | | | | | | n | NIA | Dar my hose i manayement (Asia) Limited | omici allip | | mmL1V | | |
| 0000 | | | | | | | Barings Investment Management (Shanghai) | 11/2 | ALC A | Design Accest Mensions & (A. 1. S. I.1. 11. | 0 | 100,000 | | | 1 |
| 0000 | | | | | | | Limited | HKG | NIA | Baring Asset Management (Asia) Limited | Ownership | | MMLIC | | |
| | | | | | | | Barings Overseas Investment Fund Management | | | Barings Investment Management (Shanghai) | | | | | 1 |
| 0000 | | | | | | | (Shanghai) Limited | HKG | NIA | Limited | Ownership | | MMLIC | | |
| | | | | | | | | | | Baring Asset Management (Asia) Holdings | - | | | | |
| | l | | 98-0457707 | | | | Baring SICE (Taiwan) Limited | TWN | NIA | Limited | Ownership | | MMLIC | | |
| | | | | | | | | | | Baring Asset Management (Asia) Holdings | | | | | |
| | | | | | | | Barings Singapore Pte. Ltd | SGP | NIA | Limited | Ownership | | MMLIC | | |
| | | | | | | | bai mgs singapore i te. Ltu. | | | Baring Asset Management (Asia) Holdings | owner simp | | | | |
| 0000 | | | 00.0000440 | | | | | IDAL | | | o 1: | 400,000 | 194 10 | | |
| 0000 | | | 98-0236449 | | | | Barings Japan Limited | JPN | NIA | Limited | Ownership | | MMLIC | | |
| 0000 | | | | | | | Barings Australia Holding Company Pty Ltd | AUS | NIA | Barings LLC | Ownership | | MMLIC | | |
| 0000 | | | 98-0457456 | | | | Barings Australia Pty Ltd | AUS | NIA | Baring Australia Holding Company Pty Ltd | Ownership | | MMLIC | | |
| 0000 | | | 80-0875475 | | | | Barings Finance LLC | DE | NIA | Barings LLC | Ownership | | MMLIC | | |
| 0000 | | | | | | | BCF Europe Funding Limited | IRL | NIA | Barings Finance LLC | Ownership | | MMLIC | | |
| | | | | | | | BCF Senior Funding LLC | DE | NIA | Barings Finance LLC | Ownership | | MMLIC | | |
| | | | | | | | BCF Senior Funding Designated Activity | | | | | | | | |
| 0000 | | | | | | | Company | IRL | NIA | Barings Finance LLC | Ownership | 100.000 | MMLIC | | |
| 0000 | | | | | | | Barings Real Estate Acquisitions LLC | DE | NIA | Barings LLC | Ownership. | | MMLIC | | |
| | | | 04-3238351 | | | | | | | | | | | | |
| 0000 | | | | | | | Barings Securities LLC | DE | NIA | Barings LLC | Ownership | | MMLIC | | |
| 0000 | | | 98-0437588 | | | | Barings Guernsey Limited | GGY | NIA | Barings LLC | Ownership | | MMLIC | | |
| 0000 | | | | | | | Barings Europe Limited | GBR | NIA | Barings Guernsey Limited | Ownership | | MMLIC | | |
| 0000 | | | | | | | Barings Asset Management Spain SL | ESP | NIA | Barings Europe Limited | Ownership | | MMLIC | | |
| 0000 | | | | | | | Barings GmbH | DEU | NIA | Barings Europe Limited | Ownership. | | MMLIC | | |
| 0000 | | | | | | | Barings Italy S.r.I. | ITA | NIA | Barings Europe Limited | Ownership | 100.000 | MILIC | | 1 |
| | | | | | | | Barings Sweden AB | SWE | NIA. | Barings Europe Limited | Ownership | 100.000 | MMLIC | | |
| 0000 | | | | | | | Barings Netherlands B.V. | NLD | NIA | Barings Europe Limited | Ownership. | | MMLIC | | |
| 0000 | | | | | | | Barings Real Estate UK Holdings Limited | DE | NIA | Barings Europe Limited | Ownership | | MMLIC | | |
| | | | 00 0400450 | | | | | | | | | | | | |
| 0000 | | | 98-0432153 | | | | Barings (U.K.) Limited | GBR | NIA | Barings Europe Limited | Ownership. | | MMLIC | | |
| 0000 | | | 98-0241935 | | | | Baring Asset Management Limited | GBR | NIA | Barings Europe Limited | Ownership | | MMLIC | | |
| 0000 | | | | | | | Barings European Direct Lending 1 GP LLP | GBR | NIA | Baring Asset Management Limited | Ownership | | MMLIC | | |
| 0000 | | | 98-1012393 | | | | Barings Global Advisors Limited | GBR | NIA | Baring Asset Management Limited | Ownership | | MMLIC | | |
| . 0000 | | | 98-0457328 | | | | Baring International Investment Limited | GBR | NIA | Baring Asset Management Limited | Ownership. | | MMLIC | | |
| | | | | | | | Baring International Investment Management | | | | | | | | 1 |
| 0000 | | | 98-0457587 | | | | Holdings | GBR | NIA | Baring Asset Management Limited | Ownership. | | MMLIC | | 1 |
| | | | 30-043/30/ | | | | 101011190 | | | | omici silip | | | | |
| 0000 | | | 00 0457570 | | | | Design Acces Management IV Halding 11, 11, 1 | 000 | NLA | Baring International Investment Management | 0 | 100,000 | | | 1 |
| 0000 | | | 98-0457576 | | | | Baring Asset Management UK Holdings Limited . | GBR | NIA | Holdings | Ownership | | MMLIC | | |
| | | | | | | | Baring International Fund Managers (Ireland) | | | Baring Asset Management UK Holdings Limited | | | | | 1 |
| 0000 | | | 98-0524272 | | | | Limited | IRL | NIA | | Ownership | | MMLIC | | |
| 1 | | | | | | | | | | Baring Asset Management UK Holdings Limited | 1 | | | | 1 |
| 0000 | | | | | | | Baring Asset Management Switzerland Sàrl | CHE | NIA | - · · · · · | Ownership | | MMLIC | | |
| | | | | | | | | | | Baring Asset Management UK Holdings Limited | | | | | 1 |
| 0000 | | | 98-0497550 | | | | Baring France SAS | FRA | NIA | | Ownership | 100.000 | MMLIC | | 1 |
| 0000 | | | 98-0457586 | | | | Baring Fund Managers Limited | GBR | NIA | Baring Asset Management Limited | Ownership | | MMLIC | | |
| 0000 | | | 30-"0437300 | | | | BCGSS 2 GP LLP | GBR | NIA | | Ownership | | MMLIC | | |
| | | | 98-0457578 | | | | | | | Baring Fund Managers Limited | | | MMLTC | | |
| 0000 | | | UX-045/5/8 | | | 1 | Baring Investment Services Limited | GBR | NIA | Baring Asset Management Limited | Ownership | 100 000 | EMMETC | 1 | 1 |

| 1 | 2 | • | | | | | | | | | | | | | |
|--------|------------|---------|------------|---------|-----|--------------------|-----------------------------------------------|----------|------------|---------------------------------------|---------------------|---------|-----------------------|---------|----------|
| | Z | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | | | | | | | | | | Туре | lf | | | |
| | | | | | | | | | | | of Control | Control | | | |
| | | | | | | | | | | | (Ownership, | is | | ls an | |
| | | | | | | Name of Securities | | | Relation- | | Board, | Owner- | | SCA | |
| | | | | | | | | Dami | | | | | | | |
| | | | | | | Exchange | | Domi- | ship | | Management, | ship | | Filing | |
| | | NAIC | | | | if Publicly Traded | Names of | ciliary | to | | Attorney-in-Fact, | Provide | | Re- | |
| Group | | Company | ID | Federal | | (U.S. or | Parent, Subsidiaries | Loca- | Reporting | Directly Controlled by | Influence, | Percen- | Ultimate Controlling | quired? | |
| Code | Group Name | Code | Number | RSSD | CIK | International) | Or Affiliates | tion | Entity | (Name of Entity/Person) | Other) | tage | Entity(ies)/Person(s) | (Yes/No |) * |
| 0000 | | | | | | | Barings Core Fund Feeder GP S.à.r.l. | LUX | NIA | Baring Asset Management Limited | Ownership | | MMLIC | | <u> </u> |
| | | | | | | | Barings BME GP S.à.r.l. | GBR | NIA | Baring Asset Management Limited | Ownership | | MMLIC | | |
| 0000 | | | | | | | Barings GPC GP S.à. r.l . | LUX | NIA | Baring Asset Management Limited | Ownership | 100.000 | MMLIC | | |
| | | | | | | | Barings European Core Property Fund GP Sàrl . | GBR | NIA | Baring Asset Management Limited | Ownership | | MLIC | | |
| 0000 | | | | | | | Barings Investment Fund (LUX) GP S.a. r.l. | LUX | NIA | Baring Asset Management Limited | Ownership | 100.000 | MIC | | |
| | | | | | | | Barings Umbrella Fund (LUX) GP S.à.r.l. | LUX | NIA | Baring Asset Management Limited | Ownership. | 100.000 | MLIC | | |
| | | | | | | | GPLF4(S) GP S.à r.l | LUX | NIA | Baring Asset Management Limited | Ownership | 100.000 | MMLIC | | |
| | | | | | | | PREIF Holdings Limited Partnership | GBR | NIA | Baring Asset Management Limited | Ownership. | | MILIC | | |
| 0000 | | | | | | | BMC Holdings DE LLC | | NIA. | Baring Asset management Ennited | Ownership. | 100.000 | MILIC | | |
| | | | 04-3238351 | 3456895 | | | Barings Real Estate Advisers Inc. | CA | NIA | Barings LLC | Ownership. | | MIC | | |
| | | | 04-0200001 | 0400000 | | | Darings hear Estate Auvisers inc. | UA | | Massachusetts Mutual Life Insurance | owner simp | | . WWLIC | | |
| | | | 81-2244465 | | | | Chassis Acquisition Holding LLC | DE | NIA | Company | Ownership/Influence | | MMLIC | | |
| | | | 01-2244400 | | | | Chassis Acquisition Horung LLC | UE | NIA | Massachusetts Mutual Life Insurance | ownership/inituence | | . WWWLIC | | |
| 0000 | | | 81-4258759 | | | | CRA Aircraft Holding LLC | DE | NUA | | Ownership/Influence | | MMLIC | | |
| | | | | | | | | DE | NIA | Company | | | | | |
| | | | 81-4258759 | | | | CRA Aircraft Holding LLC | DE | NIA | Barings LLC | Influence | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | 83-0560183 | | | | Aland Royalty Holdings LP | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | 83-0560183 | | | | Aland Royalty Holdings LP | DE | NIA | Barings LLC | Management | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 82-2932156 | | | | GASL Holdings LLC | DE | NIA | Company | Ownership | | . MMLIC | | |
| | | | 82-2932156 | | | | GASL Holdings LLC | DE | NIA | Barings LLC | Board | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | 46-2344300 | | | | Intermodal Holdings II LLC | DE | NIA | Company | Ownership | | | | |
| 0000 | | | 46-2344300 | | | | Intermodal Holdings II LLC | DE | NIA | Barings LLC | Management | | MMLIC | | |
| | | | 47-3055009 | | | | Milestone Acquisition Holding, LLC | DE | NIA | MassMutual Holding LLC | Ownership/Influence | | | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | | | | | Novation Companies, Inc. | MD | NIA | Company | Ownership | | | | |
| 0000 | | | | | | | Novation Companies, Inc. | MD | NIA | Barings LLC | Influence | | MMLIC | | |
| | | | | | | | - | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 46-5460309 | | | | Red Lake Ventures, LLC | DE | NIA | Company | Ownership/Influence | | MMLIC | | |
| | | | 46-5460309 | | | | Red Lake Ventures, LLC | DE | NIA | Barings LLC | Influence | | MIC | | |
| | | | | | | | ··· ···, | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | 81-4065378 | | | | Remington L & W Holdings LLC | DE | NIA | Company | Ownership/Influence | .19.900 | MIC | | |
| 0000 | | | 81-4065378 | | | | Remington L & W Holdings LLC | DE | NIA | Barings LLC | Influence | | MIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | 1 | T |
| | | | | | | | Tamiami Citrus, LLC | DE | NIA | Company | Ownership | | MMLIC | 1 | 1 |
| | | | | | | | Tamiami Citrus, LLC | DE | NIA | Barings LLC | Management/Board | | MILIC | | |
| | | | | | | | Teaktree Acquisition, LLC | | NIA | MassMutual Holding LLC | Ownership/Influence | | MMLIC | | |
| 0000 | | | | | | | Teaktree Acquisition, LLC | DE DE | NIA | Barings LLC | Influence | | MILIC | | 1 |
| | | | | | | | Tourties Asquisition, LES | | | Massachusetts Mutual Life Insurance | | | | | |
| . 0000 | | | | | | | Techquity, LP | DE | NIA | Company | Ownership. | 15.600 | MMLIC | | |
| | | | | | | | Techquity, LP | DE | NIA NIA | Barings LLC | Influence | | MMLIC | | |
| | | | | | | | recirquitty, Lr | | | Massachusetts Mutual Life Insurance | IIII Tuence | | . WWWLIC | | |
| | | | | | | | EIP Holdings I, LLC | DE | NIA | Company | Ownership/Influence | | MILIC | 1 | 1 |
| | | | 40,0007000 | | | | | | | | | | | | |
| 0000 | | | 46-0687392 | | | | Validus Holding Company LLC | DE DE | NIA | Barings LLC MassMutual Holding LLC | Ownership | | . MMLIC | | |
| | | | | | | | VGS Acquisition Holding, LLC | | | | Ownership/Influence | | | | |
| | | | | | | | VGS Acquisition Holding, LLC | DE | NIA | Barings LLC | Management | 400.000 | MMLIC | | |
| | | | | | | | Aland Royalty GP, LLC | DE | NIA | Barings LLC | Ownership | | MMLIC | | |
| 0000 | | | | | | | Alaska Future Fund GP, LLC | DE | NIA | Barings LLC | Ownership | | MMLIC | | |
| 0000 | | | | | | | BAI GP, LLC | DE | NIA | Barings LLC | Ownership | | MMLIC | | |
| 0000 | | | | | | | BAI Funds SLP, LLC | DE | NIA | Barings LLC | Ownership | | MMLIC | | |
| | | | | | | | Baring Asset-Based Income Fund (US) GP, LLC . | DE | NIA | Barings LLC | Ownership | | MMLIC | | |
| 0000 | | | | 1 | | | Barings CMS Fund GP, LLC | DE | NIA | Barings LLC | Ownership | 100.000 | MMLTC | 1 | 1 |

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| | | | | | | | | | | of Control | Control | | | |
| | | | | | | | | | | (Ownership, | is | | ls an | |
| | | | | | Name of Coouritie | | | Relation- | | Board. | Owner- | | SCA | |
| | | | | | Name of Securitie | | Dami | | | | | | | |
| | | | | | Exchange | | Domi- | ship | | Management, | ship | | Filing | |
| | | NAIC | | | if Publicly Tradeo | Names of | ciliary | to | | Attorney-in-Fact, | Provide | | Re- | |
| Group | | Company | ID | Federal | (U.S. or | Parent, Subsidiaries | Loca- | Reporting | Directly Controlled by | Influence, | Percen- | Ultimate Controlling | quired? | |
| Code | Group Name | Code | Number | RSSD | CIK International) | Or Affiliates | tion | Entity | (Name of Entity/Person) | Other) | tage | Entity(ies)/Person(s) | (Yes/No |) * |
| | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | | | | Barings Hotel Opportunity Venture I GP, LLC . | DE | NIA | Company | Ownership | | MMLIC | | |
| 0000 | | | | | | Barings Investment Series LLC | DE | NIA | Barings LLC | Ownership | 100.000 | MMLIC | | |
| 0000 | | | | | | Barings Emerging Generation Fund GP, LLC | DE | NIA | Barings LLC | Ownership | | | | |
| 0000 | | | | | | Barings Emerging Generation Fund GP II, LLC . | DE | NIA | Barings LLC | Ownership | 100.000 | | | |
| 0000 | | | | | | Barings ERS PE Emerging Manager III GP, LLC . | DE | NIA | Barings LLC | Ownership | | MMLIC | | |
| | | | | | | Barings Global Investment Funds (U.S.) | | | | | | | | |
| 0000 | | | 04-1590850 | | | Management LLC | DE | NIA | Barings LLC | Ownership | | | | |
| 0000 | | | | | | Barings CLO Investment Partners GP, LLC | DE | NIA | Barings LLC | Ownership | | | | |
| 0000 | | | | | | Barings Core Property Fund GP LLC | DE CYM | NIA NIA | Barings LLC Barings LLC | Ownership. | 100.000 100.000 | | | |
| | | | | | | Barings Direct Lending GP Ltd | | NIA | | Ownership | | | | ··· |
| | | | 84-3784245 | | | Devines Energing Constanting Fund 1D | DE | NIA | Massachusetts Mutual Life Insurance | Ownership | | MMLIC | | |
| | | | 84-3784245 84-3784245 | | | Barings Emerging Generation Fund LP Barings Emerging Generation Fund LP | DE | NIA NIA | Company Barings LLC | Ownership | | IMMLIC | | |
| | | | 84-3/84245 | | | | UE | NIA | Barings LLC | Management | | | | |
| .0000 | | | | | | Barings Global Energy Infrastructure Advisors, LLC | DE | NIA | Barings LLC | Ownership | 100.000 | MILIC | | |
| | | | | | | | DE | NIA | Barings LLC | Uwnersnip | | | | |
| .0000 | | | | | | Barings North American Private Loan Fund Management, LLC | DE | NIA | Barings LLC | Ownership. | 100.000 | MMLIC | | |
| | | | | | | | UE | NIA | Barings LLC | Uwnersnip | | | | |
| .0000 | | | | | | Barings North American Private Loan Fund Management II. LLC | DE | NIA | Barings LLC | Ownership. | 100.000 | MMLIC | | |
| | | | | | | | UE | NIA | Barings LLC | Uwnersnip | | | | |
| 0000 | | | | | | Barings North American Private Loan Fund | DE | NIA | Ban in ma 11.0 | 0 | 100,000 | 188.10 | | |
| 0000 | | | | | | Management III, LLC | DE | | Barings LLC | Ownership | | | | |
| 0000 | | | | | | Barings Global Real Assets Fund GP, LLC Barings GPSF | DE DE | NIA NIA | Barings LLC Barings LLC | Ownership Ownership | 100.000 | MMLIC | | |
| | | | | | | Barings GPSF | UE | NIA | Massachusetts Mutual Life Insurance | Uwnersnip | | | | |
| 0000 | | | 84-5063008 | | | Barings Small Business Fund LLC | DE | NIA | Company | Ownership. | | MILIC | | |
| 0000 | | | 84-5063008 | | | Barings Small Business Fund LLC | | NIA NIA | Barings LLC | Management. | | MMLIC | | |
| | | | 98-0536233 | | | Benton Street Advisors, Inc. | DE | | Barings LLC | Ownership | 100.000 | MMLIC | | |
| | | | 90-0000200 | | | BHOVI Incentive LLC | DE | NIA | Barings LLC | Ownership. | | MMLIC | | |
| 0000 | | | | | | BIG Real Estate Fund GP LLC | DE | NIA | Barings LLC | Ownership | 100.000 | MMLIC | | |
| | | | | | | BIG Real Estate Incentive I LLC | DE | NIA | Barings LLC | Ownership. | | MMLIC | | |
| 0000 | | | | | | BIG Real Estate Incentive II LLC | DE | NIA | Barings LLC | Ownership | 100.000 | MMLIC | | |
| 0000 | | | | | | BRECS VII GP LLC | DE | NIA | Barings LLC | Ownership. | 100.000 | MMLIC | | |
| 0000 | | | | | | BREDIF GP LLC | DE | NIA | Barings LLC | Ownership | 100.000 | MMLIC | | |
| | | | | | | CREF X GP LLC | DE | | Barings LLC | Ownership. | 100.000 | WILIC | | |
| 0000 | | | 04-1590850 | | | Great Lakes III GP, LLC | DE | NIA | Barings LLC | Ownership. | 100.000 | MMLIC | | |
| | | | . 1000000 | | | Lake Jackson LLC | DE | NIA | Barings LLC | Ownership. | 100.000 | MMLIC | . | |
| 0000 | | | 04-1590850 | | | Loan Strategies Management LLC | DE | NIA | Barings LLC | Ownership. | | MMLIC | | |
| 0000 | | | 41-2280126 | | | Mezzco III LLC | DE | NIA | Barings LLC | Ownership. | | MMLIC | | |
| 0000 | | | 80-0920285 | | | Mezzco IV LLC | DF | | Barings LLC | Ownership. | | MMLIC | | |
| | | | | | | Mezzco Australia II LLC | DE DE | NIA | Barings LLC | Ownership. | 100.000 | WILIC | . | 1 |
| | | | | | | RECSA-NY GP LLC | DE | | Barings LLC | Ownership. | | MWLIC | | |
| 0000 | | | 04-1590850 | | | SBNP SIA II LLC | DE | | Barings LLC | Ownership | | MMLIC | | Ι |
| | | | | | | SBNP SIA III LLC | DE | NIA | Barings LLC | Ownership | 100.000 | WILIC | | |
| | | | | | | Somerset Special Opportunities Management LLC | | | 541 mgo 220 | | | | | |
| | | | 04-1590850 | | | | DE | NIA | Barings LLC | Ownership | | WMLIC | | |
| | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | | | | Amherst Long Term Holdings, LLC | DE | NIA | Company | Ownership | | WMLIC | | |
| | | | | | | line in the starting of the st | | | Massachusetts Mutual Life Insurance | | | 1 | · | |
| | | | 04-3313782 | | | MassMutual International LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | MassMutual Solutions LLC | DE | NIA | MassMutual International LLC | Ownership | 100.000 | MMLIC | | 1 |
| | | | | | | Haven Technologies Asia Limited | HKG | NIA | MassMutual Solutions LLC | Ownership | 100.000 | WLIC | - | |
| 0000 | | | | | | Yunfeng Financial Group Limited | HKG | NIA | MassMutual International LLC | Ownership | 24,900 | WILIC | | I |
| | | | | | | MassMutual Asia Limited (SPV) | HKG | NIA | MassMutual International LLC | Ownership | 100.000 | MMLIC | - | |
| | | | | | | masomutudi Asia Limiteu (orv) | n\u | NIA | massmutuai IIIteillätiviläi LLV | Umilei airth | | | | |

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| | | | | | | | | | | | of Control | Control | | | |
| | | | | | | | | | | | (Ownership, | is | | ls an | |
| | | | | | Name | of Securities | | | Relation- | | Board. | Owner- | | SCA | |
| | | | | | | change | | Domi- | ship | | Management, | ship | | Filing | |
| | | NAIC | | | | icly Traded | Names of | | to | | Attorney-in-Fact, | Provide | | Re- | |
| 0 | | - | 10 | E a da val | | | | ciliary | | Disc athe Constralle d by | | | Lilitias etc. Ocustos Ilia e | | |
| Group | | Company | ID | Federal | | J.S. or | Parent, Subsidiaries | Loca- | Reporting | Directly Controlled by | Influence, | Percen- | Ultimate Controlling | quired? | |
| Code | Group Name | Code | Number | RSSD | CIK Inter | mational) | Or Affiliates | tion | Entity | (Name of Entity/Person) | Other) | tage | Entity(ies)/Person(s) | (Yes/No |) ^ |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | 100 10 | | |
| 0000 | | | 04-1590850 | | | | MML Mezzanine Investor II, LLC | DE | NIA | Company Massachusetts Mutual Life Insurance | Ownership | 100.000 | MMLIC | | |
| | | | 04-1590850 | | | | | DE | NIA | | 0 | 11 100 | MILIC | | |
| | | | 04-1590850 | | | | MML Mezzanine Investor III, LLC | UE | NIA | Company Massachusetts Mutual Life Insurance | Ownership | | | | |
| | | | 27-3576835 | | | | MassMutual External Benefits Group LLC | DE | NIA | Company | Ownership | | MILIC | | |
| | | | 21-3310833 | | | | Massmutual External Benefits Gloup LLC | UE | NIA | Massachusetts Mutual Life Insurance | owner simp | | | | |
| | | | 04-1590850 | | | | 100 w. 3rd Street LLC | DE | NIA | Company | Ownership. | 100.000 | MMLIC | | |
| | | | 04 1000000 | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | 04-1590850 | | | | 2160 Grand Manager LLC | DE | NIA | Company | Ownership. | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | 82-2432216 | | | | 300 South Tryon Hotel LLC | DE | NIA | Company | Ownership | 100.000 | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | 04-1590850 | | | | 300 South Tryon LLC | DE | NIA | Company | Ownership | 100.000 | WILIC | | |
| | | | | | | | , , , , , , , , , , , , , , , , , , , , | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | | | | | Almack Mezzanine Fund II Unleveraged LP | GBR | NIA | Company | Ownership/Influence | | MMLIC | | |
| | | | | | | | Barings Affordable Housing Mortgage Fund I | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | | | | | LLC | DE | NIA | Company | Ownership | | | | |
| | | | | | | | Barings Affordable Housing Mortgage Fund I | | | | | | | | |
| 0000 | | | | | | | LLC | DE | NIA | Barings LLC | Management | | MMLIC | | |
| | | | | | | | Barings Affordable Housing Mortgage Fund II | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 61-1902329 | | | | LLC | DE | NIA | Company | Ownership | | | | |
| | | | | | | | Barings Affordable Housing Mortgage Fund II | | | | | | | | |
| 0000 | | | 61-1902329 | | | | LLC | DE | NIA | Barings LLC | Management | | . MMLIC | | |
| | | | | | | | Barings Affordable Housing Mortgage Fund III | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 85-3036663 | | | | LTC | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | Barings Affordable Housing Mortgage Fund III | | | | | | | | |
| 0000 | | | 85-3036663 | | | | ШС | DE | NIA | Barings LLC | Management | | . MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | 100 10 | | |
| 0000 | | | 36-4868350 | | | | Barings Asset-Based Income Fund (US) LP | DE | NIA | Company | Ownership/Influence | | | | |
| 0000 | | | 36-4868350 36-4868350 | | | | Barings Asset-Based Income Fund (US) LP | DE DE | NIA NIA | C.M. Life Insurance Company Barings LLC | Ownership/Influence | 1.100 | . MALIC | | |
| | | | 30-4808330 | | | | Barings Asset-Based Income Fund (US) LP Barings Emerging Markets Corporate Bond Fund | UE | NIA | Massachusetts Mutual Life Insurance | Management | | MMLIC | | |
| 0000 | | | | | | | bar mys Emerging markets Corporate Bond Fund | IRL | NIA | Company | Ownership/Influence | 48.900 | MMLIC | | |
| | | | | | | | Barings Emerging Markets Corporate Bond Fund | INL | NIA | | owner sinp/ initiaence | | | | |
| 0000 | | | | | | | Dar mgs Emerging markets ourporate Donu Fullu | IRL | NIA | Barings LLC | Ownership | 15,800 | MMLIC | 1 | |
| | | | | | | | Barings European Real Estate Debt Income Fund | | | Massachusetts Mutual Life Insurance | and only | | | | |
| | | | | | | | Sarings European near Estate Debt modile Fullu | LUX | NIA | Company | Ownership/Influence | | MMLIC | | |
| | | | | | | | Barings European Real Estate Debt Income Fund | | | | | | | | 1 |
| | | | | | | | | LUX | NIA | Barings LLC | Influence | 1 | MMLIC | 1 | |
| | | | | | | | Babson Capital Global Special Situation | | | Massachusetts Mutual Life Insurance | | 1 | | - I | T |
| | | | 98-1206017 | | | | Credit Fund 2 | DE | NIA | Company | Ownership/Influence | | MMLIC | | |
| | | | | | | | Babson Capital Global Special Situation | | | · · · · · · · · · · · · · · · · · · · | | | | | 1 |
| | | | 98-1206017 | | | | Credit Fund 2 | DE | NIA | C.M. Life Insurance Company | Ownership | | MMLIC | | |
| | | | | | | | Babson Capital Global Special Situation | | | | | | | | |
| | | | 98-1206017 | | | | Credit Fund 2 | DE | NIA | Barings LLC | Management | | | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | 37-1506417 | | | | Babson Capital Loan Strategies Fund, L.P | DE | NIA | Company | Ownership/Influence | | . MMLIC | | |
| 0000 | | | 37-1506417 | | | | Babson Capital Loan Strategies Fund, L.P | DE | NIA | C.M. Life Insurance Company | Ownership | | . MMLIC | | |
| 0000 | | | 37-1506417 | | | | Babson Capital Loan Strategies Fund, L.P | DE | NIA | Barings LLC | Management | | . MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | 1 | | 1 | |
| | | | | | | | Barings US High Yield Bond Fund | IRL | NIA | Company | Ownership/Influence | | | | |
| 0000 | | | | | | | Barings US High Yield Bond Fund | IRL | NIA | Barings LLC | Management | | . MMLIC | | |
| | | | | | | | Babson CLO Ltd. 2013-1 | CYM | NIA | Barings LLC | Influence | | . MMLIC | | 2 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-------|------------|---------|------------|---------|-----|--------------------|------------------------------------------------|-------------|-----------|-------------------------------------|------------------------|-----------|-----------------------|---------|----------|
| | Z | 5 | 4 | 5 | 0 | 1 | 8 | 9 | 10 | 11 | Type | lf | 14 | 15 | 10 |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | of Control | Control | | | |
| | | | | | | | | | | | (Ownership, | is | | ls an | |
| | | | | | | Name of Securities | | | Relation- | | Board, | Owner- | | SCA | |
| | | | | | | Exchange | | Domi- | ship | | Management, | ship | | Filing | |
| | | NAIC | | | | if Publicly Traded | Names of | ciliary | to | | Attorney-in-Fact, | Provide | | Re- | |
| Group | | Company | ID | Federal | | (U.S. or | Parent, Subsidiaries | Loca- | Reporting | Directly Controlled by | Influence, | Percen- | Ultimate Controlling | auired? | , |
| Code | Group Name | Code | Number | RSSD | CIK | International) | Or Affiliates | tion | Entity | (Name of Entity/Person) | Other) | tage | Entity(ies)/Person(s) | (Yes/No | |
| | Gloup Name | Code | Number | ROOD | CIK | International) | | | | (| , | Ŭ | | (Tes/NC | ,, |
| 0000 | | | | | | | Babson CLO Ltd. 2015-1 | CYM | | Barings LLC | Influence | | .IC | | |
| 0000 | | | | | | | Babson CLO Ltd. 2015-11 | CYM | | Barings LLC | Influence | | .IC | | |
| 0000 | | | | | | | Babson CLO Ltd. 2016-1 | CYM | | Barings LLC | Influence | | IC | | |
| 0000 | | | | | | | Babson CLO Ltd. 2016-11 | CYM | | Barings LLC | Influence | | IC | | |
| 0000 | | | | | | | Barings CLO Ltd. 2017-1 | CYM | | Barings LLC | Influence | | .IC | | |
| 0000 | | | | | | | Barings CLO 2018-III | CYM | | Barings LLC | Influence | | IC | | |
| 0000 | | | | | | | Barings CLO 2018-IV | CYM | | Barings LLC | Influence | | IC | | |
| 0000 | | | 98-1473665 | | | | Barings CLO 2019-11 | CYM | | Barings LLC | Influence | | IC | | |
| 0000 | | | | | | | Barings CLO 2019-III | <u>C</u> YM | | Barings LLC | Influence | | IC | | |
| 0000 | | | | | | | Barings CLO 2019-IV | CYM | | Barings LLC | Influence | | .10 | | |
| 0000 | | | | | | | Barings CLO 2020-1 | CYM | | Barings LLC | Influence | | IC | | |
| 0000 | | | | | | | Barings CLO 2020-11 | CYM | | Barings LLC | Influence | | .IC | | |
| 0000 | | | | | | | Barings CLO 2020-111 | CYM | | Barings LLC | Influence | | IC | | |
| 0000 | | | | | | | Barings CLO 2020-IV | CYM | | Barings LLC | Influence | | .IC | | |
| 0000 | | | | | | | Barings CLO 2021-1 | CYM | | Barings LLC | Influence | | IC | | |
| 0000 | | | | | | | Barings CLO 2021-II | CYM | NIA | Barings LLC | Influence | | .IC | | |
| | | | | | | | Barings CLO 2021-III | CYM | | Barings LLC | Influence | | .IC | | |
| 0000 | | | | | | | Babson Euro CLO 2014-I BV | NLD | NIA | Barings LLC | Influence | MM | .IC | | |
| | | | | | | | Babson Euro CLO 2014-II BV | NLD | | Barings LLC | Influence | | .IC | | |
| 0000 | | | | | | | Babson Euro CLO 2015-I BV | NLD | NIA | Barings LLC | Influence | MM | .IC | | |
| 0000 | | | 36-037260H | | | | Barings Euro CLO 2019-1 BV | IRL | NIA | Barings LLC | Influence. | MM | .IC | | |
| 0000 | | | | | | | Barings Euro CLO 2019-II BV | IRL | NIA | Barings LLC | Influence | MM | .IC | | |
| | | | | | | | Barings Euro CLO 2020-1 DAC | IRL | NIA | Barings LLC | Influence | | .IC | | |
| 0000 | | | 37-15576VH | | | | Barings Euro CLO 2021-I DAC | IRL | NIA | Barings LLC | Influence | MM | .IC | | |
| | | | | | | | Barings Euro CLO 2021-II DAC | IRL | | Barings LLC | Influence. | MM | .IC | | |
| 0000 | | | | | | | Barings Euro CLO 2021-III DAC | IRL | | Barings LLC | Influence | MM | .IC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | 81-0841854 | | | | Barings CLO Investment Partners LP | DE | | Company | Ownership/Influence | 99.300 MM | .IC | | |
| | | | 81-0841854 | | | | Barings CLO Investment Partners LP | DE | | Barings LLC | Management | | IC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | managoment | | | | |
| | | | | | | | Barings Euro Value Add II (BREEVA II) | LUX | | Company | Ownership/Influence | | .IC | | |
| 0000 | | | | | | | Barings Euro Value Add II (BREEVA II) | LUX | | C.M. Life Insurance Company | Ownership | | IC | | |
| 0000 | | | | | | | Barings Euro Value Add II (BREEVA II) | LUX | | Barings LLC | Management. | | IC | | |
| | | | | | | | Barings Real Estate European Value Add SCSp | | | Massachusetts Mutual Life Insurance | management | | | | |
| 0000 | | | | | | | bar mga near Estate European varue Adu i boop | GBR | | Company | Ownership/Influence | | .IC | | |
| | | | | | | | Barings Real Estate European Value Add SCSp | | | company | Owner simp/ initiaence | | .10 | | |
| | | | | | | | barings near Estate European varue Auu i 303 | | NIA | C.M. Life Insurance Company | Ownership. | 4.900 MM | IC | | |
| | | | | | | | Designs Deel Estate Error very Value Add I 000 | upn | NIA | C.M. Life insurance company | Owner snip | | .10 | | |
| 0000 | | | | 1 | | | Barings Real Estate European Value Add I SCSp | 000 | NLA | Desince LLC | Managament | | .IC | | |
| 0000 | | | | | | | | GBR | | Barings LLC | Management | | .10 | | |
| 0000 | | | 05 0440000 | | | | Denings Deal Estate Dalation English | 05 | | Massachusetts Mutual Life Insurance | Querenti (left | 00.000 | 10 | | |
| 0000 | | | 85-3449260 | | | | Barings Real Estate Debt Income Fund LP | DE | | Company | Ownership/Influence | | .IC | | |
| | | | 85-3449260 | | | | Barings Real Estate Debt Income Fund LP | DE | | C.M. Life Insurance Company | Influence | | .IC | | |
| 0000 | | | 85-3449260 | | | | Barings Real Estate Debt Income Fund LP | DE | | Barings LLC | Management | | .IC | | |
| 0000 | | | 82-5330194 | | | | Barings Global Em. Markets Equity Fund | NC | | Barings LLC | Management | | .IC | | |
| | | | | | | | Barings Global Energy Infrastructure Fund I | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 98-1332384 | | | | | CYM | NIA | Company | Ownership/Influence | | IC | | |
| | | | | | | | Barings Global Energy Infrastructure Fund I | | | | | | | | |
| 0000 | | | 98-1332384 | | | | LP | CYM | | Baring Asset Management Limited | Management | | IC | | |
| 0000 | | | | | | | Barings Global Dividends Champion Fund | IRL | | Barings LLC | Management | | IC | | |
| 0000 | | | | | | | Barings Global Inv. Grade Strat Fund | IRL | | Barings LLC | Management | MMI | .IC | | |
| | | | | 1 | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | 82-3867745 | | | | Barings Global Real Assets Fund LP | DE | | Company | Ownership/Influence | | .IC | | |
| 0000 | | | 82-3867745 | | | | Barings Global Real Assets Fund LP | DE | | C.M. Life Insurance Company | Ownership | | .IC | | |
| 0000 | | | 82-3867745 | | | | Barings Global Real Assets Fund LP | DE | NIA | Barings LLC | Management | MMI | .IC | | |

| | | | | _ | | | | | - | | | | | | |
|-------|------------|---------|------------|---------|-----|--------------------|-----------------------------------------------|----------|-----------|---------------------------------------|-----------------------|---------|-----------------------|----------|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | | | | | | | | | | Туре | lf | | | |
| | | | | | | | | | | | of Control | Control | | | |
| | | | | | | | | | | | (Ownership, | is | | ls an | |
| | | | | | | | | | DULT | | | - | | | |
| | | | | | I | Name of Securities | | _ | Relation- | | Board, | Owner- | | SCA | |
| | | | | | | Exchange | | Domi- | ship | | Management, | ship | | Filing | |
| | | NAIC | | | | if Publicly Traded | Names of | ciliary | to | | Attorney-in-Fact, | Provide | | Re- | |
| Group | | Company | ID | Federal | | (U.S. or | Parent, Subsidiaries | Loca- | Reporting | Directly Controlled by | Influence, | Percen- | Ultimate Controlling | quired? | , |
| Code | Group Name | Code | Number | RSSD | CIK | International) | Or Affiliates | tion | Entity | (Name of Entity/Person) | Other) | tage | Entity(ies)/Person(s) | (Yes/No | |
| Coue | Gloup Name | Coue | Number | ROOD | OIN | international) | | lion | Linuty | | Other) | laye | | (165/100 | / |
| | | | | | | | Barings Global Special Situations Credit Fund | 1 | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | | | | | 3 | IRL | NIA | Company | Ownership/Influence | | MMLIC | | |
| | | | | | | | Barings Global Special Situations Credit 4 | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | | | | | Delaware | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | Barings Global Special Situations Credit 4 | | | | | | | | |
| | | | | | | | Delaware | DE | NIA | C.M. Life Insurance Company | Ownership | | MMLIC | | |
| | | | | | | | Barings Global Special Situations Credit 4 | | | | | | | | |
| | | | | | | | Delaware | DE | NIA | Barings LLC | Management | | MMLIC | | |
| | | •••••• | | | | | Barings Global Special Situations Credit 4 | DL | | Massachusetts Mutual Life Insurance | management | | | | |
| 0000 | | | | | | | | 1.1.17 | | | o | 40.500 | 144.10 | | |
| 0000 | | | | | | | | LUX | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | Barings Global Special Situations Credit 4 | | | | la su | | | | |
| 0000 | | | | | | | LUX | LUX | NIA | C.M. Life Insurance Company | Ownership | | MMLIC | | |
| | | | | | | | Barings Global Special Situations Credit 4 | | | | | | | | |
| 0000 | | | | | | | LUX | LUX | NIA | Barings LLC | Management. | | MMLIC | | |
| | | | | | | | Barings Global Special Situations Credit Fund | 1 | | , , , , , , , , , , , , , , , , , , , | ÷ | | | | |
| .0000 | | | | | | | 3 | IRL | NIA | Barings LLC | Management | | MMLIC | | |
| | | | | | | | Barings Global Technology Equity Fund | IRL | | Barings LLC | Ownership/Influence | | MILIC | | |
| | | | | | | | bai ngs giobai recinorogy Equity Fund | InL | | Massachusetts Mutual Life Insurance | ownership/inituence | | | | |
| 0000 | | | 07 0077050 | | | | | OT | | | | 75 400 | 144.10 | | |
| | | | 87-0977058 | | | | Barings Hotel Opportunity Venture | CT | NIA | Company | Ownership/Influence | 75.400 | | | |
| 0000 | | | 87-0977058 | | | | Barings Hotel Opportunity Venture | CT | NIA | Barings LLC | Management | | MMLIC | | |
| | | | | | | | Barings Innovations & Growth Real Estate Fund | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 86-3661023 | | | | | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | Barings Innovations & Growth Real Estate Fund | d | | | | | | | |
| 0000 | | | 86-3661023 | | | | * | DE | NIA | C.M. Life Insurance Company | Ownership | | MMLIC | | |
| | | | | | | | Barings Middle Market CLO 2017-I Ltd & LLC | CYM | NIA | Barings LLC | Influence. | | MMLIC | | |
| 0000 | | | | | | | Barings Middle Market CLO 2018-1 | CYM | | Barings LLC | Influence | | MILIC | | |
| 0000 | | | | | | | Barings Middle Market CLO 2019-1 | CYM | NIA | Barings LLC | Influence | | MMLIC | | |
| 0000 | | | 98-1612604 | | | | Barings Middle Market CLO Ltd 2019-1 | CYM | | Barings LLC | Influence | | MILIC | | |
| | | | 90-1012004 | | | | barings middle market GLU Ltd 2021-1 | | NIA | | Ini iuence | | | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 38-4010344 | | | | Barings North American Private Loan Fund LP . | DE | NIA | Company | Ownership/Influence | | MMLIC | | |
| 0000 | | | 38-4010344 | | | | Barings North American Private Loan Fund LP . | DE | NIA | Baring Asset Management Limited | Management | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 98-1332384 | | | | Barings RE Credit Strategies VII LP | DE DE | NIA | Company | Ownership/Influence | | MMLIC | | |
| 0000 | | | 98-1332384 | | | | Barings RE Credit Strategies VII LP | DE | NIA | Baring Asset Management Limited | Management | | MMLIC | | |
| | | | | | | | Barings Target Yield Infrastructure Debt Fund | | | Massachusetts Mutual Life Insurance | | 1 | | | |
| 0000 | | | 98-1567942 | | | | | LUX | NIA | Company | Ownership | | MMLIC | | |
| | | | 00 1001042 | | | | Barings Target Yield Infrastructure Debt Fund | | | ounpurit | owner on p | | | | |
| 0000 | | | 00 4507040 | | | | barings larget field infrastructure bebt Fund | 1 | | D · · · · · · · · · · · · | | | 144.10 | | |
| | | | 98-1567942 | | | | | LUX | | Baring Asset Management Limited | Management | | | | |
| 0000 | | | 87-1262754 | | | | Barings Transportation Fund LP | DE | NIA | MassMutual Holding LLC | Ownership/Influence | | MMLIC | | |
| 1 1 | | | | | | | | 1 | | Massachusetts Mutual Life Insurance | 1 | | | | |
| 0000 | | | 87-1262754 | | | | Barings Transportation Fund LP | DE | NIA | Company | Ownership | | MMLIC | | |
| 1 1 | | | | | | | | 1 | | Massachusetts Mutual Life Insurance | 1 | | | | |
| 0000 | | | | | | | Braemar Energy Ventures I, L.P. | DE | NIA | Company | Ownership/Influence | | MMLIC | | |
| | | | | | | | Braemar Energy Ventures I, L.P. | DE | NIA | C.M. Life Insurance Company | Ownership. | 1.300 | MILIC | | |
| | | | | | | | Braemar Energy Ventures I, L.P. | DE | NIA | Barings LLC | Management | | MILIC | | 1 |
| | | | | | | | | | | | Ownership/Influence | 9.000 | MMLIC | | |
| | | | | | | | Barings European Core Property Fund SCSp | LUX | NIA | MassMutual Holding LLC | | | | | |
| 0000 | | | | | | | Barings European Core Property Fund SCSp | LUX | | C.M. Life Insurance Company | Ownership | 0.600 | | | |
| 0000 | | | | | | | Barings European Core Property Fund SCSp | LUX | NIA | Barings Real Estate Advisers LLC | Management | | MMLIC | | |
| | | | | | | | | 1 | 1 | Massachusetts Mutual Life Insurance | 1 | | | | |
| | | | 46-5001122 | | | | Barings European Private Loan Fund III A | LUX | NIA | Company | Ownership | | MMLIC | | |
| 0000 | | | 38-4059932 | | | | Benchmark 2018-B2 Mortgage Trust | NY | NIA | Barings LLC | Influence | | MMLIC | | 1 |
| | | | | | | | Benchmark 2018-B4 | NY | NIA | Barings LLC | Influence. | T | MILIC | | 1 |
| 0000 | | | 38-4096530 | | | | Benchmark 2018-B4 | NY | NIA | Barings LLC | Influence | | MILIC | | 1 |
| | | | 20-5578089 | | | | Barings Core Property Fund LP | DE | NIA | MassMutual Holding LLC | Ownership/Influence | 22.300 | MMLIC | | |
| (888) | | | 20-00/8088 | | | | Darings Core Property Fund LP | 1VE | NIA | wasswuluai Moloing LLC | Uwrier Ship/Intiuence | | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|--------|------------|---------|--------------------------|---------|------------|--------------------|-----------------------------------------------|----------|------------|----------------------------------------|-------------------------|----------------|-----------------------|----------|----|
| | 2 | 5 | - | 5 | 0 | r | 0 | 3 | 10 | | Type | If | 14 | 15 | 10 |
| | | | | | | | | | | | of Control | Control | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | (Ownership, | is | | ls an | |
| | | | | | | Name of Securities | | | Relation- | | Board, | Owner- | | SCA | |
| | | | | | | Exchange | | Domi- | ship | | Management, | ship | | Filing | |
| | | NAIC | | | | if Publicly Traded | Names of | ciliary | to | | Attorney-in-Fact, | Provide | | Re- | |
| Group | | Company | ID | Federal | | (U.S. or | Parent, Subsidiaries | Loca- | Reporting | Directly Controlled by | Influence, | Percen- | Ultimate Controlling | quired? | > |
| Code | Group Name | Code | Number | RSSD | CIK | International) | Or Affiliates | tion | Entity | (Name of Entity/Person) | Other) | tage | Entity(ies)/Person(s) | (Yes/No | |
| 0000 | Gloup Name | | 20-5578089 | ROOD | OIN | International) | | | | Barings Real Estate Advisers LLC | | laye | | (165/140 | ,, |
| | | | 20-00/8089 | | | | Barings Core Property Fund LP | DE | NIA | | Management | | MMLIC | | |
| 0000 | | | 10 5100010 | | | | | DE | | Massachusetts Mutual Life Insurance | | 07 100 | 188.10 | | |
| 0000 | | | 46-5432619 | | | | Cornerstone Real Estate Fund X LP | DE | NIA | Company | Ownership/Influence | | | | |
| 0000 | | | 46-5432619 | | | | Cornerstone Real Estate Fund X LP | DE | NIA | C.M. Life Insurance Company | Ownership | 3.000 | . MMLIC | | |
| 0000 | | | 46-5432619 | | | | Cornerstone Real Estate Fund X LP | DE | NIA | Barings Real Estate Advisers LLC | Management | | . MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 35-2531693 | | | | Cornerstone Permanent Mortgage Fund III LLC . | MA | NIA | Company | Ownership/Influence | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 61-1793735 | | | | Cornerstone Permanent Mortgage Fund IV LLC | MA | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | 1 | | 1 | 1 | |
| 0000 | | | 90-0991195 | | 0001597511 | | Gateway Mezzanine Partners II LP | DE | NIA | Company | Ownership/Influence | | MMLIC | | |
| | | | 90-0991195 | | 0001597511 | | Gateway Mezzanine Partners II LP | DE | NIA | C.M. Life Insurance Company | Ownership | | | | |
| | | | 90-0991195 | | 0001597511 | | Gateway Mezzanine Partners II LP | DE | NIA | Barings LLC | Management | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | 1 | | | | |
| 0000 | | | 37-1708623 | | | | Great Lakes III, L.P | DE | NIA | Company | Ownership/Influence | | MMLIC | | |
| 0000 | | | 37-1708623 | | | | Great Lakes III, L.P. | DE | NIA | Barings LLC | Management | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | Ŭ | | | | |
| . 0000 | | | | | | | GIA EU Holdings - Emerson JV Sarl | LUX | NIA | Company | Ownership/Influence | 49.800 | WILIC | | |
| | | | | | | | GIA EU Holdings - Emerson JV Sarl | LUX | NIA | Barings LLC | Management | | MMLIC | | |
| | | | | | | | JPMCC Commercial Mortgage Securities Trust | | | | | 1 | | | |
| 0000 | | | 38-4041011 | | | | 2017-JP7 | NY | NIA | Barings LLC | Influence | | MMLIC | | |
| | | | | | | | JPMDB Commercial Mortgage Securities Trust | | | Dui ingo EEV | | | | | |
| | | | 38-4032059 | | | | 2017-C5 | NY | NIA | Barings LLC | Influence | | MMLIC | | |
| | | | 00 4002003 | | | | 2011 00 | | | Massachusetts Mutual Life Insurance | 1111100106 | | | | |
| 0000 | | | 82-1512591 | | | | KKR-MM Vector LP | DE | NIA | Company | Ownership/Influence | 100.000 | MILIC | | |
| | | | 02-1012091 | | | | 11111-11111 VCCLUI LF | | | Massachusetts Mutual Life Insurance | owner simp/ initialitie | | | | |
| | | | 46-4255307 | | | | Marco Hotel LLC | | NIA | Company | Ownership | 100.000 | MILIC | | |
| | | | 40-420030/ | | | | marco noter LLG | VE | NIA | Massachusetts Mutual Life Insurance | owner snip | | | | |
| 0000 | | | 04 1500050 | | | | Niemi Dauglas One CB LLC | DE | NIA | | Influence | 0.000 | | | |
| 0000 | | | 04-1590850 04-1590850 | | | | Miami Douglas One GP LLC | DE DE | NIA NIA | Company C.M. Life Insurance Company | Influence | 0.000 5.500 | . MMLIC | | |
| | | | 04-1090800 | | | | Miami Douglas One GP LLC | | NIA | | Ownership | | | | |
| 0000 | | | 04 4500050 | | | | Ningi Duralas Tas OD 110 | DE | N/2 4 | Massachusetts Mutual Life Insurance | 1-41 | 0.000 | | | |
| 0000 | | | 04-1590850 | | | | Miami Douglas Two GP LLC | | NIA | Company | Influence | 0.000 | | | |
| 0000 | | | 04-1590850 | | | | Miami Douglas Two GP LLC | DE | NIA | C.M. Life Insurance Company | Influence | 0.000 | . MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 04-1590850 | | | | Miami Douglas One LP | DE | NIA | Company | Ownership. | | | | |
| 0000 | | | 04-1590850 | | | | Miami Douglas One LP | DE | NIA | C.M. Life Insurance Company | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 04-1590850 | | | | Miami Douglas Two LP | DE | NIA | Company | Ownership | | | | |
| 0000 | | | 04-1590850 | | | | Miami Douglas Two LP | DE | NIA | C.M. Life Insurance Company | Ownership | | | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | 1 | | | | |
| 0000 | | | 04-1590850 | | | | Miami Douglas Three MM LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | 1 | | | | |
| 0000 | | | 87-4021641 | | | | MM BIG Peninsula Co-Invest Member LLC | DE | NIA | Company | Ownership | | | | |
| 0000 | | | 87-4021641 | | | | MM BIG Peninsula Co-Invest Member LLC | DE | NIA | C.M. Life Insurance Company | Ownership | 0.800 | . MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | 1 | | | | |
| | | | 85-3886824 | | | | NYDIG Digital Assets Fund II LP | DE | NIA | Company | Ownership | | | | |
| | | | | | | | - | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | 45-3623262 | | | | HB Naples Golf Owner LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | | | | | MM CM Holding LLC | DE | NIA | Company | Ownership | | MMLIC | 1 | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | P | | | | |
| | | | 81-3000420 | | | | MM Debt Participations LLC | DE | NIA | Company | Ownership/Influence | | MMLIC | 1 | |
| 0000 | | | 81-3000420 | | | | MM Debt Participations LLC | DE | NIA | Barings LLC | Management | | MMLIC | | |
| | | | 01-0000420 | | | | mm bobt laiticipations LLC | | NIA | Dai myo LLV | manaycillent | -+ | | | |

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|-------|------------|---------|-------------|---------|-----|--------------------|---------------------------------------------------------|---------|-----------|-------------------------------------|---------------------|---------|-----------------------|----------|-------|
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| | | | | | | | | | | | of Control | Control | | | |
| | | | | | | | | | | | (Ownership, | is | | ls an | |
| | | | | | | | | | | | | | | | |
| | | | | | | Name of Securities | | | Relation- | | Board, | Owner- | | SCA | |
| | | | | | | Exchange | | Domi- | ship | | Management, | ship | | Filing | |
| | | NAIC | | | | if Publicly Traded | Names of | ciliary | to | | Attorney-in-Fact, | Provide | | Re- | |
| Group | | Company | ID | Federal | | (U.S. or | Parent, Subsidiaries | Loca- | Reporting | Directly Controlled by | Influence, | Percen- | Ultimate Controlling | quired? | |
| Code | Craun Nama | | | RSSD | CIK | International) | Or Affiliates | | | | Other) | | | | * |
| Code | Group Name | Code | Number | R99D | CIK | International) | Or Amiliates | tion | Entity | (Name of Entity/Person) | Other) | tage | Entity(ies)/Person(s) | (Yes/No) |) |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 82-4411267 | | | | RB Apartments LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 20-8856877 | | | | Somerset Special Opportunities Fund L.P | DE | NIA | Company | Ownership/Influence | 40,100 | MMLIC | | |
| 0000 | | | 20-8856877 | | | | Somerset Special Opportunities Fund L.P. | DE | NIA | C.M. Life Insurance Company | Ownership. | 1.900 | MMLIC | | |
| | | | | | | | comoroet operation opper tant tree i and En i | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | 35-2553915 | | | | Ten Fan Pier Boulevard LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | | | | | | | | | |
| | | | 41-2280127 | | | | Tower Square Capital Partners III, L.P | DE | NIA | Barings LLC | Management | | MMLIC | | |
| 0000 | | | 41-2280127 | | | | Tower Square Capital Partners III, L.P | DE | NIA | MassMutual Holding LLC | Ownership/Influence | | MMLIC | ' | |
| | | | | 1 | | | | | | Massachusetts Mutual Life Insurance | | | | 1 ' | 1 |
| 0000 | | | 41-2280129 | | | | Tower Square Capital Partners IIIA, L.P | DE | NIA | Company | Ownership/Influence | | MMLIC | | |
| 0000 | | | 41-2280129 | | | | Tower Square Capital Partners IIIA, L.P. | DE | NIA | Barings LLC | Management | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | • | | | | |
| | | | 04-1590850 | | | | Trailside MM Member LLC | DE | NIA | Company | Ownership | | MMLIC | 1 ' | |
| | | | 04-1590850 | | | | Trailside MM Member LLC | DE | NIA | C.M. Life Insurance Company | Ownership | | MILIC | | |
| | | | 04-1090600 | | | | Traffside www.wember LLC | | NIA | Massachusetts Mutual Life Insurance | owner ship | | . WWLLIC | | |
| | | | | | | | | | | | | | | | |
| | | | 83-1325764 | | | | Washington Gateway Two LLC | DE | NIA | Company | Ownership | | MMLIC | ' | |
| 0000 | | | 83-1325764 | | | | Washington Gateway Two LLC | DE | NIA | C.M. Life Insurance Company | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 32-0574045 | | | | Washington Gateway Three LLC | DE | NIA | Company | Ownership. | | MMLIC | | |
| 0000 | | | 32-0574045 | | | | Washington Gateway Three LLC | DE | NIA | C.M. Life Insurance Company | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | 04-1590850 | | | | West 46th Street Hotel LLC | DE | NIA | Company | Ownership | 100.000 | MMLIC | | |
| | | | 04-1090000 | | | | Babson Capital Loan Strategies Master Fund LP | UE | | company | owner snip | | WWLIG | | |
| 0000 | | | | | | | Dauson capital Loan Strategies master Fund LF | 0.44 | | | | | 198 10 | | |
| | | | | | | | | CYM | NIA | Barings LLC | Management | | MMLIC | | |
| | | | | | | | Barings China Aggregate Bond Private | | | | | | | | |
| 0000 | | | | | | | Securities Investment Fund | CHN | NIA | Barings LLC | Management | | MMLIC | | |
| 0000 | | | | | | | Barings European Growth Trust Fund | GBR | NIA | Barings LLC | Ownership/Influence | | MMLIC | | |
| | | | 47-3790192 | | | | Barings Global High Yield Fund | MA | NIA | Barings LLC | Management | | MMLIC | | |
| 0000 | | | | | | | CCIC Fund | CHN | NIA | Barings LLC | Ownership/Influence | 66,200 | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 71-1018134 | | | | Great Lakes II LLC | DE | NIA | Company | Ownership | 10,600 | MMLIC | | |
| | | | 71-1018134 | | | | Great Lakes II LLC | DE | NIA | C.M. Life Insurance Company | Ownership. | | MILIC | | 1 |
| | | | 1 1-1010134 | | | | Ulear Lakes II LLU | VE | INT A | | owner snip | | . ₩₩₩LIU | [| |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | 1 ' | |
| 0000 | | | 04-1590850 | | | | Wood Creek Venture Fund LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | 1 ' | |
| 0000 | | | 36-4823011 | | | | 50 Liberty LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | 36-4823011 | l | | | 50 Liberty LLC | DE | NIA | C.M. Life Insurance Company | Ownership | | MMLIC | | .l |
| | | | | | | | · · · · · , <u></u> · · · · · · · · · · · · · · · · · · | | | Massachusetts Mutual Life Insurance | | | | | 1 |
| | | | | | | | Barings California Mortgage Fund IV | CA | NIA | Company | Ownership | | MMLIC | 1 ' | |
| | | | | | | | baringo varitutina mutigage i unu 1V | | | Massachusetts Mutual Life Insurance | omorantp | | | | 1 |
| 0000 | | | | 1 | | | Preises Intertile Fred LIN 000 - 01011/ DATE | LUV | NIL A | | 0 | 50.000 | | 1 ' | 1 |
| | | | | | | | Barings Umbrella Fund LUX SCSp SICAV RAIF | LUX | NIA | Company | Ownership | | MMLIC | [' | ····· |
| 0000 | | | | | | | Barings Umbrella Fund LUX SCSp SICAV RAIF | LUX | NIA | C.M. Life Insurance Company | Ownership | 2.300 | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | 1 ' | |
| | | | 82-2285211 | | | | Calgary Railway Holding LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| | | | 82-2285211 | | | | Calgary Railway Holding LLC | DE | NIA | C.M. Life Insurance Company | Ownership | | MMLIC | | |
| | | | | | | | , , , | | | Massachusetts Mutual Life Insurance | | 1 | | | |
| | | | 82-3307907 | 1 | | | Cornbrook PRS Holdings LLC | DE | NIA | Company | Ownership | | MMLIC | 1 ' | 1 |
| | | | 02 0001301 | | | | Control con The norunings LLC | | | Massachusetts Mutual Life Insurance | omorantp | | | | 1 |
| 0000 | | | 05 4007747 | | | | Organization Orlifornia Negtoria Errichtito | ~ | ALL A | | 0 | 100,000 | | 1 ' | |
| | | | 95-4207717 | | | | Cornerstone California Mortgage Fund I LLC | CA | NIA | Company | Ownership | 100.000 | MMLIC | | |
| | | | | 1 | | | | | | Massachusetts Mutual Life Insurance | | | | 1 ' | 1 |
| | | | 95-4207717 | | | | Cornerstone California Mortgage Fund II LLC . | CA | NIA | Company | Ownership | 100.000 | MMLIC | | |
| | | | | | | | | | | | | | | | 1 |
| 0000 | | | 95-4207717 | | | | Cornerstone California Mortgage Fund III LLC | CA | | Massachusetts Mutual Life Insurance | | | MMLIC | 1 | |

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|-------|------------|---------|--------------------------|---------|-----|--------------------|------------------------------------------------------------------------------|----------|------------|------------------------------------------------|-------------------------|--------------------|-----------------------|----------|-----|
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| | | | | | | | | | | | of Control | Control | | | |
| | | | | | | | | | | | (Ownership, | is | | ls an | |
| | | | | | | Name of Securities | | | Relation- | | Board, | Owner- | | SCA | |
| | | | | | | Exchange | | Domi- | ship | | Management, | ship | | Filing | |
| | | NAIC | | | | if Publicly Traded | Names of | ciliary | to | | Attorney-in-Fact, | Provide | | Re- | |
| Group | | Company | ID | Federal | | (U.S. or | Parent, Subsidiaries | Loca- | Reporting | Directly Controlled by | Influence, | Percen- | Ultimate Controlling | quired? | |
| Code | Group Name | Code | Number | RSSD | CIK | International) | Or Affiliates | tion | Entity | (Name of Entity/Person) | Other) | tage | Entity(ies)/Person(s) | (Yes/No) |) * |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 56-2630592 | | | | Cornerstone Fort Pierce Development LLC | DE | NIA | Company | Ownership | | | | |
| 0000 | | | 56-2630592 | | | | Cornerstone Fort Pierce Development LLC | DE | NIA | C.M. Life Insurance Company | Ownership | | C | | |
| 0000 | | | 15 0000040 | | | | | | | Massachusetts Mutual Life Insurance | | 400,000 | | | |
| 0000 | | | 45-2632610 45-2632610 | | | | Cornerstone Permanent Mortgage Fund | MA MA | NIA NIA | Company Barings LLC | Ownership Management | | | | |
| | | | 40-2032010 | | | | Cornerstone Permanent Mortgage Fund | MA | NIA | Massachusetts Mutual Life Insurance | management | MMLI | 6 | | |
| 0000 | | | 61-1750537 | | | | Cornerstone Permanent Mortgage Fund II | MA | NIA | Company | Ownership. | | c | | |
| 0000 | | | 61-1750537 | | | | Cornerstone Permanent Mortgage Fund II | MA | NIA. | Barings LLC | Management. | | | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | 61-1793735 | | | | Cornerstone Permanent Mortgage Fund IV | MA | NIA | Company | Ownership | | C | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 20-0348173 | | | | CREA/PPC Venture LLC | DE | NIA | Company | Ownership | | C | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | _ | | |
| 0000 | | | 82-2783393 | | | | Danville Riverwalk Venture, LLC | DE | NIA | Company | Ownership | | С | | |
| 0000 | | | 04 4500050 | | | | | DE | | Massachusetts Mutual Life Insurance | | 50.000 | 2 | | |
| 0000 | | | 04-1590850 | | | | Euro Real Estate Holdings LLC | DE | NIA | Company Massachusetts Mutual Life Insurance | Ownership | | С | | |
| | | | 20-3347091 | | | | Fan Pier Development LLC | DE | NIA | Massachusetts Mutual Life Insurance Company | Ownership | | c | | 1 |
| | | | 20-3347091 | | | | Fan Pier Development LLC | DE | NIA NIA | C.M. Life Insurance Company | Ownership | | | | |
| | | | 20 004/001 | | | | | | | Massachusetts Mutual Life Insurance | omorontp | | • | | |
| 0000 | | | 04-1590850 | | | | GIA EU Holdings LLC | DE | NIA | Company | Ownership | | с | | |
| | | | | | | | - | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 81-5360103 | | | | Landmark Manchester Holdings LLC | DE | NIA | Company | Ownership | | с | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 04-1590850 | | | | MM Brookhaven Member LLC | DE | NIA | Company | Ownership | | C | | |
| 0000 | | | 04 4500050 | | | | | DE | | Massachusetts Mutual Life Insurance | | 05 000 | | | |
| 0000 | | | 04-1590850 | | | | MM East South Crossing Member LLC | DE | NIA | Company Massachusetts Mutual Life Insurance | Ownership | | С | | |
| 0000 | | | 04-1590850 | | | | MM Horizon Savannah Member LLC | DE | NIA | Massachusetts Mutual Life Insurance Company | Ownership | 88.700 MMLI | <u>_</u> | | |
| | | | 04-1590850 | | | | MM Horizon Savannah Member LLC | DE | NIA | C.M. Life Insurance Company | Ownership | | | | |
| 0000 | | | 04-1590850 | | | | MM National Self-Storage Program Member LLC | DE | NIA | C.M. Life Insurance Company | Ownership | 98.000MML1 | | | |
| | | | 04-1590850 | | | | MM 1400 E 4th Street Member LLC | DE | NIA | C.M. Life Insurance Company | Ownership | | | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 80-0948028 | | | | One Harbor Shore LLC | DE | NIA | Company | Ownership | | | | |
| 0000 | | | 80-0948028 | | | | One Harbor Shore LLC | DE | NIA | C.M. Life Insurance Company | Ownership | <u>6</u> .000 MMLI | C | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 04-1590850 | | | | PACO France Logistics LLC | DE | NIA | Company Massachusetts Mutual Life Insurance | Ownership | 100.000 MMLI | C | | |
| | | | 82-3393166 | | | | Portland 400 Sixth Manager 110 | DE | NIA | Massachusetts Mutual Life Insurance Company | Ownership | | 6 | | 1 |
| | | | 02-3393 100 | | | | Portland 400 Sixth Manager LLC Salomon Brothers Commercial Mortgage Trust | VE | INTA | oumpany | owner stilp | | · | | |
| | | | | | | | 2001-MM | DE | NIA | Barings Real Estate Advisers LLC | Influence | MMLI | C | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | ····· | • | | |
| | | | 27-2977720 | | | | Sawgrass Village Shopping Center LLC | DE | NIA | Company | Ownership | | с | | |
| 0000 | | | 27-2977720 | | | | Sawgrass Village Shopping Center LLC | DE | NIA | C.M. Life Insurance Company | Ownership | | | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | 1 |
| 0000 | | | | | | | STOA Holding LLC | DE | NIA | Company | Ownership | | C | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 81-5273574 | | | | Three PW Office Holding LLC | DE | NIA | Company | Ownership | | с | | |
| 0000 | | | 35-2484550 | | | | Twenty Two Liberty LLC | MA | NI A | Massachusetts Mutual Life Insurance | Ownership | | 6 | | |
| 0000 | | | 35-2484550 | | | | Twenty Two Liberty LLC Twenty Two Liberty LLC | MA | NIA | Company C.M. Life Insurance Company | Ownership Ownership | | | | |
| | | | 00-2404000 | | | | INGILY INU LIDELLY LLU | | INTA | Massachusetts Mutual Life Insurance | omici 2006 | | v | | |
| | | | 82-3250684 | | | | Unna. Dortmund Holding LLC | DE | NIA | Company | Ownership. | | C | | 1 |
| | | | JE ULUUUU4 | | | | vinia, por tilluna noranny LLV | | | oompuny | | | v | | |

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| | | | | | | | | | | | of Control | Control | | | |
| | | | | | | | | | | | (Ownership, | is | | ls an | |
| | | | | | | Name of Securities | | | Relation- | | Board, | Owner- | | SCA | |
| | | | | | | Exchange | | Domi- | ship | | Management, | ship | | Filing | |
| | | NAIO | | | | | Names of | | | | | | | | |
| ~ | | NAIC | | | | if Publicly Traded | Names of | ciliary | to | | Attorney-in-Fact, | Provide | | Re- | |
| Group | - ·· | Company | ID | Federal | | (U.S. or | Parent, Subsidiaries | Loca- | Reporting | Directly Controlled by | Influence, | Percen- | Ultimate Controlling | quired? | |
| Code | Group Name | Code | Number | RSSD | CIK | International) | Or Affiliates | tion | Entity | (Name of Entity/Person) | Other) | tage | Entity(ies)/Person(s) | (Yes/No) | * |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 45-5401109 | | | | Washington Gateway Apartments Venture LLC | DE | NIA | Company | Ownership | | MMLIC | | |
| 0000 | | | 45-5401109 | | | | Washington Gateway Apartments Venture LLC | DE | NIA | C.M. Life Insurance Company | Ownership | | MMLIC | | |
| 0000 | | | 51-0529328 | | 0000927972 | | | | NIA | Massachusetts Mutual Life Insurance | a | 90,400 | MMLIC | | |
| 0000 | | | 51-0529328 | | 000092/9/2 | 00 | MassMutual Premier Main Street Fund | MA | NIA | Company | Ownership | | MML10 | | |
| 0000 | | | 26-3229251 | | 0000927972 | 00 | MassMutual Premier Strategic Emerging Markets Fund | MA | NIA | Massachusetts Mutual Life Insurance Company | Ownership | 27.400 | MMLIC | | |
| | | | 20-3229231 | | 000092/9/2 | 04 | | MA | NIA | Massachusetts Mutual Life Insurance | owner snip | | MWL10 | | |
| 0000 | | | 04-3512593 | | 0000916053 | 00 | MassMutual Select Fundamental Growth Fund | MA | NIA | Company | Ownership | | MMLIC | | |
| | | | 04-0012090 | | 0000910055 | 04 | | MA | | Massachusetts Mutual Life Insurance | ownership | | MWLIC | | ••••• |
| 0000 | | | 42-1710935 | | 0000916053 | 00 | MassMutual Select Mid-Cap Value Fund | MA | NIA | Company | Ownership | 24.700 | MMLIC | | |
| | | | +2 ° 17 10303 | | | | MassMutual Select Small Capital Value Equity | | | Massachusetts Mutual Life Insurance | owner antp | | | | |
| 0000 | | | 02-0769954 | | 0000916053 | 00 | Fund | MA | NIA | Company | Influence. | 0.000 | MMLIC | | |
| | | | 02-0703334 | | 0000310033 | 04 | | | | Massachusetts Mutual Life Insurance | IIII Idence | | MMETC | | |
| 0000 | | | 04-3584140 | | 0000916053 | 00 | MassMutual Select Small Company Value Fund | MA | NIA | Company | Ownership | | MILIC | | |
| | | | 04 0004 140 | | 0000010000 | VV | MassMutual Select T. Rowe Price Retirement | | | Massachusetts Mutual Life Insurance | owner amp | | | | |
| 0000 | | | 82-3347422 | | 0000916053 | 00 | 2005 Fund | MA | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | MassMutual Select T. Rowe Price Retirement | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 82-3355639 | | 0000916053 | 00 | 2010 Fund | MA | NIA | Company | Influence | | MMLIC | | |
| | | | | | | | MassMutual Select T. Rowe Price Retirement | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 82-3382389 | | 0000916053 | 00 | 2015 Fund | MA | NIA | Company | Influence | | WILIC | | |
| | | | | | | | MassMutual Select T. Rowe Price Retirement | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 82-3396442 | | 0000916053 | 0Q | 2020 Fund | MA | NIA | Company | Influence | | MMLIC | | |
| | | | | | | | MassMutual Select T. Rowe Price Retirement | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 82-3417420 | | 0000916053 | 0Q | 2025 Fund | MA | NIA | Company | Influence | | MMLIC | | |
| | | | | | | | MassMutual Select T. Rowe Price Retirement | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 82-3430358 | | 0000916053 | 0Q | 2030 Fund | MA | NIA | Company | Influence | | MMLIC | | |
| | | | | | | | MassMutual Select T. Rowe Price Retirement | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 82-3439837 | | 0000916053 | 0Q | 2035 Fund | MA | NIA | Company | Influence | | MMLIC | | |
| | | | | | | | MassMutual Select T. Rowe Price Retirement | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 82-3451779 | | 0000916053 | 0Q | 2040 Fund | MA | NIA | Company | Influence | 0.000 | MMLIC | | |
| 0000 | | | 00.0470005 | | 0000040050 | | MassMutual Select T. Rowe Price Retirement | | | Massachusetts Mutual Life Insurance | | 0.000 | | | |
| 0000 | | | 82-3472295 | | 0000916053 | UU | 2045 Fund | MA | NIA | Company | Influence | 0.000 | MMLIC | | |
| 0000 | | | 00 0401715 | | 0000010050 | 00 | MassMutual Select T. Rowe Price Retirement | | NU A | Massachusetts Mutual Life Insurance | la fluine e | 0.000 | | | |
| 0000 | | | 82-3481715 | | 0000916053 | UV | 2050 Fund MassMutual Select T. Rowe Price Retirement | MA | NIA | Company Massachusetts Mutual Life Insurance | Influence | 0.000 | MMLIC | | |
| | | | 00 0500011 | | 0000916053 | 00 | 2055 Fund | МА | NIA | | Influence | 0.000 | MILIC | | |
| | | | 82-3502011 | | 00003 | UV | MassMutual Select T. Rowe Price Retirement | MA | NTA | Company Massachusetts Mutual Life Insurance | minuence | | | | |
| 0000 | | | 82-3525148 | | 0000916053 | 00 | 2060 Fund | MA | NIA | Massachusetts Mutual Life Insurance Company | Influence | 0.000 | MMLIC | | |
| | | | 02-0020140 | | 0000910003 | UV | MassMutual Select T. Rowe Price Retirement | m. | NIA | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 82-3533944 | | 0000916053 | 00 | Balanced Fund | MA | NIA | Company | Influence | 0.000 | MMLIC | | |
| | | | 52 0000344 | | | · · · · · · · · · · · · · · · · · · · | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 46-4257056 | | | | MML Series International Equity Fund | MA | NIA | Company | Influence | 0.000 | MMLIC | | |
| | | | | | | | and correct international Equity rulid | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | 47-3517233 | | | | MML Series II Asset Momentum Fund | MA | NIA | Company | Ownership. | 100.000 | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 47-3529636 | | | | MML Series II Dynamic Bond Fund | MA | NIA | Company | Influence | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 47-3544629 | | | | MML Series II Equity Rotation Fund | MA | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 47-3559064 | | | | MML Series II Special Situations Fund | MA | NIA | Company | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 27-1933389 | ····· | 0000916053 | 0Q | MassMutual RetireSMART 2035 Fund | MA | NIA | Company | Ownership | 2.800 | MMLIC | | |
| | | | • | • | • | | | | | | | | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------|--------------|---------|------------|---------|-------------|--------------------|-------------------------------------------|---------|-----------|------------------------------------------------|-------------------|---------|-----------------------|----------|-------|
| | | | | | | | | | | | Туре | lf | | | |
| | | | | | | | | | | | of Control | Control | | | |
| | | | | | | | | | | | (Ownership, | is | | ls an | |
| | | | | | | Name of Securities | | | Relation- | | Board, | Owner- | | SCA | |
| | | | | | | Exchange | | Domi- | ship | | Management, | ship | | Filing | |
| | | NAIC | | | | if Publicly Traded | Names of | ciliary | to | | Attorney-in-Fact, | Provide | | Re- | |
| Gro | ip . | Company | ID | Federal | | (U.S. or | Parent, Subsidiaries | Loca- | Reporting | Directly Controlled by | Influence, | Percen- | Ultimate Controlling | quired? | |
| Coc | e Group Name | Code | Number | RSSD | CIK | International) | Or Affiliates | tion | Entity | (Name of Entity/Person) | Other) | tage | Entity(ies)/Person(s) | (Yes/No) | * |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 27-1932769 | | 0000916053 | . OQ | MassMutual RetireSMART 2045 Fund | MA | | Company | Ownership | 6.200 | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| | | | 46-3289207 | | 0000916053 | . 00 | MassMutual RetireSMART 2055 Fund | MA | NIA | Company Massachusetts Mutual Life Insurance | Ownership | 23.600 | MMLIC | | |
| 0000 | | | 47-5326235 | | 0000916053 | 00 | MassMutual RetireSMART 2060 Fund | MA | | Company | Ownership. | 49.700 | MILIC | | |
| | | | 47-5526255 | | 00003100000 | | | พก | | Massachusetts Mutual Life Insurance | owner simp | | WWLTC | | |
| 0000 | | | 45-1618155 | | 0000916053 | 00 | MassMutual 20/80 Allocation Fund | MA | NIA | Company | Influence. | 0.000 | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 45-1618222 | | 0000916053 | . OQ | MassMutual 80/20 Allocation Fund | MA | | Company | Ownership | | MMLIC | | |
| | | | | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 03-0532464 | | 0000916053 | . OQ | MassMutual RetireSMART In Retirement Fund | MA | NIA | Company | Ownership | 2.100 | MMLIC | | |
| | | | 15 1010000 | | | | | | | Massachusetts Mutual Life Insurance | | | | | |
| 0000 | | | 45-1618262 | | 0000916053 | | MassMutual 40/60 Allocation Fund | MA | | Company | Influence | 0.000 | MMLIC | | |
| 0000 | | | 45-1618046 | | 0000916053 | 00 | MassMutual 60/40 Allocation Fund | МА | NIA | Massachusetts Mutual Life Insurance | Ownership | 86.500 | MM IC | | |
| | | | 40-1010040 | | 0000910000 | | massmutual 00/40 Allocation Fund | mA | INTA | company | owner sinp | | | | ••••• |

| Asterisk | Explanation |
|----------|---------------------------------------------------------------------------------------------------------|
| 1 | Massachusetts Mutual Life Insurance Company owns 14.23% of the affiliated debt of Jefferies Finance LLC |
| 2 | Debt investors own 9.6% and includes only Babson Capital Loan Strategies Fund, L.P. |
| 3 | Debt investors own .5% and includes only Great Lakes III, L.P. |
| 4 | Debt investors own .2% and includes only Great Lakes III, L.P. |
| | |

SUPPLEMENTAL EXHIBITS AND SCHEDULES INTERROGATORIES

The following supplemental reports are required to be filed as part of your statement filing. However, in the event that your company does not transact the type of business for which the special report must be filed, your response of NO to the specific interrogatory will be accepted in lieu of filing a "NONE" report and a bar code will be printed below. If the supplement is required of your company but is not being filed for whatever reason enter SEE EXPLANATION and provide an explanation following the interrogatory questions.

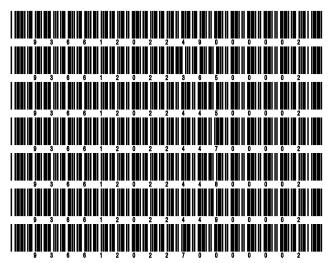
| | | Response |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| | | |
| 1. | Will the Trusteed Surplus Statement be filed with the state of domicile and the NAIC with this statement? | NO |
| 2. | Will the Medicare Part D Coverage Supplement be filed with the state of domicile and the NAIC with this statement? | NO |
| 3. | Will the Reasonableness of Assumptions Certification required by Actuarial Guideline XXXV be filed with the state of domicile and electronically with the NAIC? | NO |
| 4. | Will the Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXV be filed with the state of domicile and electronically with the NAIC? | YES |
| 5. | Will the Reasonableness of Assumptions Certification for Implied Guaranteed Rate Method required by Actuarial Guideline XXXVI be filed with the state of domicile and electronically with the NAIC? | NO |
| 6. | Will the Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI (Updated Average Market Value) be filed with the state of domicile and electronically with the NAIC? | NO |
| 7. | Will the Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI (Updated Market Value) be filed with the state of domicile and electronically with the NAIC? | NO |
| 8. | Will the Life PBR Statement of Exemption be filed with the state of domicile by July 1st and electronically with the NAIC with the second quarterly filing per the Valuation Manual (by August 15)? (2nd Quarter Only) The response for 1st and 3rd quarters should be N/A. A NO response resulting with a bar code is only appropriate in the 2nd quarter. | NO |
| | AUGUST FILING | |
| 9. | Will the regulator-only (non-public) Communication of Internal Control Related Matters Noted in Audit be filed with the state of domicile and electronically with the NAIC (as a regulator-only non-public document) by August 1? The response for 1st and 3rd quarters should be N/A. A NO response resulting with a bar code is only appropriate in the 2nd quarter. | YES |

Explanation:

- 1. The data for this supplement is not required to be filed.
- 2. The data for this supplement is not required to be filed.
- 3. The data for this supplement is not required to be filed.
- 5. The data for this supplement is not required to be filed.
- 6. The data for this supplement is not required to be filed.
- 7. The data for this supplement is not required to be filed.
- 8. The data for this supplement is not required to be filed.

Bar Code:

- 1. Trusteed Surplus Statement [Document Identifier 490]
- 2. Medicare Part D Coverage Supplement [Document Identifier 365]
- 3. Reasonableness of Assumptions Certification required by Actuarial Guideline XXXV [Document Identifier 445]
- Reasonableness of Assumptions Certification for Implied Guaranteed Rate Method required by Actuarial Guideline XXXVI [Document Identifier 447]
- 6. Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI [Document Identifier 448]
- Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI (Updated Market Value) [Document Identifier 449]
- 8. Life PBR Statement of Exemption (2nd Quarter Only) [Document Identifier 700]



STATEMENT AS OF JUNE 30, 2022 OF THE ANNUITY INVESTORS LIFE INSURANCE COMPANY **OVERFLOW PAGE FOR WRITE-INS**

| Addition | al Write-ins for Assets Line 25 | | | | |
|----------|---------------------------------------------------------------|--------|------------------------|---------------------|-----------------|
| | | | Current Statement Date | • | 4 |
| | | 1 | 2 | 3 | December 31 |
| | | | | Net Admitted Assets | Prior Year Net |
| | | Assets | Nonadmitted Assets | (Cols. 1 - 2) | Admitted Assets |
| 2504. | Funds held as collateral | 0 | 0 | 0 | |
| 2597. | Summary of remaining write-ins for Line 25 from overflow page | 0 | 0 | 0 | 2,040,000 |
| | | | • | • | • |

| Additional Write-ins for Summary of Operations Line 8.3 | | | |
|------------------------------------------------------------------------|--------------|------------|------------------|
| | 1 | 2 | 3 |
| | Current Year | Prior Year | Prior Year Ended |
| | To Date | To Date | December 31 |
| 08.304. Miscellaneous income | | | (21,726) |
| 08.397. Summary of remaining write-ins for Line 8.3 from overflow page | 25 | 25 | (21,726) |

SCHEDULE A - VERIFICATION Real Estate

| | | 1 | 2 Prior Year Ended |
|-----|--------------------------------------------------------------------------------------------------|--------------|-----------------------|
| | | Year to Date | December 31 |
| 1. | Book/adjusted carrying value, December 31 of prior year | | |
| 2. | Cost of acquired: | | |
| | 2.1 Actual cost at time of acquisition | | |
| | 2.2 Additional investment made after acquisition | | |
| 3. | Current year change in encumbrances | | |
| 4. | Total gain (loss) on disposals | | |
| 5. | Deduct amounts received on disposals | | |
| 6. | Total foreign exchange change in book/adjusted arying and an | | |
| 7. | Deduct current year's other than temporary impainment receptized | | |
| 8. | Deduct current year's depreciation | | |
| 9. | Book/adjusted carrying value at the end of current period (Lines 1+2+3+4-5+6-7-8) | | |
| 10. | Deduct total nonadmitted amounts | | |
| 11. | Statement value at end of current period (Line 9 minus Line 10) | | |

SCHEDULE B - VERIFICATION

| | | 1 | 2 |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|
| | | Veente Dete | Prior Year Ended |
| | | Year to Date | December 31 |
| 1. | Book value/recorded investment excluding accrued interest, December 31 of prior year | | |
| 2. | Cost of acquired: | | |
| | 2.1 Actual cost at time of acquisition | | |
| | 2.2 Additional investment made after acquisition | | |
| 3. | Capitalized deferred interest and other | | |
| 4. | Accrual of discount | | |
| 5. | Unrealized valuation increase (decrease) | | |
| 6. | Total gain (loss) on disposals | | |
| 7. | Deduct amounts received on disposals | | |
| 8. | Deduct amortization of premium and mortgage in test premium and monitor weiting meets and the second s | | |
| 9. | Total foreign exchange change in book value/recurred inversion exchange corrected terest in the second s | | |
| 10. | Deduct current year's other than temporary impairment recognized | | |
| 11. | Book value/recorded investment excluding accrued interest at end of current period (Lines 1+2+3+4+5+6-7-8+9-10) | | |
| 12. | Total valuation allowance | | |
| 13. | Subtotal (Line 11 plus Line 12) | | |
| 14. | Deduct total nonadmitted amounts | | |
| 15. | Statement value at end of current period (Line 13 minus Line 14) | | |

SCHEDULE BA - VERIFICATION

| | <u>,</u> | 1 | 2 |
|-----|-----------------------------------------------------------------------------------------|--------------|------------------|
| | | | Prior Year Ended |
| | | Year to Date | December 31 |
| 1. | Book/adjusted carrying value, December 31 of prior year | | |
| 2. | Cost of acquired: | | |
| | 2.1 Actual cost at time of acquisition | | 0 |
| | 2.2 Additional investment made after acquisition | | 0 |
| 3. | Capitalized deferred interest and other | | 0 |
| 4. | Accrual of discount | | 0 |
| 5. | Unrealized valuation increase (decrease) | | 0 |
| 6. | Total gain (loss) on disposals | | 0 |
| 7. | Deduct amounts received on disposals Deduct amortization of premium and depreciation | | 0 |
| 8. | Deduct amortization of premium and depreciation | | |
| 9. | Total foreign exchange change in book/adjusted carrying value | | 0 |
| 10. | Deduct current year's other than temporary impairment recognized | | 0 |
| 11. | Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5+6-7-8+9-10) | | |
| 12. | Deduct total nonadmitted amounts | | |
| 13. | Statement value at end of current period (Line 11 minus Line 12) | 18,254,408 | 18,374,319 |

SCHEDULE D - VERIFICATION

Bonds and Stocks

| | | 1 | 2 |
|-----|-------------------------------------------------------------------------------------------------|---------------|------------------|
| | | | Prior Year Ended |
| | | Year to Date | December 31 |
| 1. | Book/adjusted carrying value of bonds and stocks, December 31 of prior year | 2,196,456,865 | 2,366,835,759 |
| 2. | Cost of bonds and stocks acquired | | |
| 3. | Accrual of discount | 2,563,587 | 4,436,274 |
| 4. | Unrealized valuation increase (decrease) | (199,112) | |
| 5. | Total gain (loss) on disposals | | |
| 6. | Deduct consideration for bonds and stocks disposed of | | |
| 7. | Deduct amortization of premium | 2,394,234 | 2, 136, 290 |
| 8. | Total foreign exchange change in book/adjusted carrying value | 0 | |
| 9. | Deduct current year's other than temporary impairment recognized | | |
| 10. | Total investment income recognized as a result of prepayment penalties and/or acceleration fees | | |
| 11. | Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9+10) | | 2, 196, 456, 865 |
| 12. | Deduct total nonadmitted amounts | • | |
| 13. | Statement value at end of current period (Line 11 minus Line 12) | 2,292,030,587 | 2,196,456,865 |

SCHEDULE D - PART 1B

Showing the Acquisitions, Dispositions and Non-Trading Activity During the Current Quarter for all Bonds and Preferred Stock by NAIC Designation

| During the Current Quarter for all Bonds and Preferred Stock by NAIC Designation | | | | | | | 8 | |
|----------------------------------------------------------------------------------|--------------------|-----------------|-----------------|----------------------|--------------------|--------------------|--------------------|--------------------|
| | Book/Adjusted | 2 | 3 | 4 | 5 Book/Adjusted | ہ Book/Adjusted | / Book/Adjusted | 8 Book/Adjusted |
| | Carrying Value | Acquisitions | Dispositions | Non-Trading Activity | Carrying Value | Carrying Value | Carrying Value | Carrying Value |
| | Beginning | During | During | During | End of | End of | End of | December 31 |
| NAIC Designation | of Current Quarter | Current Quarter | Current Quarter | Current Quarter | First Quarter | Second Quarter | Third Quarter | Prior Year |
| BONDS | | | | | | | | |
| 1. NAIC 1 (a) | 1,289,329,442 | | 226,960,615 | | 1,289,329,442 | 1,292,796,850 | 0 | 1,414,465,576 |
| 2. NAIC 2 (a) | 1, 104, 575, 498 | | 744,518,081 | | 1, 104, 575, 498 | 1,091,159,762 | 0 | |
| 3. NAIC 3 (a) | | (440) | 1,368,331 | (3,464,169) | | | 0 | |
| 4. NAIC 4 (a) | | 0 | 131,434 | (1,215,454) | | 8,658,646 | 0 | 9,910,761 |
| 5. NAIC 5 (a) | | 0 | 0 | (615,840) | | (296,164) | 0 | 1,119,332 |
| 6. NAIC 6 (a) | | 0 | 0 | (837,709) | 135,443 | (702,266) | 0 | 882,226 |
| 7. Total Bonds | 2,425,291,845 | 947,340,235 | 972,978,461 | 8,056,521 | 2,425,291,845 | 2,407,710,140 | 0 | 2,337,874,304 |
| PREFERRED STOCK | | | | | | | | |
| 8. NAIC 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 9. NAIC 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 10. NAIC 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 11. NAIC 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 12. NAIC 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 13. NAIC 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 14. Total Preferred Stock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,307,314 |
| 15. Total Bonds and Preferred Stock | 2,425,291,845 | 947,340,235 | 972,978,461 | 8,056,521 | 2,425,291,845 | 2,407,710,140 | 0 | 2,345,181,617 |

(a) Book/Adjusted Carrying Value column for the end of the current reporting period includes the following amount of short-term and cash equivalent bonds by NAIC designation:

SCHEDULE DA - PART 1

| Short-Term Investments | | | | | |
|------------------------|---------------------------------|-----------|-------------|------------------------------------|----------------------------------------------|
| | 1 | 2 | 3 | 4 | 5 |
| | Book/Adjusted Carrying Value | Par Value | Actual Cost | Interest Collected Year-to-Date | Paid for Accrued Interest Year-to-Date |
| 7709999999 Totals | 9,991,456 | XXX | 9,961,572 | 0 | 0 |

SCHEDULE DA - VERIFICATION Short-Term Investments

| | | 1 | 2 |
|-----|---------------------------------------------------------------------------------|--------------|---------------------------------|
| | | Year To Date | Prior Year Ended December 31 |
| 1. | Book/adjusted carrying value, December 31 of prior year | | 2,999,997 |
| 2. | Cost of short-term investments acquired | 0 | 103,879,303 |
| 3. | Accrual of discount | | |
| 4. | Unrealized valuation increase (decrease) | 0 | |
| 5. | Total gain (loss) on disposals | | 44 |
| 6. | Deduct consideration received on disposals | | 51,999,947 |
| 7. | Deduct amortization of premium | 0 | |
| 8. | Total foreign exchange change in book/adjusted carrying value | 0 | |
| 9. | Deduct current year's other than temporary impairment recognized | 0 | |
| 10. | Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9) | 9,991,456 | |
| 11. | Deduct total nonadmitted amounts | 0 | |
| 12. | Statement value at end of current period (Line 10 minus Line 11) | 9,991,456 | 54,921,906 |

SCHEDULE DB - PART A - VERIFICATION

Options, Caps, Floors, Collars, Swaps and Forwards

| 1. | Book/Adjusted Carrying Value, December 31, prior year (Line 10, prior year) | |
|-----|---------------------------------------------------------------------------------|--------------|
| 2. | Cost Paid/(Consideration Received) on additions | (795,417) |
| 3. | Unrealized Valuation increase/(decrease) | (11,112,062) |
| 4. | SSAP No. 108 adjustments | |
| 5. | Total gain (loss) on termination recognized | |
| 6. | Considerations received/(paid) on terminations | 1,902,580 |
| 7. | Amortization | (5,332,855) |
| 8. | Adjustment to the Book/Adjusted Carrying Value of hedged item | |
| 9. | Total foreign exchange change in Book/Adjusted Carrying Value | |
| 10. | Book/Adjusted Carrying Value at End of Current Period (Lines 1+2+3+4+5-6+7+8+9) | 5,006,153 |
| 11. | Deduct nonadmitted assets | |
| 12. | Statement value at end of current period (Line 10 minus Line 11) | 5,006,153 |
| | | |

SCHEDULE DB - PART B - VERIFICATION

Futures Contracts

1. Book/Adjusted carrying value, December 31 of prior year (Line 6, prior year)....

2. Cumulative cash change (Section 1, Broker Name/Net Cash Deposits Footnote - Cumulative Cash Change column) ...

3.1 Add:

Change in variation margin on open contracts - Highly Effective Hedges

- 3.11 Section 1, Column 15, current year to date minus
- 3.12 Section 1, Column 15, prior year ...
 - Change in variation margin on open contracts All Other

3.13 Section 1, Column 18, current year to date minus

3.14 Section 1, Column 18, prior year ...

3.2 Add:

Change in adjustment to basis of hedged item

3.21 Section 1, Column 17, current year to date minus

3.22 Section 1, Column 17, prior year

Change in amount recognized

- 3.23 Section 1, Column 19, current year to date n
- 3.24 Section 1, Column 19, prior year plus

3.25 SSAP No. 108 adjustments ..

- 3.3 Subtotal (Line 3.1 minus Line 3.2)
- 4.1 Cumulative variation margin on terminated contracts during the year

4.2 Less:

| | 4.21 Amount used to adjust basis of hedged item |
|-----|---------------------------------------------------------------------------------------|
| | 4.22 Amount recognized |
| | 4.23 SSAP No. 108 adjustments |
| 4.3 | Subtotal (Line 4.1 minus Line 4.2) |
| 5. | Dispositions gains (losses) on contracts terminated in prior year: |
| | 5.1 Total gain (loss) recognized for terminations in prior year |
| | 5.2 Total gain (loss) adjusted into the hedged item(s) for terminations in prior year |
| 6. | Book/Adjusted carrying value at end of current period (Lines 1+2+3.3-4.3-5.1-5.2) |
| 7. | Deduct total nonadmitted amounts |

.....

NF

8. Statement value at end of current period (Line 6 minus Line 7)

Schedule DB - Part C - Section 1 - Replication (Synthetic Asset) Transactions (RSATs) Open ${\color{black}{N \mbox{ O } N \mbox{ E }}}$

Schedule DB-Part C-Section 2-Reconciliation of Replication (Synthetic Asset) Transactions Open **NONE**

SCHEDULE DB - VERIFICATION

Verification of Book/Adjusted Carrying Value, Fair Value and Potential Exposure of all Open Derivative Contracts

| | | Book/Adjusted Carrying | g Value Check |
|-----------|------------------------------------------------------------------------------------------|------------------------|---------------|
| 1. | Part A, Section 1, Column 14 | 5,006,122 | |
| 2. | Part B, Section 1, Column 15 plus Part B, Section 1 Footnote - Total Ending Cash Balance | 0 | |
| 3. | Total (Line 1 plus Line 2) | | 5,006,122 |
| 4. | Part D, Section 1, Column 6 | 5,006,122 | |
| 5. | Part D, Section 1, Column 7 | 0 | |
| 6. | Total (Line 3 minus Line 4 minus Line 5) | | 0 |
| | | Fair Value Cl | aak |
| 7 | Dart A. Sastian 1. Column 10 | | IECK |
| 7. 8. | Part A, Section 1, Column 16 | | |
| 0. 9. | Total (Line 7 plus Line 8) | | |
| 3. 10. | Part D, Section 1, Column 9 | | |
| 10. | Part D, Section 1, Column 10 | | |
| 12 | Total (Line 9 minus Line 10 minus Line 11) | | (2,753,564) |
| | | | |
| | | Potential Exposu | e Check |
| 13. | Part A, Section 1, Column 21 | 0 | |
| 14. | Part B, Section 1, Column 20 | | |
| 15. | Part D, Section 1, Column 12 | 0 | |
| 16. | Total (Line 13 plus Line 14 minus Line 15) | | 0 |

SCHEDULE E - PART 2 - VERIFICATION (Cash Equivalents)

| | | 1 | 2 |
|-----|---------------------------------------------------------------------------------|---------------|---------------------------------|
| | | Year To Date | Prior Year Ended December 31 |
| 1. | Book/adjusted carrying value, December 31 of prior year | | |
| 2. | Cost of cash equivalents acquired | 1,618,207,679 | |
| 3. | Accrual of discount | | |
| 4. | Unrealized valuation increase (decrease) | 0 | |
| 5. | Total gain (loss) on disposals | (192) | 46 |
| 6. | Deduct consideration received on disposals | 1,682,142,868 | |
| 7. | Deduct amortization of premium | 0 | |
| 8. | Total foreign exchange change in book/adjusted carrying value | 0 | |
| 9. | Deduct current year's other than temporary impairment recognized | 0 | |
| 10. | Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9) | | |
| 11. | Deduct total nonadmitted amounts | 0 | |
| 12. | Statement value at end of current period (Line 10 minus Line 11) | 99,690,609 | 163,246,612 |

Schedule A - Part 2 - Real Estate Acquired and Additions Made

ΝΟΝΕ

Schedule A - Part 3 - Real Estate Disposed **NONE**

Schedule B - Part 2 - Mortgage Loans Acquired and Additions Made **NONE**

Schedule B - Part 3 - Mortgage Loans Disposed, Transferred or Repaid **NONE**

Schedule BA - Part 2 - Other Long-Term Invested Assets Acquired and Additions Made **NONE**

Schedule BA - Part 3 - Other Long-Term Invested Assets Disposed, Transferred or Repaid

ΝΟΝΕ

SCHEDULE D - PART 3

Show All Long-Term Bonds and Stock Acquired During the Current Quarter

| | - | | | ong-renn bonds and Stock Acquired During the Current Quarter | | | | | |
|----------------------------|--------------------------------------------------------------------------------------|---------|--------------------------|--------------------------------------------------------------|---------------------------------|------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 NAIC Designation, NAIC Designation Modifier |
| CUSIP Identification | Description | Foreign | Date Acquired | Name of Vendor | Number of Shares of Stock | Actual Cost | Par Value | Paid for Accrued Interest and Dividends | and SVO Admini- strative Symbol |
| 07386X-AH-9 | Bear Stearns ALT-A Trust-BALTA 2007-1 21 | | | PAYUP | | 0 | | 0 | 1.D FM |
| 225458-L5-5 | Credit Suisse First Bost-CSFB 2005-7 1A1 | | | РАУUР | | (440) | (440) | 0 | 3.B FM |
| 472321-AH-1 | Jefferies Resecuritizati-JMAC 2008-R2 2A | | 04/01/2022 | PAYUP | | 0 | | 0 | 1.D FM |
| 472321-AK-4 | Jefferies Resecuritizati-JMAC 2008-R2 3A | | 04/01/2022 | РАУUР | | 0 | | 0 | 1.D FM |
| 525241-AL-9 | Lehman XS Trust 2007-1-LXS 2007-1 WF1 | | | PAYUP | | (3,902) | (3,816). | 0 | 1.D FM |
| 008511-AN-7 | AGL CLO 7 Ltd-AGL 2020-7A BR | D | 05/03/2022 | MITSUBISHI UFJ SEC I | | | | | 1.0 FE |
| 04017W-AE-2 | Ares LIV CLO Ltd-ARES 2019-54A B | D | 05/02/2022 | WELLS FARGO | | | | | 1.0 FE |
| 04019F-AE-7 | Ares LXV CLO Ltd-ARES 2022-65A B | μ | 04/27/2022 | GOLDMAN | | | | | 1.0 FE |
| | Bain Capital Credit CLO -BCC 2021-6A B | D | 04/26/2022 | RBC CAPITAL MARKETS | | | | | 1.0 FE 1.0 FE |
| 05876L-AE-3 09631R-AC-2 | Ballyrock CLO 17 Ltd-BALLY 2021-17A A2 | D | 06/09/2022 | RBC CAPITAL MARKETS | | | | | |
| | BlueMountain CLO XXXV Lt-BLUEM 2022-35A | D | 05/10/2022 | GULLMAN | | | | | 1.D Z |
| 12555Q-AS-5 12560E-AQ-9 | CIFC Funding 2020-I Ltd-CIFC 2020-1A BR CIFC Funding 2020-III Lt-CIFC 2020-3A BR | D | 05/12/2022 | BUFAMLSEC RBC CAPITAL MARKETS | | 1,494,168 1,471,125 | | | 1.0 FE 1.0 FE |
| 12560E-AQ-9 12572G-AC-1 | CIFC Funding 2020-111 LT-CIFC 2020-38 BH | D | 05/03/2022 | NDRGAN | | 1,4/1,125 | | | 1.0 FE 1.D Z |
| 13876N-AN-3 | Circ Funding Lld-Circ 2022-3A BI Canvon CLO 2020-2 Ltd-CANYC 2020-2A BR | D | 06/13/2022 | RBC CAPITAL MARKETS | | | 2,000,000 | | 1.0 Z |
| 13877J-AC-5 | Canyon CLU 2020-2 LTC-CANYC 2020-2A BH Canyon Capital CLO 2022CANYC 2022-1A B | D | 06/21/2022 05/24/2022 | RBC CAPITAL MARKETS | | 1, 191, 720 | 1.250.000 | | 1.0 FE |
| 13877P-AC-1 | CANYC-2021-4A B | D | 05/12/2022 | NDRGAN | | 1, 192, 188 | 1,250,000 | | 1.0 FE |
| 143111-AC-6 | CARLYLE GLOBAL MARKET ST-CGMS 2022-3A B | D | | NURGAN BARCLAYS CAPITAL INC | | | 2,000,000 | | 1.0 FE |
| 143122-AC-3 | CARLYLE GLUBAL MARKET ST-CGMS 2022-3A B CARLYLE US CLO 2021-11 L-CGMS 2021-11A B | D | 06/15/2022 05/09/2022 | MITSUBISHI UFJ SEC I | | | 1.395.000 | | 1.0 Z |
| 16409T-AE-9 | CARLILE US CLU 2021-11 L-COMS 2021-11 A B Chenango Park CLO Ltd-CHPRK 2018-1A A2 | D | 05/09/2022 | RBC CAPITAL MARKETS | | | 1,000,000 | | 1.0 FE |
| 27829P-AN-6 | Eaton Vance CLO 2020-2 L-EATON 2020-2A B | D | 04/28/2022 | NDU CAPTIAL MARKEIS | | | | | 1.0 FE |
| 27829P-AN-6 29001X-AC-9 | Earon vance GLO 2020-2 L-EARON 2020-2A B ELN17 2022-4A B-ELN17 2022-4A B | D | 06/22/2022 | RBC CAPITAL MARKETS | | | 1,000,000 | | 1.0 Z |
| 48254G-AC-0 | ELM17 2022-4A B-ELM17 2022-4A B KKR CLO 29 Ltd-KKR 29A B | D | 05/11/2022 04/28/2022 | RBC CAPITAL MARKETS | | | 1,000,000 | | 1.0 Z |
| 48255E-AC-4 | KKR FINANCIAL CLO LTD-KKR 42A B | D | 04/27/2022 | CITIGROUP GLOBAL MAR | | 2,000,000 | 2,000,000 | | 1.0 Z |
| 55821L-AC-8 | Madison Park Funding XXX-MDPK 2021-39A B | D | 04/27/2022 | RBC CAPITAL MARKETS | | | | | 1.0 Z |
| 64134M-AC-0 | Neuberger Berman Loan Ad-NEUB 2021-45A B | D | 04/21/2022 | NITSUBISHI UFJ SEC I | | | 2.000.000 | | 1.0 FE |
| 641340-AC-1 | Neuberger Berman Loan Ad-NEUB 2021-45A B Neuberger Berman Loan Ad-NEUB 2021-46A B | D | | WELLS FARGO | | | 1,000,000 | | 1.0 FE |
| 64135D-AC-9 | Neuberger Berman Loan Ad-NEUB 2021-40A B Neuberger Berman Loan Ad-NEUB 2022-47A B | D | 05/02/2022 | WELLS FARGO | | | 1,000,000 | | 1.0 FE |
| 64135J-AC-6 | Neuberger Berman Loan Ad-NEUB 2022-49A B | D | 05/03/2022 | CITIGROUP GLOBAL MAR | | | | , اعلى في المحلي محلي المحلي محلي المحلي محلي المحلي محلي المحلي محلي المحلي محلي محلي محلي محلي المحلي محلي محلي محلي محلي محلي محلي المحلي محلي محلي محلي محلي محلي محلي محلي | 1.D Z |
| 69701R-AQ-0 | Palmer Square CLO 2020-3-PLNRS 2020-3A A | D | | MITSUBISHI UFJ SEC I | | | 1.000.000 | ע רדם כ | 1.0 Z |
| 70470M-AE-5 | Parmer Square GLO 2020-3-PLWRS 2020-3A A Peace Park CLO Ltd-PCEPK 2021-1A B1 | D | 05/10/2022 | CITIGROUP GLOBAL MAR | | | | | 1.0 FE |
| 74980Q-AE-1 | ALM Ltd/KY-RRAM 2021-17A A2 | D | 03/10/2022 | MITSUBISHI UFJ SEC I | | | 1.000.000 | | 1.0 FE |
| 82670Q-AE-9 | Signal Peak CLO 9 Ltd-SPEAK 2021-9A B | D | | MITSUBISHI UFJ SEC I | | | 1,000,000 | | 1.0 FE |
| 92919D-AC-2 | Vova CLO 2021-3 Ltd-VOYA 2021-3A B | D | | MITSUBISHI UFJ SEC I | | | 1,000,000 | | 1.0 FE |
| | Subtotal - Bonds - Industrial and Miscellaneous (Unaffiliated) | J 2 | | minoustern ere VLV I | | 38.578.002 | 39.520.276 | 89.033 | XXX |
| | fotal - Bonds - Part 3 | | | | | 38,578,002 | 39,520,276 | 89,033 | XXX |
| | Total - Bonds - Part 5 | | | | | XXX | XXX | XXX | XXX |
| 25099999999. T | | | | | | 38.578.002 | 39.520.276 | 89.033 | XXX |
| | otal - Preferred Stocks - Part 3 | | | | | 0 | XXX | 0 | XXX |
| 4509999998. T | otal - Preferred Stocks - Part 5 | | | | | XXX | XXX | XXX | XXX |
| | otal - Preferred Stocks | | | | | 0 | XXX | 0 | XXX |
| 5989999997. T | otal - Common Stocks - Part 3 | | | | | 0 | XXX | 0 | XXX |
| 5989999998. T | otal - Common Stocks - Part 5 | | | | | XXX | XXX | XXX | XXX |
| 5989999999. T | otal - Common Stocks | | | | | 0 | XXX | 0 | XXX |
| 5999999999. T | otal - Preferred and Common Stocks | | | | | 0 | XXX | 0 | XXX |
| 6009999999 - | | | | | | 38.578.002 | XXX | 89.033 | |
| 0000000000000000 | | | | | | 00,070,002 | //// | 03,033 | //// |

SCHEDULE D - PART 4

| | | | | | | ing-renni De | | | | | Jispuscu u | n Duning t | | Quarter | | · | | | | | |
|--------------|------------------------------------------------------|---------------------|-------------|-----------------------|------------|--------------|-----------|-----------|------------|------------|--------------|------------|---------------------|-----------|-----------|-------------|-----------|------------|-----------|---------------|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Ch | nange In Boo | k/Adjusted | Carrying Val | lue | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| | _ | - | - | - | - | | - | - | | | 12 | | 1 1 | | | | | | | | NAIC |
| | | | | | | | | | | 11 | 12 | 13 | 14 | 15 | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | nation, |
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| | | | | | | | | | | | | | | | | | | | | | NAIC |
| | | | | | | | | | | | | | Total | Total | | | | | | | Desig- |
| | | | | | | | | | | | | _ | | | | | | | | | |
| | | | | | | | | | | | | Current | Change in | Foreign | | | | | Bond | | nation |
| | | | | | | | | | | | | Year's | Book/ | Exchange | Book/ | | | | Interest/ | | Modifier |
| | | | | | | | | | Dalas Vasa | | 0 | | | | | E a nationa | | | | 01-1-1 | |
| | | | | | | | | | Prior Year | | Current | Other Thar | n Adjusted | Change in | Adjusted | Foreign | | | Stock | Stated | and |
| | | | | | | | | | Book/ | Unrealized | Year's | Temporary | y Carrying | Book | Carrying | Exchange | Realized | | Dividends | Con- | SVO |
| CUSIP | | | | | Number of | | | | | | | | | | Value at | 0 | Gain | Total Gain | Received | tractual | Admini- |
| | | _ | | | | | | | Adjusted | Valuation | (Amor- | Impairmen | it Value | /Adjusted | | Gain | | | | | |
| Ident- | | For- | Disposal | Name | Shares of | Consid- | | Actual | Carrying | Increase/ | tization)/ | Recog- | (11 + 12 - | Carrying | Disposal | (Loss) on | (Loss) on | (Loss) on | During | Maturity | strative |
| ification | Description | eign | Date | of Purchaser | Stock | eration | Par Value | Cost | Value | (Decrease) | Accretion | nized | 13) | Value | Date | Disposal | Disposal | Disposal | Year | Date | Symbol |
| | 1 | eign | | | SIUCK | | | | | (Decrease) | | nizeu | | value | | | | Disposal | real | | |
| | Oregon School Boards Ass-GENERAL OBLIGAT | | 06/30/2022 | SINKING PAYMENT | | | | | | 0 | (18,258) | 0 | (18,258) | 0 | | 0 | 0 | 0 | 0 | .06/30/2028 | 1.C FE |
| 050000000 | 9. Subtotal - Bonds - U.S. States, Te | rritorie | and Pose | assions | | 316,486 | 316,486 | 350.173 | 334.744 | 0 | (18,258) | ٥ | (18,258) | 0 | 316.486 | 0 | ٥ | 0 | 0 | XXX | XXX |
| | | intone | | | 1 | | | | | 0 | | 0 | | 0 | | - | - | • | 0 | | |
| | HOUSTON TX-GENERAL OBLIGATION LTD | | 04/01/2022 | CALL 100 | | | | | | 0 | (184) | 0 | (184) | 0 | | 0 | (14,626) | (14,626) | | .03/01/2032 | 1.D FE |
| 981305-SA-4 | City of Worcester MA-GENERAL OBLIGATION | | 04/18/2022 | CALL 100 | | | | | | 0 | (6) | 0 | (6) | 0 | | 0 | (2,343) | (2,343) | | .01/01/2028 | 1.C FE |
| | 9. Subtotal - Bonds - U.S. Political Si | ubdivi | | tes Territories and D | neeneeinne | 185,000 | 185,000 | 213,528 | 202, 159 | 0 | (190) | 0 | (190) | 0 | 201,969 | 0 | (16,969) | (16,969) | 5,830 | XXX | XXX |
| | | | | | 000000000 | | | | | 0 | | 0 | | U | | U | | | | | |
| | California Statewide Com-REVENUE BONDS | | 05/15/2022 | CALL 100 | | | | | | 0 | (139) | 0 | (139) | 0 | | 0 | (11,059) | | 1,321 | .05/15/2040 | 1.C FE |
| | Colorado Housing and Fin-REVENUE BONDS | | 06/01/2022 | CALL 100 | | | | | | 0 | (119) | 0 | (119) | 0 | | 0 | (3,571) | (3,571) | 1,945 | .03/01/2048 | 1.A FE |
| | Freddie Mac Pool-FREDDIE MAC POOL-FR RE6 | | 06/01/2022 | PAYDOWN | | | | 13,873 | 13,808 | 0 | (163) | 0 | | 0 | 13.645 | 0 | 0 | 0 | 231 | .11/01/2049 | 1.A |
| | Freddie Mac Pool-FREDDIE MAC POOL-FR RE6 | 1 | 06/01/2022 | PAYDOWN | | 105,705 | | | 105,039 | ۰. ۱ | | ۰. ۱ | | ۰. ۱ | | ۰ ۱ | ۰ ۱ | n | | .05/01/2051 | 1 4 |
| | | · · · · · · · | | | | | | | | ······0 | | 0 | | | | ······ | | 0 | | | 1.0 |
| | Freddie Mac Pool-FREDDIE MAC POOL-FR RE6 | • • • • • • • • • | 06/01/2022 | PAYDOWN | | | | | | 0 | (1,795) | 0 | (1,795) | 0 | | 0 | 0 | 0 | | .05/01/2051 . | . I.A |
| 3133N3-XX-7 | Freddie Mac Pool-FREDDIE MAC POOL-FR RE6 | | 06/01/2022 | PAYDOWN | | | | | | 0 | 2, 122 | 0 | 2, 122 | 0 | | 0 | 0 | 0 | 1,983 | .04/01/2051 | . 1.A |
| 31383S-RS-1 | Fannie Mae Pool-POOL #511797 | | 06/01/2022 | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | .05/01/2031 | |
| 31406J-2L-6 | Fannie Mae Pool-POOL #811779 | | | PAYDOWN | | | | | | 0 | | 0 | 45 | 0 | | 0 | 0 | 0 | 4 | .01/01/2035 | 1 A |
| | Fannie Mae Pool-POOL #BK8442 | | | PAYDOWN | | | | | | 0 | (496) | | .(496) | ů | .222.218 | 0 | 0 | 0 | .1.851 | .01/01/2051 | 1 4 |
| | | | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | | . 1.4 |
| 3140K0-EL-8 | Fannie Mae Pool-POOL #B04638 | | 06/01/2022 | PAYDOWN | | | | | | 0 | (28) | 0 | (28) | 0 | | 0 | 0 | 0 | | 11/01/2049 | . 1.A |
| | Fannie Mae Pool-POOL #CA4011 | | 06/01/2022 | PAYDOWN | | 17,051 | | | | 0 | (180) | 0 | (180) | 0 | | 0 | 0 | 0 | | .08/01/2049 | 1.A |
| 3140QC-DT-0 | Fannie Mae Pool-POOL #CA4613 | | 06/01/2022 | PAYDOWN | | 63,256 | | | | 0 | | 0 | (658) | 0 | 63,256 | 0 | 0 | 0 | 899 | .11/01/2049 | 1.A |
| | Fannie Mae Pool-POOL #MA4319 | | 06/01/2022 | PAYDOWN | | | | | | 0 | | ٥ | | 0 | | 0 | 0 | ٥ | | .04/01/2051 | 1 A |
| | | | | | | | | | | 0 | | 0 | | 0 | | 0 | (2,686) | 0.000 | | | |
| 454624-U5-4 | Indiana Bond Bank-REVENUE BONDS | | 04/01/2022 | CALL 100 | | | | 639,044 | | 0 | (192) | 0 | (192) | 0 | 627,686 | 0 | (2,686) | (2,686) | | .01/15/2024 | 1.B FE |
| | Maryland Community Devel-REVENUE BONDS | | 04/15/2022 | CALL 100 | | | | | | 0 | | 0 | | 0 | | 0 | | | | 09/01/2037 | 1.C FE |
| 575832-P4-6 | Massachusetts State Coll-REVENUE BONDS | | 05/01/2022 | SINKING PAYMENT | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | .05/01/2025 | . 1.A |
| 575832-R2-8 | Massachusetts State Coll-REVENUE BONDS | | 05/01/2022 | CALL 100 | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | .2.460 | .05/01/2025 | 1.D FE |
| | Michigan State Housing D-REVENUE BONDS | | 04/01/2022 | CALL 100 | | | | 1,420,000 | 1,420,000 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | . 10/01/2028 | 1.0 FE |
| | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | | |
| | Michigan State Housing D-REVENUE BONDS | | 06/01/2022 | CALL 100 | | | 400,000 | 400,000 | 400,005 | 0 | | 0 | | 0 | | 0 | (8) | (8) | 9,496 | 10/01/2033 | 1.C FE |
| 60416Q-HA-5 | Minnesota Housing Financ-REVENUE BONDS | | 06/01/2022 | CALL 100 | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 1, 193 | .03/01/2048 | 1.A FE |
| 60416Q-HJ-6 | Minnesota Housing Financ-REVENUE BONDS | | 06/01/2022 | CALL 100 | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | .01/01/2049 | . 1.A FE |
| | New Mexico Mortgage Fina-REVENUE BONDS | | .06/01/2022 | CALL 100 | | | | | | 0 | 0 | ٥ | 0 | 0 | | 0 | 0 | 0 | .444 | .09/01/2040 | 1.B FE |
| | New York City Housing De-REVENUE BONDS | | 05/15/2022 | CALL 100 | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 29 | .06/15/2036 | 1.0 FE |
| | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | | |
| | State of New York Mortga-REVENUE BONDS | | 04/01/2022 | SINKING PAYMENT | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | 10/01/2022 | 1.B FE |
| 677377-2P-7 | Ohio Housing Finance Age-REVENUE BONDS | . | 06/01/2022 | CALL 100 | | | 145,000 | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 1, 120 | .11/01/2041 | 1.A FE |
| | State of Oregon Housing -REVENUE BONDS | | 04/01/2022 | CALL 100 | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | .07/01/2033 | 1.C FE |
| | United States Internatio-UNSECURED | | 06/30/2022 | SINKING PAYMENT | | ٥. | 0 | ٥. | 0 | n | 0 | n | 0 | 0 | ٥. | 0 | 0 | n | .1,452 | .02/27/2027 | 1 |
| | United States Internatio-SENIOR UNSECURE | | | SINKING PAYMENT | | 28.571 | 28.571 | 28.571 | 28.572 | | | 0 | 0 | | 28.571 | 0 | 0 | | | 12/15/2030 | 1 1 |
| | | · · · · · · · · · | | | | | | | | 0 | 0 | 0 | 0 | 0 | | ·····. | | 0 | | | . 1.4 |
| | Rhode Island Housing and-REVENUE BONDS | . | 06/15/2022 | CALL 100 | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 9,843 | 10/01/2023 | 1.B FE |
| 88275F-NU-9 | Texas Department of Hous-REVENUE BONDS | | 06/01/2022 | CALL 100 | | 45,000 | | | 45,046 | 0 | (2) | 0 | (2) | 0 | 45,044 | 0 | (44) | (44) | | | 1.B FE |
| 91412G-GX-7 | University of California-REVENUE BONDS | | 05/15/2022 | CALL 100 | | | | | | 0 | (60) | 0 | | | | 0 | (1,866) | (1,866) | | .05/15/2031 | 1.C FE |
| | Utah State Board of Rege-REVENUE BONDS | | 04/01/2022 | MATURITY | | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | n | 0 | n | 0 | 0 | 1,000,000 | 0 | 0 | 0 | | .04/01/2022 | 1.C FE |
| | Virginia Housing Develop-REVENUE BONDS | | 06/01/2022 | CALL 100 | | | | | | 0 ^ | | 0 ^ | 0 | | | 0 | (1) | (1) | | | 1.A FE |
| | | 1 | | | | | | | | 0 | | 0 | | | | | | (1) | | | |
| 92812U-Q4-3 | Virginia Housing Develop-REVENUE BONDS | | 05/01/2022 | CALL 100 | | | | | | 0 | 0 | 0 | l | 0 | | ·····.0 | ·····0 | 0 | | 10/25/2037 | 1.A FE |
| | Virginia Housing Develop-REVENUE BONDS | | 05/01/2022 | CALL 100 | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | | | | 06/25/2041 | 1.A FE |
| | Virginia Housing Develop-REVENUE BONDS | | 05/01/2022 | CALL 100 | | | | | | 0 | | | 0 | | | 0 | 0 | | | 10/25/2049 | 1.A FE |
| | Virginia Housing Develop-REVENUE BONDS | 1 | | CALL 100 | | | | | | 0 | 0 | 0 | 0 | 0 | 52,458 | ٥ | 27 | 27 | | 08/25/2042 | 1.B FE |
| | | | | | | | | | | - | | - | (| 0 | | - | | | | | |
| | Subtotal - Bonds - U.S. Special Re | evenue | | | | 7,545,947 | 7,545,947 | 7,582,799 | 7,565,378 | 0 | (238) | 0 | (238) | 0 | 7,565,139 | 0 | (19,192) | (19,192) | 160,433 | XXX | XXX |
| 000366-AA-2 | AASET 2017-1 TRUST-SERIES 17-1A CLASS A | | 06/16/2022 | PAYDOWN | | | 12,659 | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | .05/16/2042 | 2.B FE |
| 00038R-AA-4 | Aaset 2019-2 Trust-AASET 2019-2 A | | .06/16/2022 | PAYDOWN | | | | | | 0 | n | 0 | 0 | 0 | | 0 | 0 | n | 359 | .10/16/2039 | 2.C FE |
| 00192J-AA-4 | APS Resecuritization Tru-APS 2016-1 1A | 1 | .06/01/2022 | PAYDOWN | | 89.215 | | | 86.728 | 0 | 2.487 | ۵. ۱ | 2.487 | 0 | 89.215 | 0 | 0 | n | 129 | .07/01/2057 | 1.A FE |
| | | | | | | | | | | 0 | 2,40/ | 0 | | 0 | | 0 | 0 | | | | |
| | AREIT 2019-CRE3 Trust-AREIT 2019-CRE3 A | · · · · · · · · | 06/16/2022 | PAYDOWN | | | | | | 0 | 0 | 0 | ······ ⁰ | 0 | | 0 | 0 | | | .09/14/2036 | 1.A FE |
| 00255U-AA-3 | AASET 2020-1 Trust-AASET 2020-1A A | | 06/15/2022 | PAYDOWN | | | | | | 0 | 1 | 0 | ļ1 | 0 | | 0 | 0 | 0 | | .01/16/2040 | 2.A FE |
| 004375-FG-1 | ACCREDITED MORTGAGE LOAN-ACCR 2006-1 A4 | | 06/27/2022 | PAYDOWN | | | | | | 0 | | 0 | 2,867 | 0 | | 0 | 0 | 0 | | .04/25/2036 | 1.A FM |
| .006346-AS-9 | ADAMS OUTDOOR ADV SECD REV NT SER 2018-1 | 1 | 06/15/2022 | PAYDOWN | | 12,744 | | .12,812 | | 0 | (42) | 0 | (42) | 0 | 12.744 | 0 | 0 | 0 | .255 | .11/15/2048 | 1.F FE |
| | Adjustable Rate Mortgage-ARMT 2005-2 2A1 | 1 | 06/01/2022 | PAYDOWN | | | | | | ۵. ۱ | | ۰. ۱ | | ۵ ۱ | | ۵ ۱ | ۰. ۱ | n | 447 | | 1.A FM |
| | | | | | | | | | | 0 ^ | | 0 | | 0 | | | 45 070 | 45 070 | | | |
| 00846U-AJ-0 | Agilent Technologies Inc-SENIOR UNSECURE | • • • • • • • • • | 05/04/2022 | CALL 101.446 | | 3,043,380 | | 2,986,320 | 2,997,579 | 0 | | 0 | | 0 | 2,998,001 | 0 | | | | | 2.A FE |
| 02147W-AT-6 | Alternative Loan Trust 2-CWALT 2006-26CB | | 06/01/2022 | PAYDOWN | | 1,408 | 1,537 | 1,089 | 1,089 | 0 | 410 | 0 | 410 | 0 | 1,408 | 0 | 0 | 0 | | .09/01/2036 | 4.B FM |
| | | | | | | | | | | | | | | | | | | | | | |

SCHEDULE D - PART 4

| - | | | | | SHOW AILLO | ng ronn be | | | | | Disposed | er Baring a | | Quarter | | - | | | | | |
|-------------|------------------------------------------|------|--------------|------------------------|------------|------------|-----------|-----------|--------------------|------------|-------------|-------------|-------------|-----------|-----------|------------|-----------|------------|-----------|----------------|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Ch | hange In Bo | ok/Adjusted | Carrying Va | lue | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| | - | Ŭ | | 5 | ° | | Ũ | Ũ | | | | | | | | | | | | | NAIC |
| | | | | | | | | | | 11 | 12 | 13 | 14 | 15 | | | | | | | |
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| | | | | | | | | | | | | | Total | Total | | | | | | | Desig- |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | Current | Change in | Foreign | | | | | Bond | | nation |
| | | | | | | | | | | | | Year's | Book/ | Exchange | Book/ | | | | Interest/ | | Modifier |
| | | | | | | | | | D · · · · · | | | | | | | – . | | | | <u>.</u> | |
| | | | | | | | | | Prior Year | | Current | Other Thar | n Adjusted | Change in | Adjusted | Foreign | | | Stock | Stated | and |
| | | | | | | | | | Book/ | Unrealized | Year's | Temporary | Carrying | Book | Carrying | Exchange | Realized | | Dividends | Con- | SVO |
| | | | | | NI | | | | | | | | | | | | | THEORY | | | |
| CUSIP | | | | | Number of | | | | Adjusted | Valuation | (Amor- | Impairment | t Value | /Adjusted | Value at | Gain | Gain | Total Gain | Received | tractual | Admini- |
| Ident- | | For- | Disposal | Name | Shares of | Consid- | | Actual | Carrying | Increase/ | tization)/ | Recog- | (11 + 12 - | Carrying | Disposal | (Loss) on | (Loss) on | (Loss) on | Durina | Maturity | strative |
| | Description | | | | | | DevValue | | | | | | | | | | | | | | |
| ification | Description | eign | Date | of Purchaser | Stock | eration | Par Value | Cost | Value | (Decrease) | Accretion | nized | 13) | Value | Date | Disposal | Disposal | Disposal | Year | Date | Symbol |
| 02660L-AA-8 | American Home Mortgage A-AHMA 2006-4 1A1 | | 06/27/2022 | PAYDOWN | | 4,050 | 4,050 | | 2,091 | 0 | 1.959 | 0 | | 0 | 4,050 | 0 | 0 | 0 | | 10/25/2046 | . 1.D FM |
| 02665U-AA-3 | AMERICAN HOMES 4 RENT-SERIES 2014-SFR2 C | | | PAYDOWN | | | | 4,341 | | 0 | 5 | 0 | 5 | 0 | | 0 | 0 | 0 | 68 | . 10/01/2036 . | 1.A FE |
| 02665X-AA-7 | American Homes 4 Rent 20-AH4R 2014-SFR3 | | | PAYDOWN | | | | | | ů | | | | 0 | | | 0 | | | | 1.A FE |
| | | | | | | | | | | 0 | | | | 0 | | 0 | 0 | 0 | | | |
| 02666A-AA-6 | American Homes 4 Rent 20-AH4R 2015-SFR1 | | 06/01/2022 . | PAYDOWN | | 11,218 | 11,218 | 11,218 | 11,205 | 0 | 13 | 0 | | 0 | 11,218 | 0 | 0 | 0 | 162 | 04/01/2052 . | . 1.A FE |
| 02666B-AA-4 | AMERICAN HOMES 4 RENT-SERIES 2015-SFR2 C | | 06/01/2022 . | . PAYDOWN | | 2,094 | 2,094 | 2,094 | 2,093 | 0 | 1 | 0 | 1 | 0 | 2,094 | 0 | 0 | 0 | | 10/01/2052 | . 1.A FE |
| 02666B-AG-1 | American Homes 4 Rent 20-AH4R 2015-SFR2 | | 06/01/2022 . | PAYDOWN | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10/01/2052 | . 6. * |
| 038370-AA-0 | Aqua Finance Trust 2019AQFIT 2019-A A | 1 | 06/15/2022 | PAYDOWN | | | | | 62,350 | 0 | ٩ | 0 | ٩ | 0 | 62,359 | 0 | 0 | 0 | | 07/16/2040 | 1.F FE |
| 038413-AA-8 | Aqua Finance Trust 2020-AQFIT 2020-AA A | 1 | | PAYDOWN | | | | | | 0 | 23 | | 23 | ^ | | | | ^ | 1.092 | 07/17/2046 . | 1.F FE |
| | | | | | | | | | | ······ | | ······· | | ······ | | | | 0 | | | |
| 05379B-AP-2 | Avista Corp-FIRST LIEN | | 04/01/2022 . | . MATURITY | | | 3,000,000 | 2,993,100 | 2,999,832 | 0 | 168 | 0 | 168 | 0 | 3,000,000 | 0 | 0 | 0 | | 04/01/2022 . | . 1.G FE |
| 05533N-AJ-3 | BCAP LLC 2010-RR12 Trust-BCAP 2010-RR12 | | 06/01/2022 . | . PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 06/01/2037 | . 3.B FM |
| 05541D-AU-0 | BCAP LLC 2012-RR8 Trust-BCAP 2012-RR8 4A | 1 | | PAYDOWN | | | 33,869 | | 32,748 | | 1,121 | | 1, 121 | 0 | 33,869 | 0 | | 0 | | | 1.A FM |
| 058931-AD-8 | Banc of America Funding -BAFC 2006-3 2A1 | | 05/01/2022 | PAYDOWN | | | 4,483 | | | 0 | | 0 | | 0 | 4, 148 | 0 | 0 | 0 | | | 1.D FM |
| | Dane of America Funding DATC 2000-3 2A1 | | | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | | |
| 058931-AT-3 | Banc of America Funding -BAFC 2006-3 4A1 | | 06/01/2022 . | | | | 4,813 | | 0 | 0 | 114 | 0 | 114 | 0 | | 0 | 0 | 0 | 74 | 03/01/2036 . | . 3.B FM |
| 05949A-H8-6 | Banc of America Mortgage-BOAMS 2005-A 2A | | 06/01/2022 . | PAYDOWN | | | 6,929 | 6,699 | 6,716 | 0 | 213 | 0 | 213 | 0 | 6,929 | 0 | 0 | 0 | 62 | 02/01/2035 | . 1.A FM |
| 05949A-H9-4 | Banc of America Mortgage-BOAMS 2005-A 2A | | .05/01/2022 | PAYDOWN | | 5,715 | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 02/01/2035 | 1.A FM |
| | Banc of America Mortgage-BOAMS 2005-8 A9 | | 06/01/2022 . | PAYDOWN | | | | 9,586 | | 0 | 431 | 0 | 431 | 0 | | 0 | 0 | 0 | | | 3.B FM |
| 05949C-HM-1 | Banc of America Mortgage-BOAMS 2005-1 1A | | 06/01/2022 . | PAYDOWN | | | 4,384 | | | 0 | | | 18 | 0 | | 0 | 0 | 0 | | 10/01/2035 | . 1.D FM |
| | | | | | | | | | | 0 | | | | 0 | | 0 | 0 | 0 | | | |
| 05949C-KS-4 | Banc of America Mortgage-BOAMS 2005-J 2A | | 05/01/2022 . | PAYDOWN | | | | | | 0 | (5) | | (5) | 0 | | 0 | 0 | 0 | | 11/01/2035 | . 3.B FM |
| 05949T-AX-7 | Banc of America Funding -BAFC 2006-1 1A2 | | 05/01/2022 | PAYDOWN | | | | | Q | 0 | (1,536) |)0 | (1,536) | 0 | | 0 | 0 | 0 | | 01/01/2036 | . 1.A FM |
| 05951F-AB-0 | Banc of America Funding -BAFC 2007-1 TA1 | | 06/01/2022 . | PAYDOWN | | | 3.448 | | 2.698 | 0 | 749 | 0 | 749 | 0 | 3.559 | 0 | 0 | 0 | 86 | 01/01/2037 | 1.D FM |
| 05951U-AC-5 | Banc of America Funding -BAFC 2006-8T2 A | | 06/01/2022 . | PAYDOWN | | | | | 485 | 0 | | 0 | 165 | 0 | | 0 | 0 | 0 | 16 | 10/01/2036 | . 1.D FM |
| | Dane of America Funding DATO 2000 012 A | | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | | |
| 059522-AU-6 | Banc of America Funding -BAFC 2007-C 1A2 | | 06/01/2022 . | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | .05/01/2036 . | . 1.D FM |
| 05953Y-AH-4 | Banc of America Funding -BAFC 2007-4 TA1 | | 06/01/2022 . | PAYDOWN | | 3,481 | 3,332 | 2,911 | 2,835 | 0 | 519 | 0 | 519 | 0 | 3,481 | 0 | 0 | 0 | 62 | 05/01/2037 | . 1.A FM |
| 05990H-AH-6 | Banc of America Funding -BAFC 2010-R2 1A | | 06/01/2022 . | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 08/01/2037 | . 1.D FM |
| 05990H-AQ-6 | Banc of America Funding -BAFC 2010-R2 3A | | 06/01/2022 . | PAYDOWN | | | 6,453 | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 07/01/2035 . | 1.A FM |
| 07384M-S7-8 | Bear Stearns ARM Trust 2-BSARM 2004-5 2A | | 06/01/2022 . | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 07/01/2034 | 1.A FM |
| | | | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | | |
| 07384Y-KF-2 | Bear Stearns Asset Backe-BSABS 2003-AC4 | | 06/01/2022 . | PAYDOWN | | | | 12,347 | | 0 | 114 | 0 | 114 | 0 | | 0 | 0 | 0 | | 09/01/2033 | . 1.A FM |
| 07386X-AH-9 | Bear Stearns ALT-A Trust-BALTA 2007-1 21 | | 05/01/2022 . | PAYDOWN | | (1,519) | | | | 0 | (472) |)0 | (472) | 0 | (1,519) | 0 | 0 | 0 | 10 | 01/01/2047 . | . 3.B FM |
| 09748R-AA-6 | Bojangles Issuer LLC-BOJA 2020-1A A2 | | 04/20/2022 . | PAYDOWN | | 6,250 | 6,250 | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | 10/20/2050 | 2.B FE |
| 12326Q-AA-2 | Business Jet Securities -BJETS 2019-1 A | | 05/15/2022 | PAYDOWN | | | 453, 189 | . 453.174 | | 0 | (1) | 0 | (1) | 0 | | 0 | 0 | 0 | . 22, 117 | 07/15/2034 | 1.G FE |
| | Business Jet Securities -BJETS 2020-1A A | | | PAYDOWN | | 154.712 | 154.712 | | 154.710 | 0 | | 0 | | 0 | 154.712 | 0 | 0 | 0 | 1.653 | | 1.G FE |
| | | | | | | | | | | 0 | ·····.4 | 0 | | 0 | | 0 | 0 | 0 | | | |
| 12479R-AD-9 | CAPITAL AUTOMOTIVE REIT-SERIES 17-1A CLA | | 06/30/2022 . | PAYDOWN | | 0 | y | y | 0 | 0 | 0 | 0 | 0 | 0 | V | 0 | 0 | 0 | | 04/15/2047 | . 1. FE |
| | CFMT 2020-HB4 LLC-CFMT 2020-HB4 A | | 06/25/2022 . | . PAYDOWN | | | | | 532,318 | 0 | 3,944 | 0 | | 0 | | 0 | 0 | 0 | 2,047 | 12/26/2030 | . 1.A FE |
| 125431-AH-9 | CHL Mortgage Pass-Throug-CWHL 2006-HYB4 | | 06/01/2022 . | . PAYDOWN | | | | | | 0 | 10,948 | 0 | 10,948 | 0 | | 0 | 0 | 0 | | 06/01/2036 | . 1.D FM |
| | CHL Mortgage Pass-Throug-CWHL 2007-14 A7 | 1 | 06/01/2022 | PAYDOWN | | | 1,612 | 1,169 | 0 | 0 | 442 | 0 | | 0 | 1,607 | 0 | 0 | 0 | | .09/01/2037 | 1.D FM |
| | CHL Mortgage Pass-Throug-CWHL 2007-HY7 A | | | PAYDOWN | | 1,059 | | | | ۰ ۱ | 641 | <u>م</u> | | ۰ ۱ | 1,059 | ۰ م | ۰ ۱ | | | | 1.A FM |
| | | | | | | | | | | ······ | | ļ0 | 041 | 0 | | ······ | 0 | ······ | | | |
| | CHL Mortgage Pass-Throug-CWHL 2007-J2 2A | | 05/01/2022 . | . PAYDOWN | | (1) | Ω | O | Q | 0 | 0 | 0 | 0 | 0 | (1) | 0 | 0 | 0 | (47) | 07/01/2037 . | . 1.D FM |
| 12563L-AS-6 | CLI Funding VI LLC-2020-3A A | | 06/18/2022 . | PAYDOWN | | | | | | 0 | 5 | 0 | | 0 | | 0 | 0 | 0 | | 10/18/2045 | . 1.F FE |
| 12564E-AA-0 | CIM Trust 2021-J2-CIM 2021-J2 A1 | | 06/01/2022 . | PAYDOWN | | 43, 176 | | | | 0 | (482) | | (482) | 0 | | 0 | 0 | 0 | | 04/01/2051 | . 1.A |
| 12564K-AA-6 | CIM Trust 2021-J1-CIM 2021-J1 A1 | 1 | .06/01/2022 | PAYDOWN | | | 18,780 | | 19,263 | 0 | (483) |) 0 | (483) | 0 | 18,780 | 0 | 0 | 0 | 184 | 03/01/2051 | 1.A |
| | CitiMortgage Alternative-CMALT 2007-A2 1 | | | PAYDOWN | | | | | | ů | | | | 0 | 4,100 | | 0 | | | | 4.B FM |
| | | | | | | | | | | ······ | | | | | | ····· | | | | | |
| 12566U-AN-4 | CitiMortgage Alternative-CMALT 2007-A2 1 | | 05/01/2022 . | . PAYDOWN | | 5,486 | | | | 0 | (116) | | (116) | 0 | 5,486 | 0 | 0 | 0 | | 02/01/2037 . | . 4.B FM |
| 12593F-BC-7 | COMM 2015-LC21 Mortgage -COMM 2015-LC21 | | 05/01/2022 . | . PAYDOWN | | | 101,473 | | | 0 | (226) | | (226) | 0 | 101,473 | 0 | 0 | 0 | 1,422 | 07/01/2048 . | . 1.A |
| 12624K-AD-8 | COMM 2012-CCRE2 MORTGAGE-COMM 2012-CR2 A | | 06/01/2022 . | PAYDOWN | | 3,765,427 | 3,765,427 | | 3,766,959 | 0 | (1,533) |)0 | (1,533) | 0 | 3,765,427 | 0 | 0 | 0 | | . 08/01/2045 | . 1.A FM |
| | COMM 2013-CCRE9 Mortgage-COMM 2013-CR9 A | 1 | | PAYDOWN | | | | | | n | (1,572) | | (1,572) | 0 | | 0 | 0 | 0 | 5.670 | | 1.4 |
| | | 1 | | | | | | | | | | | | | | 0 | | 0 | | | 1 D EN |
| 12628L-AD-2 | CSAB Mortgage-Backed Tru-CSAB 2006-4 A2A | | 06/01/2022 . | . PAYDOWN | | | | 4,215 | 4,215 | 0 | 9,476 | | 9,476 | 0 | | 0 | 0 | 0 | | 12/01/2036 | . 1.D FM |
| 12632Q-AW-3 | COMM 2014-CCRE18 Mortgag-COMM 2014-CR18 | | 05/01/2022 . | . PAYDOWN | | | 12,581 | | | 0 | (17) |) 0 | (17) | 0 | 12,581 | 0 | 0 | 0 | | 07/01/2047 . | . 1.A |
| 12638P-AB-5 | CSMC Mortgage-Backed Tru-CSMC 2007-3 1A1 | | 06/01/2022 . | PAYDOWN | | | | 5,562 | | 0 | 10,075 | 0 | 10,075 | 0 | | 0 | 0 | 0 | 104 | 04/01/2037 | . 1.D FM |
| 12641P-AN-4 | CSMC Series 2009-6R-CSMC 2009-6R 2A3 | 1 | 05/16/2022 . | PAYDOWN | | ٥ | ٥ | ٥ | 0 | ٥ | ٥ | 0 | 0 | ٥ | ٥ | ٥ | 0 | ٥ | 2.429 | 10/01/2035 | . 1. FM |
| 12641P-AR-5 | CSMC Series 2009-6R-CSMC 2009-6R 2A6 | 1 | 05/16/2022 . | . CREDIT SUISSE SECURI | | 0 ^ | <u>م</u> | ^ | 0 | <u>ہ</u> | | \[| | n | | ^ | | | ۰. ۱ | 10/01/2035 . | 5.B FM |
| | | | | | | 0 | v | ·····Ŷ | v | 0 | | /Q | | 0 | (301) | 0 | | | (04 700) | | |
| 12641Q-AA-0 | CSMC Series 2009-7R-CSMC 2009-7R 3A3 | | 05/16/2022 . | PAYDOWN | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (24,798) | 09/01/2037 . | . 3. FM |
| 12641Q-AJ-1 | CSMC Series 2009-7R-CSMC 2009-7R 4A5 | | 05/16/2022 . | . CREDIT SUISSE SECURI | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 07/01/2037 . | . 1. FM |
| 126410-A0-5 | CSMC Series 2009-7R-CSMC 2009-7R 5A3 | l | 05/16/2022 . | PAYDOWN | l | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | n | 5,810 | | 1. FM |
| | CSMC Series 2009-7R-CSMC 2009-7R 9A4 | 1 | 05/16/2022 . | CREDIT SUISSE SECURI | | ۵. ۱ | n | ۵ ۱ | n | n | 0 | n | 0 | n | ۵. ۱ | 0 | 0 | n | | | 3. FM |
| 120710-04-9 | VOINO OUTTOO 2000 TH VOINO 2000-TH 3M4 | 1 | | . GREDIT OUTOOL OLOUNI | | 0 | V | V | <u>ب</u> | 0 | | U | | 0 | V | | 0 | 0 | | | . v. im |
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SCHEDULE D - PART 4

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| Ident- | | For- Disp | sal Name | Shares of | Consid- | | Actual | Carrying | Increase/ | tization)/ | Recog- | (11 + 12 - | Carrying | Disposal | (Loss) on | (Loss) on | (Loss) on | During | Maturity | strative |
| ification | Description | eign Da | e of Purchaser | Stock | eration | Par Value | Cost | Value | (Decrease) | Accretion | nized | ` 13) | Value | Date | Disposal | Disposal | Disposal | Year | Date | Symbol |
| | | U | | OLUCK | eration | i ai value | CUSI | value | (Decrease) | ACCIELION | Tilzeu | 13) | value | Date | Dispusai | Dispusai | Dispusai | | | |
| 12641Q-CJ-9 | CSMC Series 2009-7R-CSMC 2009-7R 11A2 | | 022 CREDIT SUISSE SECURI | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,388 | 02/01/2035 | . 1. FM |
| 126410-CS-9 | CSMC Series 2009-7R-CSMC 2009-7R 12A5 | | 022 CREDIT SUISSE SECURI | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 520 | 01/01/2036 | . 3. FM |
| | CSMC Series 2009-7R-CSMC 2009-7R 14A6 | | | | ۵ ۵ | | | | ·····• | ° | | | 0 | | ۰¢ | 0 | | | 04/01/2037 | 1. FM |
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| 12641Q-EM-0 | CSMC Series 2009-7R-CSMC 2009-7R 18A3 | | 022 CREDIT SUISSE SECURI | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 03/01/2037 | . 1. FM |
| 126410-EN-8 | CSMC Series 2009-7R-CSMC 2009-7R 18A4 | | 022 CREDIT SUISSE SECURI | | ٥ (I | 0 | 0 | 0 | | | 0 | | 0 | 0 | 0 | | | | 03/01/2037 | . 1. FM |
| | CSMC Series 2009-7R-CSMC 2009-7R 18A5 | | | | ۰. ۱ | ۵. ۱ | ۰ ۱ | ۰ ۱ | n | ^ | ۵ ۱ | ۰ ۱ | ^ | ۵. ۱ | ^ | ۰ ۱ | ۵ ۱ | 386 | 03/01/2037 | 4. FM |
| | | | | | ·····. | ······ | ······ | ļv | 0 | 0 | 0 | 0 | | ·····v | 0 | | 0 | | | |
| 12641Q-EQ-1 | CSMC Series 2009-7R-CSMC 2009-7R 18A6 | | | | ļ0 | 0 | 0 | ļ0 | 0 | 0 | ļ0 | 0 | 0 | Q | 0 | ļ0 | 0 | | 03/01/2037 | . 5. FM |
| 12641Q-EW-8 | CSMC Series 2009-7R-CSMC 2009-7R 1A2 | | 022 CREDIT SUISSE SECURI | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 03/01/2036 | . 1. FM |
| 12641T-AB-2 | | | | | | | | | 0 | 4,302 | 0 | 4,302 | 0 | | 0 | 0 | 0 | | 06/01/2036 | . 1.D FM |
| | | | | | | | | | 0 | | | | | | 0 | | | | | - 1.0 i m |
| 12646U-AK-4 | | | | | | | 16 , 167 | | 0 | 924 | 0 | 924 | 0 | | 0 | ·····0 | 0 | | 03/01/2043 | . I.A |
| 12646W-AH-7 | CSMC Trust 2013-IVR2-CSMC 2013-IVR2 A2 | | 022 PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 04/01/2043 | . 1.A |
| 12647P_4K_4 | CSMC Trust 2013-7-CSMC 2013-7 A6 | | 022 PAYDOWN | | | | | | n | | 0 | | 0 | | 0 | 0 | 0 | | 08/01/2043 | 1.4 |
| | | | | | | | 25,099 | | | | | | 0 | | 0 | 0 | 0 | | | 0.0 |
| | CVS Pass-Through Trust-FIRST LIEN | | | | | | | 25, 101 | 0 | (1) | | (1) | 0 | | 0 | 0 | 0 | | | . 2.B |
| 126670-JP-4 | CHL Mortgage Pass-Throug-CWHL 2005-HYB9 | | 022 PAYDOWN | | | | 10,867 | 10,211 | 0 | | 0 | | 0 | 12,990 | 0 | 0 | 0 | | 02/01/2036 | . 1.D FM |
| 126670-NY-0 | CWABS Asset-Backed Certi-CWL 2005-16 2AF | 06/01/ | 022 PAYDOWN | | 21,409 | 21,409 | 20.504 | | 0 | 18,644 | 0 | 18.644 | 0 | 21,409 | 0 | 0 | 0 | 381 | .05/01/2036 | 1.A FM |
| | Alternative Loan Trust 2-CWALT 2005-7CB | | | | | | | | 0 | | | 1,737 | 0 | | 0 | 0 | 0 | | 03/01/2038 | . 1.D FM |
| | | | | | | | | | 0 | | | | 0 | | | 0 | 0 | | | |
| 12667F-5E-1 | Alternative Loan Trust 2-CWALT 2005-6CB | | | | | | | | 0 | | 0 | | 0 | 19,921 | 0 | 0 | 0 | 451 | 04/01/2035 | . 1.D FM |
| 12667G-AC-7 | Alternative Loan Trust 2-CWALT 2005-13CB | | 022 PAYDOWN | | | | | | 0 | | 0 | | 0 | 7.939 | 0 | 0 | 0 | 189 | 05/01/2035 | . 1.D FM |
| | Alternative Loan Trust 2-CWALT 2005-54CB | | | | | | | 12,857 | 0 | 1,304 | 0 | | 0 | | 0 | 0 | 0 | | .11/01/2035 | 1.D FM |
| | | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | | |
| | CHL Mortgage Pass-Throug-CWHL 2006-10 1A | | | | 7,993 | 8,011 | 5, 183 | 5, 183 | 0 | | 0 | 2,820 | 0 | 7,993 | 0 | 0 | 0 | | 05/01/2036 | . 1.D FM |
| 126694-4F-2 | CHL Mortgage Pass-Throug-CWHL 2006-HYB3 | | 022 PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 05/01/2036 | . 1.D FM |
| | CHL Mortgage Pass-Throug-CWHL 2005-21 A1 | | | | | | | 0 | ٥ | 3.753 | 0 | | 0 | | ٥ | ٥ | 0 | | | 4.B FM |
| | | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | | | | |
| | CHL Mortgage Pass-Throug-CWHL 2006-HYB2 | | | | | | | | 0 | 9, 150 | 0 | 9, 150 | 0 | | 0 | 0 | | | | . 1.D FM |
| 126694-D7-0 | CHL Mortgage Pass-Throug-CWHL 2006-HYB2 | | 022 PAYDOWN | | | | 1,211 | 1,285 | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 04/01/2036 | . 1.A FM |
| 126694-HP-6 | CHL Mortgage Pass-Throug-CWHL 2005-25 A1 | | 022 PAYDOWN | | | | | ο | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 11/01/2035 | . 1.D FM |
| 100004 10 0 | CIL Montgage Fass Throug CMIL 2000 20 AT | | | | | | | | | | | | | | 0 | 0 | 0 | | | |
| | CHL Mortgage Pass-Throug-CWHL 2005-24 A3 | | | | 23,619 | | | 0 | 0 | 5,514 | | 5,514 | 0 | | | 0 | 0 | | 11/01/2035 | . 3.B FM |
| 12669D-US-5 | CHL Mortgage Pass-Throug-CWHL 2002-39 A1 | | 022 PAYDOWN | | 1,254 | 1,257 | 1,246 | 1,318 | 0 | 0 | 0 | 0 | 0 | 1,224 | 0 | | | | 02/01/2033 | . 1.D FM |
| 12669E-V8-3 | CHL Mortgage Pass-Throug-CWHL 2004-HYB4 | | 022 PAYDOWN | | | | | | 0 | 15 | 0 | 15 | 0 | | 0 | 0 | 0 | | .09/01/2034 | 1.A FM |
| | CHL Mortgage Pass-Throug-CWHL 2005-16 A2 | | | | | | | | 0 | 1.243 | 0 | | 0 | | 0 | 0 | 0 | | 09/01/2035 | 2.B FM |
| | | | | | | | | v | 0 | | 0 | | 0 | | 0 | 0 | 0 | | | |
| 12669G-4K-4 | CHL Mortgage Pass-Throug-CWHL 2005-J3 1A | | | | 6,400 | 7,071 | 5,985 | ρ | 0 | | 0 | | 0 | 6,400 | 0 | 0 | 0 | | | . 2.B FM |
| 12669G-R4-5 | CHL Mortgage Pass-Throug-CWHL 2005-15 A8 | | 022 PAYDOWN | | | | | | 0 | | 0 | | | | 0 | | | | 08/01/2035 | . 1.D FM |
| 145764-44-0 | Cars Net Lease Mortgage -CARM 2020-1A A1 | | | | 5,000 | 5,000 | 4,998 | 4,998 | 0 | 2 | 0 | 2 | 0 | 5,000 | 0 | 0 | 0 | | | 1.A FE |
| 150014 1/1 0 | Control Louis Function Los OVUE 0004 0 /25 | | | | 59.760 | | | | ····· | 138 | | | | | | | · · · · · · · · · | | | |
| | Centex Home Equity Loan -CXHE 2004-C AF5 | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | 1,262 | | . 1.A FM |
| | Chase Funding Trust Seri-CFAB 2002-3 1A5 | | | | | 10,503 | | 10,473 | 0 | | 0 | | 0 | 10,503 | 0 | 0 | 0 | | 06/01/2032 | . 1.A FM |
| 16162W-PV-5 | Chase Mortgage Finance T-CHASE 2005-A2 1 | | 022 PAYDOWN | | 1,330 | | 1,276 | | 0 | | | | 0 | 1,330 | 0 | 0 | 0 | | 01/01/2036 | . 1.D FM |
| 16162X-AD-9 | | | | | | | | | 0 | | 0 | | 0 | | <u>ہ</u> | 0 | <u>م</u> | | 11/25/2036 | 1.D FM |
| | | | | | | | | | | | | | | | | | ······ | | | |
| 16163C-AG-7 | Chase Mortgage Finance T-CHASE 2006-A1 2 | | | | 14,465 | 15,494 | 11,429 | 10,994 | 0 | | 0 | 4,215 | J0 | 14,465 | 0 | ·····0 | 0 | | 09/01/2036 | . 1.D FM |
| 16165M-AG-3 | ChaseFlex Trust Series 2-CFKX 2006-2 A5 | | 022 PAYDOWN | | 7,721 | 6,174 | 6,042 | 6,042 | 0 | | 0 | | 0 | 7,721 | 0 | 0 | 0 | | 09/01/2036 | . 1.D FM |
| 166764-AH-3 | CHEVRON CORP-SR UNSECURED | | 022 CALL 101.059372 | | 2,021,187 | | 2,000,000 | 2,000,000 | 0 | 0 | 0 | 0 | 0 | 2,000,000 | 0 | 21.187 | 21.187 | | | 1.D FE |
| | | | | | 1.757 | | 1.092 | | ^ | 663 | | 663 | | 1.757 | 0 | | | 48 | | |
| | CHL Mortgage Pass-Throug-CWHL 2006-17 A8 | | | | | | | 0 | ······ | | ······ | | | | 0 | ······ | | | 12/25/2036 | . 1.D FM |
| 17181C-AA-6 | CIM Small Business Loan -CIMLT 2018-1A A | | 022 PAYDOWN | | | | | | 0 | 1 | 0 | 11 | 0 | | 0 | 0 | 0 | | 03/20/2043 | . 1.C FE |
| 17307G-ED-6 | | | | | | | | | 0 | 1.378 | 0 | | 0 | 20,282 | 0 | 0 | 0 | | 03/01/2034 | 1.A FM |
| | | | | | | | | | 0 | | 0 | | <u>^</u> | | <u>^</u> | 0 | <u> </u> | 18 | .06/01/2037 | 1.A FM |
| | | | | | | | | | 0 | | | | | | | 0 | | | | |
| 1/315X-AF-8 | Citigroup Mortgage Loan -CMLTI 2009-9 2A | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 11/01/2035 | . 1.D FM |
| 17323M-AE-5 | Citigroup Mortgage Loan -CMLTI 2015-A B3 | | 022 PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 06/01/2058 | 1.A |
| 19421U-AA-2 | | | | [| | | | | n | | <u>م</u> | | <u>ہ</u> | | ^ | n | ^ | | 12/28/2048 | . 1.A FE |
| | | | | | | | | | | | | | | | | | | | | |
| 19687Y-AA-3 | COLT 2020-RPL1 Trust-COLT 2020-RPL1 A1 | | | | 143, 131 | | 143,131 | | 0 | | 0 | | 0 | 143, 131 | 0 | 0 | 0 | | 01/01/2065 | . 1.A FE |
| 20048E-AY-7 | COMM 2013-LC6 MORTGAGE T-COMM 2013-LC6 A | | 022 PAYDOWN | | | | | | 0 | | 0 | 4,430 | | | 0 | | 0 | | 01/01/2046 | . 1.A |
| 20267U-AA-7 | COMMONBOND STUDENT LOAN -SERIES 16-B CLA | | | | | | | | 0 | 5 | 0 | 5 | 0 | | 0 | 0 | 0 | | | . 1.A FE |
| | | | | | | | | | ······ | | ļ0 | | ļ | | ······ | 400, 105 | 400, 405 | | | |
| 20826F-AQ-9 | ConocoPhillips Co-SENIOR UNSECURED | | | | 3, 166, 057 | 3,000,000 | 2,998,800 | 2,999,581 | 0 | | 0 | | 0 | 2,999,622 | 0 | | | | | . 1.G FE |
| 21872M-AA-0 | CoreVest American Financ-CAFL 2018-2 A | | | | | | | | 0 | | 0 | 5 | 0 | | 0 | 0 | 0 | 4,212 | 11/01/2052 | . 1.A FE |
| | CSFB MORTGAGE-BACKED PAS-CSFB 2003-17 1A | | | | | | | | 0 | 4 | 0 | 4 | 0 | | 0 | 0 | 0 | | | 1.A FM |
| | | | | | | | | | | | | | | | | | | | | 1.A FM |
| | CSFB Mortgage-Backed Tru-CSFB 2004-AR6 C | | | | | | 14,516 | | 0 | | ·····0 | 2,705 | 0 | | 0 | ······0 | 0 | | | |
| 225458-2Y-3 | Credit Suisse First Bost-CSFB 2005-8 9A1 | | 022 PAYDOWN | | 0 | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | D | 0 | 0 | 0 | 0 | 09/01/2035 | . 3.B FM |
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SCHEDULE D - PART 4

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| Ident- | | For- Dispo | sal Name | Shares of | Consid- | | Actual | Carrying | Increase/ | tization)/ | Recog- | (11 + 12 - | Carrying | Disposal | (Loss) on | (Loss) on | (Loss) on | During | Maturity | strative |
| ification | Description | eign Dat | | Stock | eration | Par Value | Cost | Value | (Decrease) | | nized | 13) | Value | Date | Disposal | Disposal | Disposal | Year | Date | Symbol |
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| 225458-L5-5 | Credit Suisse First Bost-CSFB 2005-7 1A1 | | | | 10,612 | 4,355 | | 0 | 0 | | 0 | | 0 | 10,612 | 0 | 0 | 0 | 66 | 08/01/2035 | . 2.B FM |
| 225470-08-9 | CSMC Mortgage-Backed Tru-CSMC 2006-3 5A5 | | 022 PAYDOWN | | | | | | 0 | 4,347 | 0 | 4,347 | 0 | | 0 | 0 | 0 | | 04/01/2036 | 1.D FM |
| 225470-VF-7 | CSMC Mortgage-Backed Tru-CSMC 2006-1 3A1 | | 022 PAYDOWN | | | | 1,900 | | 0 | 1,078 | 0 | 1,078 | 0 | | 0 | 0 | 0 | | 02/01/2036 | 1.D FM |
| | CSMC Trust 2013-TH1-CSMC 2013-TH1 A1 | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 02/01/2043 | 1 / |
| | | | | | | | | | | | 0 | | 0 | | 0 | | 0 | | | 1.A |
| 233046-AF-8 | DNKN 2017-1A A211 | | | | 10,000 | | | | 0 | 0 | 0 | 0 | 0 | 10,000 | 0 | 0 | 0 | | | 2.B FE |
| | DB Master Finance LLC-DNKN 2019-1AW A23W | | | | 8, 125 | 8, 125 | 8,245 | 8,218 | 0 | (93) | 0 | (93) | 0 | 8,125 | 0 | 0 | 0 | | 05/20/2049 | 1.C FE |
| 24763L-FN-5 | Delta Funding Home Equit-DELHE 1999-2 A7 | | 022 PAYDOWN | | 4, 124 | 4, 124 | 4, 124 | | 0 | 1,711 | 0 | 1,711 | 0 | 4, 124 | 0 | 0 | 0 | | .08/01/2030 | 1.A FM |
| 251510-DQ-3 | Deutsche Alt-A Securitie-DBALT 2005-2 2A | | | 1 | | | | | 0 | (7) | 0 | (7) | 0 | 48 | 0 | 0 | 0 | 0 | 03/25/2023 | 1.A FM |
| 25432G-AC-3 | Dime Community Bancshare-SUBORDINATED | | | | 2,000,000 | | 2,000,000 | | ۵ ۱ | (1) | n | (1) | n | 2,000,000 | n | n | 0 | 45.000 | 06/15/2027 | 2.C FE |
| | DOMINOS PIZZA MASTER ISS-SERIES 2015-1A | | | | | | | | 0 | | | (1) | 0 | 2,000,000 | 0 | | 0 | | | |
| 25755T-AE-0 | | | | | | | | | | | 0 | 0 | 0 | | 0 | <u>0</u> | | | 10/25/2045 | 2.A FE |
| 25755T-AH-3 | DOMINOS PIZZA MASTER ISS-SERIES 17-1A CL | | | · | 7,500 | | 7 , 500 | | 0 | ļ0 | ļ0 | ·····.0 | 0 | 7,500 | 0 | ļ0 | ·····.0 | 154 | 07/25/2047 | 2.A FE |
| 25755T-AL-4 | Domino's Pizza Master Is-DPABS 2019-1A A | | | | 3,750 | 3,750 | | 3,750 | 0 | 0 | 0 | 0 | 0 | 3,750 | 0 | 0 | 0 | 69 | 10/25/2049 | 2.A FE |
| 25755T-AM-2 | Domino's Pizza Master Is-DPABS 2019-1AW | | 22 PAYDOWN | | | | | | 0 | (10) | 0 | (10) | 0 | | 0 | 0 | 0 | | 10/25/2049 | 1.C FE |
| 26209X-AC-5 | DRIVEN BRANDS FUNDING LL-HONK 2020-2A A2 | | | | 2,500 | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 40 | | 2.0 FE |
| | FCI Funding 2021-1 LLC-FCITL 2021-1A A | | | | ,226,391 | | | | 0 | 9 | 0 | 9 | 0 | | ů | ů | 0 | 1.143 | | 1.A FE |
| | | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | | |
| 31737V-AA-4 | Finance of America HECM -FAHB 2020-HB2 A | | | | | | | | 0 | 1,978 | 0 | 1,978 | 0 | | 0 | 0 | 0 | 1,902 | 07/25/2030 | 1.A FE |
| 32010L-AN-4 | First Eagle Commercial L-NWSTR 2016-1A A | | 22 PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 01/25/2032 | 1.A FE |
| 32027L-AE-5 | First Franklin Mortgage -FFML 2006-FF14 | | 22 . PAYDOWN | | | | | | 0 | | 0 | 1,683 | 0 | | 0 | 0 | 0 | | 10/25/2036 | 1.A FM |
| 32051G-T7-0 | First Horizon Alternativ-FHAMS 2006-FA1 | | 22 PAYDOWN | | | | | 4,763 | 0 | 2,774 | 0 | | 0 | | 0 | 0 | 0 | | 04/01/2036 | 3.B FM |
| | First Horizon Mortgage P-FHASI 2005-AR5 | | | | | | | | 0 | | 0 | | 0 | | | | 0 | | | 3.B FM |
| | | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | | |
| 32051G-XV-2 | First Horizon Mortgage P-FHASI 2005-AR5 | | | | 2,321 | 2,379 | 2,345 | 2, 148 | 0 | 230 | 0 | 230 | 0 | 2,321 | 0 | 0 | 0 | | 11/01/2035 | 1.D FM |
| 32052D-AG-6 | First Horizon Alternativ-FHAMS 2006-FA8 | | | | 1,558 | 1,544 | 1,216 | | | | 0 | 634 | 0 | 1,558 | 0 | 0 | 0 | | 02/01/2037 | 1.D FM |
| 347466-AE-4 | Fort Irwin Land LLC-UNSECURED | | 22 SINKING PAYMENT | | | | | | 0 | 1,751 | 0 | 1,751 | 0 | | 0 | 0 | 0 | 1,240 | 12/15/2035 | 1.F FE |
| 35040U-AA-9 | Foundation Finance Trust-FFIN 2017-1A A | | 22 PAYDOWN | | | | | | 0 | 1 | 0 | 1 | 0 | | 0 | 0 | 0 | | 07/15/2033 | 1.A FE |
| 35041J-AA-3 | Foundation Finance Trust-FFIN 2019-1A A | | | | | | | 43.980 | 0 | .608 | 0 | | ٥ | | 0 | 0 | 0 | | .11/15/2034 | 1.B FE |
| 361448-AN-3 | GATX CORP-SENIOR UNSECURED NOTE | | | | 2,013,200 | 2,000,000 | | 1,998,924 | 0 | | 0 | | 0 | 1,999,472 | 0 | | | | | |
| | | | | | | | | | 0 | | 0 | | 0 | | 0 | 13,720 | 13,720 | | | 2.B FE |
| 3622E8-AB-1 | GSAA Home Equity Trust 2-GSAA 2006-15 AF | | | | 6,365 | 6,365 | 4,010 | 1,907 | 0 | 4,459 | 0 | | 0 | 6,365 | 0 | 0 | 0 | | 09/01/2036 | 1.D FM |
| 362341-4A-4 | GSR Mortgage Loan Trust -GSR 2006-AR1 2A | | 022 PAYDOWN | | | | 2,455 | | 0 | | 0 | | 0 | 2,590 | 0 | 0 | 0 | 25 | 01/01/2036 | 1.D FM |
| 362341-SG-5 | GSR MORTGAGE LOAN TRUST-SERIES 2005-AR6 | | 022 PAYDOWN | | 60,755 | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 09/01/2035 | 3.B FM |
| 36242D-FS-7 | GSR Mortgage Loan Trust -GSR 2004-11 2A1 | | 22 PAYDOWN | | | | | 31.506 | 0 | 47 | 0 | 47 | 0 | | 0 | 0 | 0 | 382 | .09/01/2034 | 1.A FM |
| 36242D-PG-2 | GSR Mortgage Loan Trust -GSR 2004-14 3A2 | | | | | | | | ۵. ۱ | | n | 617 | n | 27.062 | ۵. ۱ | n | 0 | 294 | | 1.A FM |
| | GSR Mortgage Loan Trust -GSR 2004-14 3A2 | | | | 6,900 | | | £0,74J | | 206 | | 206 | 0 | 6.900 | 0 | 0 | | | | 1.D FM |
| | | | | · | | | | | | | | | 0 | | 0 | ······ | ······· | | | |
| 36298G-AA-7 | GSPA Monetization Trust-SECURED | | | | | | | | 0 | (311) | 0 | (311) | 0 | | 0 | l0 | 0 | | | 2.A FE |
| 391164-AF-7 | GREAT PLAINS ENERGY INC-SR UNSECURED | | | | | 1,000,000 | | 1,000,591 | 0 | (591) | 0 | (591) | 0 | 1,000,000 | 0 | 0 | 0 | | | 2.B FE |
| 39678W-AA-6 | Greenwich Capital Struct-GCSP 2005-1 A1 | | 22 PAYDOWN | | 5,624 | 5,624 | 5,595 | | 0 | (85) | 0 | (85) | 0 | 5,624 | 0 | 0 | 0 | | 09/01/2034 | 1.A FM |
| 436893-AA-9 | Home BancShares Inc/AR-SUBORDINATED | | 22 CALL 100 | 1 | 2,000,000 | 2,000,000 | 1,999,940 | 2,000,240 | 0 | (240) | 0 | (240) | 0 | 2,000,000 | 0 | 0 | 0 | 56,250 | .04/15/2027 | 2.B FE |
| 43741B-AA-7 | HomeBanc Mortgage Trust -HNBT 2007-1 11A | | | | | 1,743 | 1,731 | 1,731 | ۰ ۱ | | n | | n | | n | n | 0 | | 04/01/2047 | 1.D FM |
| | | | | | | | | | ······ | | 0 | | 0 | | | ······ | 0 | | | |
| 44329H-AG-9 | HP Communities LLC-FIRST LIEN | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,515 | 03/15/2023 | 1. FE |
| 45254N-MZ-7 | Impac CMB Trust Series 2-IMM 2005-2 1A2 | | | | | | 14,471 | | 0 | 1,544 | 0 | 1,544 | 0 | | 0 | 0 | 0 | 75 | 04/25/2035 | 1.A FM |
| 45254N-NT-0 | Impac CMB Trust Series 2-IMM 2005-3 M1 | | 022 PAYDOWN | | | 2,327 | 1 , 128 | 1,763 | 0 | | 0 | 564 | 0 | 2,327 | 0 | 0 | 0 | 10 | 08/25/2035 | 1.A FM |
| 45866F-AA-2 | INTERCONTINENTALEXCHANGE-SENIOR UNSECURE | | 22 CALL 101.596809 | . L | 1,015,968 | 1,000,000 | | | | | | | | | | | | | 10/15/2023 | 1.G FE |
| 46185J-AA-6 | Invitation Homes 2018-SF-IHSFR 2018-SFR1 | | | | | | | | 0 | 0 | n | 0 | 0 | | 0 | n (1.50 | n | 45 | 03/17/2037 | 1.A FE |
| | | | | | | | | | | 0 | | 0 | 0 | | 0 | · · · · · · | 0 | | | |
| 46187X-AA-3 | Invitation Homes 2018-SF-IHSFR 2018-SFR4 | | | | | | | | ·····.0 | | 0 | 0 | 0 | | 0 | ļ0 | 0 | | 01/17/2038 | 1.A FE |
| 46616M-AA-8 | J G WENTWORTH RECV XXII-ASSET BKD NT 10 | | | | | | | | 0 | | ļ0 | | 0 | | 0 | ļ0 | 0 | | <u>1</u> 2/15/2048 | 1.A FE |
| 46616P-AA-1 | JGWPT XXIII LLC-HENDR 2011-1A A | | | | | | | 25,751 | 0 | | 0 | 7 | 0 | | 0 | 0 | 0 | | 10/15/2056 | 1.A FE |
| 46617A-AA-3 | JGWPT XXVII LLC-ASSET BKD SERIES 2012-3 | | 22 PAYDOWN | | | | | | 0 | 412 | 0 | 412 | 0 | | 0 | 0 | 0 | | 09/15/2065 | 1.A FE |
| 46617F-AA-2 | JGWPT XXVIII LLC-HENDR 2013-1A A | | | | | | | | 0 | 8 | 0 | 8 | 0 | | 0 | 0 | 0 | | 04/15/2067 | 1.A FE |
| 46617J-AA-4 | JGWPT XXIX LLC-HENDR 2013-2A A | | | | | | | | ۰. ۱ | ۵. ۱ | n | n | n | | ۰. ۱ | n | 0 | | .03/15/2062 | 1.A FE |
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| 46617L-AA-9 | JGWPT XXX LLC-HENDR 2013-3A A | | | | | | | | 0 | | 0 | 19 | 0 | | 0 | ·····0 | 0 | | 01/17/2073 | 1.A FE |
| 46617T-AA-2 | JGWPT XXXI LLC-ASSET BKD SERIES 2014-1 C | | | | 11,568 | 11,568 | | | 0 | | 0 | 7 | 0 | | 0 | 0 | 0 | | 03/15/2063 | . 1.A FE |
| 46618A-AA-2 | JGWPT XXXII LLC-ASSET BKD SERIES 2014-2 | | 022 PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | 616 | 01/17/2073 | 1.A FE |
| 46618H-AA-7 | J G WENTWORTH XXXIII LLC-ASSET BKD SER 2 | | 22 PAYDOWN | | | | | | | (72) | | (72) | 0 | | | 0 | | | 06/15/2077 | 1.A FE |
| | J G WENTWORTH XXXIV LLC-ASSET BKD SER 20 | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | | |
| | J G WENTWORTH XXXV LLC-ASSET BCKD NT 15 | | | | | | | | 0 | (31) | 0 | | 0 | | 0 | ^ | | | | |
| 400 I9K-AA-4 | JU U WENTHURTH XXXV LLU-ASSET BUXD NT 15 | | ALC PATUUWN | | | | 19, 104 | 19,09/ | 0 | (31) | 0 | (31) | 0 | | 0 | J0 | 0 | | 03/15/2058 | . I.A FE |
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SCHEDULE D - PART 4

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| | D | - | | | | | B 1/1 | | | | | | | | | | | | · J | | |
| ification | Description | eign | Date | of Purchaser | Stock | eration | Par Value | Cost | Value | (Decrease) | Accretion | nized | 13) | Value | Date | Disposal | Disposal | Disposal | Year | Date | Symbol |
| 46620 LAA_Q | J.G. Wentworth XXXVIII L-HENDR 2017-1A A | | 06/15/2022 . | PAYDOWN | | | | | .3.870 | 0 | 2 | 0 | 2 | 0 | | 0 | 0 | 0 | | 08/16/2060 | 1.A FE |
| | | | | | | | | | | | 770 | | 770 | | | | | | | 07/04/0005 | |
| | JP Morgan Mortgage Trust-JPMMT 2005-A4 2 | | 06/01/2022 . | PAYDOWN | | 8,873 | 8,873 | 7,875 | 8,096 | 0 | 778 | 0 | 778 | 0 | 8,873 | 0 | 0 | 0 | | 07/01/2035 | . 1.A FM |
| 466247-ZP-1 | JP Morgan Mortgage Trust-JPMMT 2005-S3 1 | | | PAYDOWN | | 1,633 | 1,656 | 1,068 | 0 | 0 | | 0 | | 0 | 1,633 | 0 | 0 | 0 | | 01/01/2036 | . 2.B FM |
| 46607M AD 0 | JP Morgan Alternative Lo-JPALT 2005-S1 1 | | 06/01/2022 . | PAYDOWN | | | | | .2.537 | 0 | 2.921 | 0 | 2.921 | 0 | .5,448 | 0 | 0 | 0 | 144 | | 1.D FM |
| | | | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | | |
| | JP Morgan Alternative Lo-JPALT 2006-A1 3 | | 06/01/2022 . | . PAYDOWN | | | | | | 0 | 13,438 | 0 | | 0 | | 0 | 0 | 0 | | 03/01/2036 | . 1.D FM |
| 46627M-EC-7 | JP Morgan Alternative Lo-JPALT 2006-S1 1 | 1 | 06/01/2022 . | PAYDOWN | | | | 6,786 | | 0 | | 0 | | 0 | 7.299 | 0 | 0 | 0 | 154 | 03/01/2036 | 1.D FM |
| | | 1 | | PAYDOWN | | | | | 10.087 | ^ | 3,412 | ^ | 3,412 | ^ | 13,450 | | ^ | 0 | 311 | .03/01/2036 | 4.B FM |
| | JP Morgan Alternative Lo-JPALT 2006-S1 1 | | | | | | | | | ······· | | ······ | | | | | ······ | ······ | | | |
| 46628L-AB-4 | JP Morgan Mortgage Trust-JPMMT 2006-A4 1 | | 06/01/2022 . | PAYDOWN | | 3,628 | | 2,894 | 1,311 | 0 | 2,317 | 0 | 2,317 | 0 | | 0 | 0 | 0 | | 06/01/2036 | . 1.D FM |
| | JP Morgan Alternative Lo-JPALT 2006-S3 A | 1 | 05/01/2022 . | PAYDOWN | | | | 4,272 | .4.356 | ٥ | | ٥ | | 0 | 862 | ٥ | 0 | 0 | | 08/01/2036 | 1.D FM |
| | | | | | | | | | | 0 | | | | 0 | | 0 | 0 | | | | |
| | JP Morgan Mortgage Trust-JPMMT 2007-A2 3 | | 06/01/2022 . | PAYDOWN | | 404 | | | | 0 | 127 | 0 | 127 | 0 | | 0 | 0 | 0 | ¢ | 04/01/2037 | . 1.D FM |
| 46630W-AB-6 | JP Morgan Mortgage Trust-JPMMT 2007-S2 1 | | | PAYDOWN | | | | | | 0 | | | | | | 0 | | | | 06/01/2037 | 4.B FM |
| | JP Morgan Mortgage Trust-JPMMT 2007-S2 1 | 1 | 06/01/2022 . | PAYDOWN | | | | | 0 | ^ | 1,073 | ^ | 1.073 | ^ | | ^ | ^ | ^ | 64 | | 4 B FM |
| 4003011-AL-4 | or morgan worlgage riust-orwar 2007-02 1 | | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | | |
| 46631N-AA-7 | JP Morgan Mortgage Trust-JPMMT 2007-S3 1 | | 06/01/2022 . | PAYDOWN | | | 1,333 | | | 0 | 420 | 0 | | 0 | 1,333 | 0 | 0 | 0 | | 08/01/2037 | . 2.B FM |
| 46631N-DT-3 | JP Morgan Mortgage Trust-JPMMT 2007-S3 1 | | 05/01/2022 . | PAYDOWN | | | 4.270 | 3.020 | 3.020 | 0 | 2,123 | 0 | 2, 123 | 0 | .7.153 | 0 | 0 | 0 | 110 | 08/01/2037 | 1.D FM |
| | JP Morgan Mortgage Trust-JPMMT 2008-R2 1 | | 06/01/2022 | PAYDOWN | | | | | 25,918 | ۰۵ ۵ | 4,545 | 0 | 4,545 | 0 | | 0 | 0 | ů | | .07/01/2037 | 1.A FM |
| | | | | | | | | | | 0 | | | | | | 0 | 0 | V | | | |
| 46634D-AX-6 | JP Morgan Resecuritizati-JPMRR 2010-1 3A | | | PAYDOWN | | | | | | 0 | 9,778 | 0 | 9,778 | 0 | | 0 | 0 | 0 | | 04/01/2037 | . 1.D FM |
| 46634E-ALI-7 | JP Morgan Resecuritizati-JPMRR 2010-2 3A | | 05/18/2022 . | DIRECT | | . 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | . 0 | 0 | 0 | 0 | 0 | 07/01/2036 | 6 * |
| | | | | | | | | | | | | | | | | | | | | | |
| | JP Morgan Resecuritizati-JPMRR 2010-2 3A | | 05/18/2022 . | DIRECT | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | V | 07/01/2036 | . 6. ^ |
| 46635B-AD-3 | JP Morgan Resecuritizati-JPMRR 2010-7 1A | | 06/01/2022 . | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 03/01/2039 | 1.D FM |
| | Jack In The Box Funding -JACK 2019-1A A2 | | 06/30/2022 . | PAYDOWN | | 0 | 0 | 0 | 0 | ٥ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 2. FE |
| | | | | | | | | U | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | | |
| 466365-AD-5 | Jack in the Box Funding -JACK 2022-1A A2 | | 05/25/2022 . | . PAYDOWN | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | 02/26/2052 | 2.B FE |
| 46651G-AC-3 | JP Morgan Mortgage Trust-JPMMT 2019-7 A3 | | 06/01/2022 . | PAYDOWN | | | | | | 0 | (131) | 0 | (131) | 0 | .11.330 | 0 | 0 | 0 | 160 | 02/01/2050 | 1.A |
| | Jefferies Resecuritizati-JMAC 2008-R1 A | | | PAYDOWN | | | | | 0 | ۰۵ ۵ | 5.463 | 0 | | 0 | | 0 | 0 | 0 | | .06/25/2047 | 1.D FM |
| | | | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | V | | | |
| 472321-AD-0 | Jefferies Resecuritizati-JMAC 2008-R2 2A | | 06/01/2022 . | PAYDOWN | | | | | | 0 | 11,212 | 0 | 11,212 | 0 | | 0 | 0 | 0 | | 01/01/2037 | . 1.A FM |
| 472321-AH-1 | Jefferies Resecuritizati-JMAC 2008-R2 2A | | | PAYDOWN | | 0 | | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 01/01/2037 | 1.D FM |
| | Jefferies Resecuritizati-JMAC 2008-R2 3A | | | | | .9,409 | .9,409 | | | 0 | | 0 | 486 | 0 | 9.409 | 0 | 0 | 0 | 110 | | |
| | | | 06/01/2022 . | PAYDOWN | | | | | | 0 | | 0 | | 0 | 9,409 | | 0 | 0 | | | . 1.A FM |
| 472321-AK-4 | Jefferies Resecuritizati-JMAC 2008-R2 3A | | 06/01/2022 . | PAYDOWN | | 0 | | 12 | 16 | 0 | (4) | 0 | (4) | 0 | 0 | 0 | 0 | 0 | 1 | 01/01/2039 | 1.D FM |
| 47232V-AG-7 | Jefferies Resecuritizati-JMAC 2009-R4 2A | | 04/20/2022 . | DIRECT | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 02/01/2037 | 1.A FM |
| | | | | | | | | | | 0 | 70.477 | | | | | | 0 | | (01.111) | | |
| 47233D-AB-7 | Jefferies Resecuritizati-JMAC 2009-R11 1 | | 06/01/2022 . | . PAYDOWN | | | | | | 0 | 70, 177 | 0 | | 0 | | 0 | 0 | 0 | (64, 141) | 09/01/2036 | . 1.D FM |
| 47760Q-AB-9 | Jimmy Johns Funding LLC-JIMMY 2017-1A A2 | | 04/30/2022 . | PAYDOWN | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | 07/30/2047 | 2.B FE |
| 48305Q-AA-1 | Kaiser Foundation Hospit-SENIOR UNSECURE | | 04/01/2022 . | MATURITY | | | | 1,983,880 | 1.999.528 | 0 | 472 | 0 | 472 | 0 | 2,000,000 | 0 | 0 | 0 | 35.000 | 04/01/2022 | 1.D FE |
| | | | | | | | | | | 0 | | | | | | 0 | | | | | |
| | Great Lakes Kcap F3c Sen-KCAP 2017-1A A | | 06/21/2022 . | PAYDOWN | | | | | | 0 | (17) | 0 | (17) | 0 | | 0 | ļ0 | ······0 | 3,371 | 12/20/2029 | 1.A FE |
| 50209T-AA-8 | LMREC 2019-CRE3 Inc-LMREC 2019-CRE3 A | | | PAYDOWN | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | 12/22/2035 | 1.A FE |
| | LABRADOR AVIATION FINANC-SERIES 2016-1A | 1 | | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | 644 | .01/15/2042 | 3.A FE |
| | | | | | | | | | | | | | | | | 0 | | · · · · · · · · · · · · · · · · · · · | | | |
| 525221-GM-3 | LEHMAN XS TRUST-SERIES 2005-9N CLASS 1A1 | | 06/27/2022 . | PAYDOWN | | | | | | 0 | 7,234 | 0 | 7,234 | 0 | | 0 | 0 | ·····.0 | | 02/25/2036 | 1.D FM |
| 525241-AL-9 | Lehman XS Trust 2007-1-LXS 2007-1 WF1 | | 04/01/2022 . | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 01/01/2037 | 1.D FM |
| | LOCKHEED MARTIN CORP-SENIOR UNSECURED | 1 | 05/10/2022 . | CALL 101.034172 | | 1,515,513 | 1,500,000 | 1,488,420 | 1,494,927 | ٥ | | 0 | | 0 | 1,495,308 | 0 | | | | | 1.G FE |
| | | 1 | | | | | | | | 0 | | | | | | ······ | | | | | |
| 543190-AA-0 | LONGTRAIN LEASING III LL-SERIES 2015-1A | | 06/15/2022 . | PAYDOWN | | | 12,255 | 11,874 | | 0 | 206 | 0 | 206 | 0 | | 0 | 0 | 0 | | 01/15/2045 | 1.F FE |
| 543190-AB-8 | Longtrain Leasing III LL-LTRAN 2015-1A A | | 06/15/2022 . | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 01/15/2045 | 1.F FE |
| | MF1 Multifamily Housing -MF1 2021-FL5 A | 1 | | PAYDOWN | | 882,958 | | | | ٥ | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | .5,639 | 07/15/2036 | 1.A FE |
| | mi i martinaminy nousiny "Mi I 2021-I LJ A | | | | | | | | | | | | | ······································ | | ······ | | | | | |
| 559079-AK-4 | Magellan Health Inc-SENIOR UNSECURED | | 04/29/2022 . | . CALL 107.30395 | | 0 | D | O | Ω | 0 | ·····.0 | J0 | ·····.0 | 0 | 0 | 0 | j0 | L0 | (4,875) | 09/22/2024 | 2.C FE |
| 57643M-LZ-5 | MASTR Asset Securitizati-MASTR 2006-1 1A | I | 04/01/2022 . | PAYDOWN | | | | | | 0 | | | | | .134 | 0 | | | | 05/01/2036 | 1.D FM |
| | MASTR Adjustable Rate Mo-MARM 2007-HF2 A | | | PAYDOWN | | | | | | ^ | 1,630 | ^ | 1.630 | ^ | | ۵ ۱ | ^ | ^ | | | 1.A FM |
| | | | | | | | | | | | | | | ······································ | | | | | | | |
| 585055-BS-4 | MEDTRONIC INC-SR UNSECURED | | 06/01/2022 . | . CALL 101.672 | | | | | | 0 | | 0 | 129 | 0 | | 0 | 6, 159 | 6, 159 | 7,790 | 03/15/2025 | 1.G FE |
| 585495-AA-2 | Mello Mortgage Capital A-MELLO 2021-MTG1 | 1 | | PAYDOWN | | | | | | ٥ | (1,325) | 0 | (1,325) | 0 | | 0 | 0 | 0 | 1.098 | 04/01/2051 | 1.A |
| | Malla Waashawaa Osawaiti MWOT 0000 0 A | | | | | | | | | | | | (1,020) | | | | | · · · · · · | | | |
| 58551V-AA-0 | Mello Warehouse Securiti-MWST 2020-2 A | | 04/06/2022 . | PAYDOWN | | 1,000,000 | | | 1,000,000 | 0 | 0 | 0 | 0 | 0 | 1,000,000 | 0 | 0 | 0 | 2,276 | 11/25/2053 | 1.A FE |
| 58601V-AA-0 | Memorial Health Services-SENIOR UNSECURE | | 05/01/2022 . | . MATURITY | | | | | 1,000,000 | 0 | 0 | 0 | 0 | 0 | 1,000,000 | 0 | 0 | 0 | | 05/01/2022 | 1.D FE |
| 589929-PK-8 | Merrill Lynch Mor Inv Go-GNABS 1998-GN1 | 1 | | PAYDOWN | | | | | | ٥ | ٥ | 0 | 0 | 0 | | 0 | 0 | 0 | | .02/01/2027 | 1.A FM |
| | | 1 | | | | | | | | | | | | | | | | | | | |
| 59020U-W4-3 | MERRILL LYNCH MORTGAGE I-SERIES 2005-A9C | | 05/01/2022 . | PAYDOWN | | 4,407 | 4,407 | 3,953 | 2,790 | ·····.0 | 1,614 | ļ0 | 1,614 | j0 | 4,407 | 0 | j0 | ·····.0 | | 12/01/2035 | . 1.D FM |
| 61751D-AE-4 | Morgan Stanley Mortgage -MSM 2006-17XS A | | 06/01/2022 . | PAYDOWN | | 8,821 | | 5.976 | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 10/01/2046 | . 1.D FM |
| 61751M-AU-8 | Morgan Stanley Mortgage -MSM 2007-10XS A | 1 | 06/01/2022 | PAYDOWN | | | 50,923 | 46.387 | 45,473 | ۵ ۱ | | ۵ ۱ | 5,450 | ۵ ۱ | 50,923 | ۵ ۱ | <u>ہ</u> | n | 310 | | 1.A FM |
| | | | | | | | | | | | | | | | | | | | | | |
| | Morgan Stanley Mortgage -MSM 2007-8XS A1 | | 06/01/2022 . | PAYDOWN | | | | | 0 | 0 | 4, 146 | 0 | 4, 146 | 0 | | 0 | 0 | 0 | | 04/01/2037 | . 1.D FM |
| | Morgan Stanley Re-REMIC -MSRR 2009-R2 1A | 1 | | PAYDOWN | | | | | | ٥ | | 0 | | 0 | | 0 | 0 | 0 | 1 375 | | 1.A FM |
| | | 1 | | PAYDOWN | | | | | | | | | | | | | | · · · · · · · · · · · · · · · · · · · | | | |
| 0-UA-V8c/Id | Morgan Stanley Re-REMIC -MSRR 2010-R2 3B | | 05/01/2022 . | . PATUUWN | | | | 15,5// | | 0 | | 0 | | 0 | | 0 | 0 | 0 | 2,422 | 10/01/2037 | . 1.D FM |
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SCHEDULE D - PART 4

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| | | | | | | | | Book/ | Unrealized | Year's | Temporary | Carrying | Book | Carrying | Exchange | Realized | | Dividends | Con- | SVO |
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| CUSIP | | | | Number of | | | | Adjusted | Valuation | (Amor- | Impairmen | t Value | /Adjusted | Value at | Gain | Gain | Total Gain | Received | tractual | Admini- |
| Ident- | | For- Disposal | Name | Shares of | Consid- | | Actual | Carrying | Increase/ | tization)/ | Recog- | (11 + 12 - | Carrying | Disposal | (Loss) on | (Loss) on | (Loss) on | Durina | Maturity | strative |
| | D | | | | | D. Male | | | | | | | | | | | | · 5 | | |
| ification | Description | eign Date | of Purchaser | Stock | eration | Par Value | Cost | Value | (Decrease) | Accretion | nized | 13) | Value | Date | Disposal | Disposal | Disposal | Year | Date | Symbol |
| 61761Q-AE-3 | MORGAN STANLEY BANK OF A-MSBAM 2013-C8 A | | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | | 1,533 | 12/01/2048 | 1.A |
| | MortgagelT Trust 2005-2-MHL 2005-2 1A2 | | PAYDOWN | | | | | | 0 | 1, 184 | 0 | 1, 184 | 0 | 3.897 | 0 | 0 | 0 | 17 | .05/25/2035 | 1.A FM |
| | | | | | | | | | 0 | | 0 | | | | 0 | 0 | 0 | | | |
| | NRP Mortgage Trust 2013NRPMT 2013-1 A1 | | PAYDOWN | | | | | | 0 | | 0 | | | | 0 | 0 | 0 | 148 | 07/01/2043 | . 1.A |
| 62955M-AA-4 | NRZ FHT Excess LLC-NZES 2020-FHT1 A | | PAYDOWN | | | | | | 0 | 1 | 0 | 1 | 0 | | 0 | 0 | 0 | 1,013 | 11/25/2025 | . 2.C FE |
| 64016N-AC-1 | Neighborly Issuer 2022-1-NBLY 2022-1A A2 | | PAYDOWN | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | 01/30/2052 | 2.B Z |
| | New Century Alternative -NCAMT 2006-ALT1 | 06/01/2022 | PAYDOWN | | 776 | | 716 | | 0 | 558 | 0 | 558 | 0 | 776 | 0 | 0 | 0 | 4 | | 1.D FM |
| | | | PAYDOWN | | 1,980 | 1,980 | | | | | | 1,529 | | | 0 | | | 13 | . 10/01/2036 | 1.D FM |
| | New Century Alternative -NCAMT 2006-ALT2 | | | | | | | | | | | | ······ | | | | | | | |
| | New Century Alternative -NCAMT 2006-ALT2 | | PAYDOWN | | | | | | 0 | 764 | 0 | 764 | 0 | | 0 | 0 | 0 | 6 | 10/01/2036 | . 1.D FM |
| 65251X-AN-6 | NewStar Berkeley Fund CL-NSBKY 2016-1A A | | PAYDOWN | | 0 | 0 | Q | ρ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 10/25/2028 | . 1. FE |
| | Nomura Asset Acceptance -NAA 2006-AP2 A2 | | PAYDOWN | | | | 1,876 | | 0 | | 0 | | 0 | 4.555 | 0 | 0 | 0 | 42 | .01/01/2036 | 1.D FM |
| | Nomura Asset Acceptance -NAA 2007-1 1A1A | 06/01/2022 | PAYDOWN | | 9.892 | 8.871 | 8,819 | 4,903 | o | 4, 149 | n | 4, 149 | ۰. ۱ | 9,892 | ۰. ۱ | ۰. ۱ | ۰. ۱ | 212 | 03/01/2047 | 1.D FM |
| | | | | | | | | | ·····.0 | | | | | | ·····.0 | 0 ^ | ·····.0 | | | |
| | Nomura Resecuritization -NMRR 2011-4RA 1 | | PAYDOWN | | 9,614 | 8,841 | 7,346 | 7,400 | 0 | | 0 | | 0 | 9,614 | 0 | 0 | 0 | | 12/01/2036 | . 1.D FM |
| 667294-AW-2 | NORTHWEST AIR 2001-1 A1-FIRST LIEN | | MATURITY | | 12,371 | | | | 0 | (14) | 0 | (14) | 0 | 12,371 | 0 | 0 | 0 | | 04/01/2022 | . 3.B FE |
| 67098A-AM-1 | OBX 2019-INV1 Trust-OBX 2019-INV1 A12 | .06/01/2022 | PAYDOWN | | 144.810 | | 132.501 | 134.864 | 0 | 9.946 | 0 | 9.946 | 0 | 144.810 | 0 | 0 | 0 | | 11/01/2048 | 1.A |
| | Oak Street Investment Gr-OAKIG 2020-1A A | | PAYDOWN | | 4,360 | 4,360 | | | 0 | 0 | 0 | | 0 | 4,360 | 0 | 0 | 0 | | | 1.A FE |
| | | | | | | | | | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | | |
| | Oak Street Investment Gr-SERIES 20-1A CL | | PAYDOWN | | 4,360 | 4,360 | 4,358 | 4,358 | 0 | 2 | 0 | 2 | 0 | 4,360 | 0 | 0 | 0 | 40 | | . 1.A FE |
| 67190A-AA-4 | Oak Street Investment Gr-OAKIG 2021-1A A | | PAYDOWN | | 8,167 | 8, 167 | | 8,166 | 0 | 1 | 0 | 1 | 0 | 8, 167 | 0 | 0 | 0 | | 01/20/2051 | . 1.A FE |
| 67190A-AB-2 | Oak Street Investment Gr-OAKIG 2021-1A A | | PAYDOWN | | | | 6,533 | 6,533 | 0 | 1 | 0 | 1 | 0 | | 0 | 0 | 0 | | 01/20/2051 | 1.A FE |
| | OBX 2019-EXP1 Trust-OBX 2019-EXP1 1A3 | | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | .01/01/2059 | 1 / |
| | | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | | |
| | OneMain Financial Issuan-OMFIT 2016-3A A | 06/18/2022 | PAYDOWN | | | | | | 0 | (725) | 0 | (725) | 0 | | 0 | 0 | 0 | 4,990 | 06/18/2031 | . 1.A FE |
| | PMT Loan Trust 2013-J1-PMTLT 2013-J1 A1 | | PAYDOWN | | 15,054 | 15,054 | 14 , 669 | | 0 | | 0 | | 0 | 15,054 | 0 | 0 | 0 | | 09/01/2043 | . 1.A |
| 693684-AA-0 | PSMC 2020-1 Trust-PSMC 2020-1 A1 | | PAYDOWN | | | | | | 0 | (997) | 0 | (997) | 0 | 47.025 | 0 | 0 | 0 | | 01/01/2050 | 1.A |
| | PSMC 2019-2 Trust-PSMC 2019-2 A1 | | PAYDOWN | | | | | | 0 | (203) | 0 | (203) | 0 | 8,492 | 0 | 0 | 0 | 112 | .10/01/2049 | 1 4 |
| | | | | | | | | | 0 | | 0 | | | | 0 | 0 | 0 | | | |
| | PSMC 2019-3 Trust-PSMC 2019-3 A1 | | PAYDOWN | | | | | | 0 | (445) | 0 | (445) | 0 | | 0 | 0 | 0 | | 11/01/2049 | . I.A |
| | Pagaya AI Debt Selection-PAID 2020-3 A | | PAYDOWN | | | | | | 0 | 1 | 0 | 1 | 0 | | 0 | 0 | 0 | 1,962 | 05/17/2027 | . 1.D FE |
| 718546-AC-8 | PHILLIPS 66-SENIOR UNSECURED NOTE | | MATURITY | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 04/01/2022 | 2.A FE |
| | Provident Funding Mortga-PFMT 2021-1 A2A | | PAYDOWN | | | | | | 0 | 1,294 | 0 | | 0 | | 0 | 0 | 0 | 1,207 | .04/01/2051 | 1 A |
| | QVC INC-1ST LIEN | | VARIOUS | | | | | | 0 | 23 | | | 0 | | 0 | (12,001) | (12,001) | | | 3.A FE |
| | | | | | | | | | 0 | | | 23 | 0 | | 0 | (13,901) | (13,901) | | 02/15/2025 | |
| | RALI Series 2007-QS4 Tru-RALI 2007 QA 3A | | PAYDOWN | | 10,784 | 10,519 | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 03/01/2037 | . 4.B FM |
| 74927T-AC-5 | RBSSP Resecuritization T-RBSSP 2010-9 3A | | PAYDOWN | | | | | | 0 | 2,635 | 0 | | 0 | | 0 | 0 | 0 | | 10/26/2034 | . 1.A FM |
| 74928D-AV-7 | RBSSP Resecuritization T-RBSSP 2009-1 7A | 06/01/2022 | PAYDOWN | | | 31.120 | | | 0 | 21.514 | 0 | 21.514 | 0 | 37.775 | 0 | 0 | 0 | 400 | 06/01/2037 | 1.D FM |
| | RBSSP Resecuritization T-RBSSP 2009-3 6A | | PAYDOWN | | 8,466 | | | | ۰. ۱ | 8,104 | n | | ۵ ۱ | 8,466 | ۰. ۱ | n | ۰. ۱ | | 03/01/2036 | 1.D FM |
| | | | | l | | | | | | | | | , | | ······ | | ······ | | | |
| | RBSSP Resecuritization T-RBSSP 2009-12 5 | | PAYDOWN | | | | | | 0 | 5,501 | 0 | 5,501 | 0 | | 0 | 0 | 0 | | 08/01/2036 | . 1.D FM |
| 749357-AA-7 | RCKT Mortgage Trust 2019-RCKT 2019-1 A1 | | PAYDOWN | | 10, 145 | 10 , 145 | 10,301 | 10,347 | 0 | (202) | 0 | (202) | 0 | 10, 145 | 0 | 0 | 0 | | 09/01/2049 | . 1.A |
| 749389-AA-0 | RCKT Mortgage Trust 2020-RCKT 2020-1 A1 | | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 02/01/2050 | . 1.A |
| 74968R-AA-3 | RMF Proprietary Issuance-RPIT 2019-1 A | | PAYDOWN | | 342,858 | | | | 0 | 2,174 | 0 | | 0 | | 0 | 0 | 0 | | | 1.A FE |
| | RMF Proprietary Issuance-RPIT 2020-1 A | | PAYDOWN | | | | | | 0 | | 0 | 2, 1/4 | 0 | | 0 | 0 | ^ | | 04/26/2060 | . 1.A FE |
| | | | | | | | | | | | | | | | | | | | | |
| | RALI Series 2006-QS13 Tr-RALI 2006-QS13 | | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | 91 | 09/25/2036 | . 1.D FM |
| | RESIDENTIAL ACCREDIT LOA-SERIES 2007-QS6 | | PAYDOWN | | | 13,319 | | 12,813 | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 04/01/2037 | . 4.B FM |
| 75116F-BH-1 | RALI Series 2007-QS9 Tru-RALI 2007-QS9 A | | PAYDOWN | | | | | | 0 | 1,687 | | 1,687 | 0 | | 0 | 0 | 0 | 1,600 | 07/01/2037 | 4.B FM |
| | Ready Capital Mortgage F-RCMT 2020-FL4 A | | PAYDOWN | | | | | | 0 | 0 | 0 | | 0 | | ۵ ۱ | 0 | n | | | 1.A FE |
| | | | PAYDOWN | | | | | | | 4.406 | | | | 19,493 | 0 | | 0 | | | |
| | RENAISSANCE HOME EQUITY -RANC 2007-3W AF | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 09/01/2037 | . 1.A FM |
| | Renaissance Home Equity -RAMC 2004-4 AF5 | | PAYDOWN | | | | | | 0 | | 0 | 2,999 | 0 | | 0 | 0 | 0 | | 02/01/2035 | . 1.A FM |
| 761118-KH-0 | RALI Series 2005-QS15 Tr-RALI 2005-QS15 | | PAYDOWN | | 1,619 | 1,875 | 1,721 | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 10/01/2035 | . 1.D FM |
| | RALI Series 2006-QS1 Tru-RALI 2006-QS1 A | | PAYDOWN | | | | | | 0 | | 0 | 1, 195 | 0 | | 0 | 0 | 0 | | | 3.B FM |
| | | | PAYDOWN | | | | | | 0 | | | | | | 0 | | 0 | | | |
| | RALI Series 2006-QS2 Tru-RALI 2006 QS2 1 | | | | | 4,084 | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | | . 4.B FM |
| | RALI Series 2006-QS2 Tru-RALI 2006-QS2 1 | | PAYDOWN | | 2,590 | 2,834 | 2,832 | 2,356 | 0 | 467 | 0 | 467 | 0 | 2,590 | 0 | 0 | 0 | 82 | 02/01/2036 | . 1.D FM |
| 76112B-NM-8 | GMACM Mortgage Loan Trus-GMACM 2005-AA1 | | PAYDOWN | | 12,816 | 6,936 | 6,424 | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 05/01/2035 | . 1.D FM |
| | RMF Buyout Issuance Trus-RBIT 2020-HB1 A | | PAYDOWN | | 8 | 8 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 10/25/2050 | 1.A FE |
| | SCF Equipment Leasing 20-SCFET 2020-1A A | | PAYDOWN | [| 0 | 0 | ۰. م | ^ | | 0 | ۰ ۱ | 0 | ^ | <u>ہ</u> | ^ | n | ^ | | 10/20/2025 | . 1. FE |
| /04004-MD-4 | OF LIGHT HORTON OF TRUCK O OF LT 2020- TA A | | | | | | V | F0.007 | 0 | | | (700) | | 40.001 | ·····.0 | 0 | 0 | | | |
| 81/43A-AA-7 | SEQUOIA MORTGAGE TRUST 2-SEMT 2019-5 A1 | | PAYDOWN | | | | | | 0 | (796) | 0 | (796) | 0 | | 0 | 0 | 0 | | 12/01/2049 | . 1.A |
| 81745A-AB-3 | Sequoia Mortgage Trust 2-SEMT 2013-5 A2 | | PAYDOWN | | | | | | 0 | 1,366 | 0 | | 0 | | 0 | 0 | 0 | | 05/01/2043 | . 1.A |
| 81745.I-AA-6 | Sequoia Mortgage Trust 2-SEMT 2013-11 A1 | | PAYDOWN | | | | | | 0 | | 0 | | ٥ | | 0 | ٥ | ٥ | | 09/01/2043 | 1.A |
| | Sequoia Mortgage Trust 2-SEMT 2013-2 A | | | [| | | | | ۰ ۱ | .2.138 | n | | 0 | | ۰ ۱ | 0 | n | | 02/01/2043 | |
| 01/4011-64-9 | ooquora mortyaye riust 2-olmi 2010-2 A | | | | 20,001 | £J,UðI | | | 0 | | | | 0 | | 0 | 0 | 0 | | | |
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SCHEDULE D - PART 4

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Ch | nange In Bo | ok/Adiusted | Carrying Va | lue | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 1 | | 1 | 1 | - | 1 - | 1 | - | - | - | | | | 1 0 | | - | 1 | | 1 - | - | | NAIC |
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| | | | | | | | | | | | | | Total | Total | | | | | | | Desig- |
| | | | | | | | | | | | | Current | Change in | Foreign | | | | | Bond | | nation |
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| | | | | | | | | | | | | Year's | Book/ | Exchange | Book/ | | | | Interest/ | | Modifier |
| | | | | | | | | | Prior Year | | Current | Other Than | n Adjusted | Change in | Adjusted | Foreign | | | Stock | Stated | and |
| | | | | | | | | | | | | | | 0 | , | 0 | | | | | |
| | | | | | | | | | Book/ | Unrealized | Year's | Temporary | Carrying | Book | Carrying | Exchange | Realized | | Dividends | Con- | SVO |
| CUSIP | | | | | Number of | | | | | | | | | | Value at | Gain | Gain | Total Gain | Received | tractual | Admini- |
| | | | | | | | | | Adjusted | Valuation | (Amor- | Impairmen | t Value | /Adjusted | value at | Gain | Gain | | | | |
| Ident- | | For- | Disposal | Name | Shares of | Consid- | | Actual | Carrying | Increase/ | tization)/ | Recog- | (11 + 12 - | Carrying | Disposal | (Loss) on | (Loss) on | (Loss) on | During | Maturity | strative |
| | D d. the . | | | | | | Destruction | | , , | | | | | | | | | | 0 | | |
| ification | Description | eign | Date | of Purchaser | Stock | eration | Par Value | Cost | Value | (Decrease) | Accretion | nized | 13) | Value | Date | Disposal | Disposal | Disposal | Year | Date | Symbol |
| 81748.I-AA-3 | Sequoia Mortgage Trust 2-SEMT 2019-4 A1 | | | PAYDOWN | | | 13.929 | | | 0 | (435) | 0 | (435) | 0 | 13,929 | 0 | 0 | 0 | | | 1 A |
| 81748K-AA-0 | | | | PAYDOWN | | | | | | 0 | (1,232) | | (1,232) | 0 | 35.556 | 0 | | | | | 4 4 |
| | | | | | | | | | | 0 | | | (1,232) | 0 | | 0 | 0 | 0 | | 03/01/2050 . | I.A |
| 817743-AA-5 | | | 04/25/2022 | PAYDOWN | | 2,500 | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | 10/25/2049 . | 2.C FE |
| 83546D-AI -2 | Sonic Capital LLC-SONIC 2020-1AW A2IW | 1 | | PAYDOWN | 1 | | 3, 125 | | | 0 | (53) | 0 | (53) | n | | 0 | 0 | 0 | .27 | 01/20/2050 . | 1.C FE |
| | Sonic Capital LLC-SONIC 2020-1AW A21W | 1 | | PAYDOWN | [| | | | | | (33) | | | , , | | | 0 | | | 01/20/2050 . | |
| | | | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | | 1.C FE |
| 83611M-JX-7 | Soundview Home Loan Trus-SVHE 2005-0PT4 | | 06/27/2022 . | PAYDOWN | | | | | | 0 | 646 | 0 | 646 | 0 | | 0 | 0 | 0 | | 12/25/2035 . | 1.A FM |
| 84858D-AA-6 | SPIRIT AIR 2015-1 PTT A-SECURED | 1 | 04/01/2022 | SINKING PAYMENT | 1 | | | | | 0 | (10) | 0 | (10) | 0 | 24,143 | 0 | 0 | 0 | 495 | .04/01/2028 | 2.B FE |
| 855541-AC-2 | | 1 | | PAYDOWN | [| | | | | 0 | | ^ | | ^ | | ^ | ^ | ^ | 81 | 01/01/2037 . | |
| | | | | | | | | | | 0 | | 0 | | 0 | | | 0 | | | | |
| | | | 06/20/2022 . | . PAYDOWN | | 8,076 | 8,076 | 8,072 | 8,074 | 0 | 2 | 0 | 2 | 0 | 8,076 | 0 | 0 | 0 | | 10/20/2046 . | 1.E FE |
| 86212V-AD-6 | Store Master Funding I-V-STR 2018-1A A1 | | | PAYDOWN | l | | | 4,999 | | | | 0 | 1 | | 5.000 | | 0 | | | 10/20/2048 | 1.A FE |
| 86213C-AB-1 | STORE MASTER FUNDING LLC-SERIES 2015-1A | 1 | 06/20/2022 | PAYDOWN | | 1.250 | 1.250 | 1.230 | 1.242 | ^ | 0 | ۰ ۱ | 0 | ۰. ۱ | 1.250 | ۰. ۱ | ۰ ۱ | ۰. ۱ | 22 | | 1.E FE |
| | | | | | · | | | | | 0 | | | | 0 | | ······ | | ······ | | | |
| | Structured Adjustable Ra-SARM 2005-17 5A | | 05/25/2022 . | . PAYDOWN | | 35,645 | | | 17,415 | 0 | | 0 | | 0 | | 0 | 0 | 0 | 65 | 08/25/2035 . | 1.D FM |
| 863579-XC-7 | Structured Adjustable Ra-SARM 2005 - 18 | | | PAYDOWN | L | | | | | 0 | | | | | | | | | | 09/01/2035 . | |
| | | | 06/01/2022 | PAYDOWN | | | | | | 0 | | 0 | | 0 | .9,691 | 0 | 0 | 0 | | .05/01/2036 | 1.D FM |
| | | | | | | | | | | 0 | | 0 | | 0 | | | 0 | 0 | | | |
| | Structured Asset Securit-SASC 2007-RM1 A | | 06/25/2022 . | PAYDOWN | | 1,032,086 | 1,032,086 | | | 0 | 53,618 | 0 | | 0 | 1,032,086 | 0 | 0 | 0 | 2,248 | 05/25/2047 . | 1.E FE |
| 86363G-AF-1 | Structured Adjustable Ra-SARM 2007-3 3A1 | | 06/01/2022 . | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 04/01/2047 . | 1.D FM |
| 869507-AA-1 | SUTTONPARK STRUCTURED SE-SERIES 17-1A CL | | | PAYDOWN | | | 10,621 | | | 0 | 4 | 0 | 4 | 0 | | 0 | 0 | 0 | | 01/15/2071 . | 1.A FE |
| | TBW Mortgage-Backed Trus-TBW 2007-1 A2 | | | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | .03/25/2037 | 1.D FM |
| | TDW MUT LYaye-backeu Trus-TDW 2007-1 A2 | | | | | | | | 0 | 0 | | 0 | | 0 | | | 0 | 0 | | | |
| 87222E-AC-2 | | | 06/01/2022 . | PAYDOWN | | 40,800 | | 14,795 | 0 | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 03/01/2037 . | 1.D FM |
| 87342R-AF-1 | Taco Bell Funding LLC-BELL 2018-1AW A2W | | | PAYDOWN | | | | | | 0 | (1) | 0 | (1) | 0 | | 0 | 0 | 0 | 86 | 11/25/2048 . | 1.C FE |
| | TCF National Bank-SUBORDINATED | | | MATURITY | | 1.000.000 | 1,000,000 | | 999.474 | 0 | 526 | 0 | 526 | 0 | 1.000.000 | 0 | 0 | 0 | | 06/08/2022 . | 2.A FE |
| | | | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | | |
| 88156E-AB-2 | | | 06/27/2022 . | . PAYDOWN | | | | | | 0 | (1,893) | 0 | (1,893) | 0 | | 0 | 0 | 0 | | 01/25/2038 . | 1.A FM |
| 88157V-AB-3 | Terwin Mortgage Trust 20-TMTS 2007-6ALT | | | PAYDOWN | | 10,611 | 10,611 | | | 0 | | 0 | 4, 150 | 0 | | 0 | 0 | 0 | | 08/25/2038 . | 1.A FM |
| 88159D-AA-3 | | | | PAYDOWN | | | | | | 0 | 87 | 0 | | 0 | | 0 | 0 | 0 | | 10/20/2047 . | |
| | | | | PAYDOWN | | | 23,409 | | | | | | | 0 | 23,409 | 0 | 0 | 0 | | | |
| | TRINITY RAIL LEASING L.P-SERIES 2009-1A | | | | | 23,409 | | | | 0 | (4) | | (4) | 0 | | 0 | 0 | 0 | | | 2.C FE |
| 89656C-AA-1 | Trinity Rail Leasing 201-TRL 2010-1A A | | 06/16/2022 . | . PAYDOWN | | | | | | 0 | (1,783) | 0 | (1,783) | 0 | | 0 | 0 | 0 | 1,459 | 10/16/2040 . | 1.F FE |
| 89657B-AA-2 | Trinity Rail Leasing 201-TRL 2019-1A A | | 05/17/2022 . | PAYDOWN | | | | | | 0 | | 0 | 1,547 | 0 | | 0 | 0 | 0 | | 04/17/2049 . | 1.F FE |
| 89657B-AB-0 | | | | PAYDOWN | | | | | | 0 | 7 | 0 | 7 | 0 | | 0 | 0 | 0 | | | 1.F FE |
| | | | | | | | | | | | 4 | | 4 | 0 | | 0 | 0 | 0 | | | |
| 90352W-AD-6 | ITE Rail Fund Levered LP-SERIES 21-1A CL | | 06/28/2022 . | PAYDOWN | | | 17,881 | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | 179 | 02/28/2051 . | 1.F FE |
| 90783T-AA-8 | Union Pacific Railroad C-FIRST LIEN | | 04/22/2022 . | . SINKING PAYMENT | | | | | | 0 | (353) | 0 | (353) | 0 | | 0 | 0 | 0 | 5,904 | 07/02/2025 . | 1.D FE |
| 909287-AA-2 | UAL 2007 PASS TRUST-FIRST LIEN | | 05/25/2022 | CALL 100 | | 237.426 | 237.426 | 229,116 | 236.249 | | 908 | 0 | 908 | 0 | 237.157 | | 268 | 268 | 15.522 | .07/02/2022 . | 3.C FE |
| | UNITED AIR 2015-1 AA PTT-FIRST LIEN | | | SINKING PAYMENT | | | | | | ۵. ۱ | (18) | n | (18) | ۵ ۱ | 72,530 | ۵ ۱ | 0 | 0 | 1,251 | 12/01/2027 | 1.F FE |
| | | | | | · [| | | | | | | | | | | ······· | | ······· | | | |
| | United Airlines 2014-1 C-SECURED NOTE | | 04/11/2022 . | . SINKING PAYMENT | | | | | | 0 | | ·0 | | 0 | | 0 | 0 | 0 | | 04/11/2026 . | |
| 91823A-AG-6 | VB-S1 Issuer LLC-VBTOW 2018-1A C | | 06/30/2022 . | . PAYDOWN | | 0 | Q | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Q | 0 | 0 | 0 | 3,034 | 02/15/2048 . | 1. FE |
| 92212K-AA-4 | | 1 | 06/15/2022 | PAYDOWN | | | | | | 0 | 0 | 0 | 0 | 0 | 2.500 | 0 | 0 | 0 | | .07/15/2044 | |
| | Welly Martaga Dava Thr WARL 0007 11/4 0 | | 06/01/2022 | PAYDOWN | | | | 10.174 | | | (419) | | (419) | | | 0 | | | | | 3.B FM |
| | WaMu Mortgage Pass-Throu-WAMU 2007-HY1 2 | | | | · | | | | | 0 | | | | 0 | | | 0 | ······0 | | 02/01/2037 | |
| 92938E-AM-5 | | | 05/01/2022 . | . PAYDOWN | | | | | | 0 | (28) | 0 | (28) | 0 | | 0 | 0 | 0 | 1,953 | 09/01/2046 . | 1.A |
| | WaMu Mortgage Pass-Throu-WAMU 2006-AR19 | 1 | 06/01/2022 . | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | .92 | 01/01/2047 | 1.D FM |
| | | | | PAYDOWN | | | | | | | (2,564) | | (2,564) | | | 0 | 0 | ^ | | | |
| 93363P-AC-4 | WaMu Mortgage Pass-Throu-WAMU 2006-AR14 | | | | | | | | | 0 | | | | 0 | | ······ | 0 | | | 11/01/2036 . | 3.B FM |
| 93934F-MD-1 | Washington Mutual Mortga-WMALT 2006-2 2C | | 06/01/2022 . | PAYDOWN | | 6,014 | | 7,444 | 7,444 | 0 | 1,426 | 0 | 1,426 | 0 | 6,014 | 0 | 0 | 0 | | 03/01/2036 | 4.B FM |
| 93934N-AC-9 | Washington Mutual Mortga-WMALT 2006-5 1A | I | 06/01/2022 . | PAYDOWN | L | | 6,752 | | | 0 | | 0 | | 0 | | | | | | 07/01/2036 . | |
| 93934N-AR-6 | | 1 | | PAYDOWN | | | | | | 0 | | 0 | | n | | 0 | 0 | 0 | | 07/25/2036 . | |
| | | | | | | | | | | 0 | | | 2,02/ | | | | | 0 | | | |
| | Wells Fargo Commercial M-WFCM 2016-C32 A | | 06/30/2022 . | PAYDOWN | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 01/01/2059 . | <u> </u> ! |
| 95002F-AA-2 | Wells Fargo Mortgage Bac-WFMBS 2019-4 A1 | | 06/01/2022 . | PAYDOWN | | | | | | 0 | (2,669) | 0 | (2,669) | 0 | | 0 | 0 | 0 | 1,906 | 09/01/2049 . | |
| 95002K-AA-1 | Wells Fargo Mortgage Bac-WFMBS 2020-1 A1 | 1 | | PAYDOWN | 1 | | | | | 0 | (228) | 0 | (228) | 0 | | 0 | 0 | 0 | | 12/01/2049 . | 1 A |
| 95058X-AG-3 | | 1 | | PAYDOWN | [| | | | | ۰. ۱ | (220) | | | ۰. ۱ | | 0 | 0 | <u> </u> | | 06/15/2049 . | 2 8 55 |
| | | | | | | | | | | 0 | | | | 0 | | | | | | | 2.B FE |
| 96034L-AA-9 | Westgate Resorts 2020-1 -WESTR 2020-1A A | | 06/01/2022 . | . PAYDOWN | | 67, 362 | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 03/01/2034 . | 1.A FE |
| 96928*-CQ-8 | William Blair & Company, Trust Certifcat | | | SINKING PAYMENT | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | 06/15/2033 . | |
| | William Blair & Company, Trust Certifcat | 1 | | SINKING PAYMENT | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | 05/15/2034 . | 2.B |
| | | | | PAYDOWN | | | | | | | | | | | 21.748 | | | | | | |
| | Willis Engine Structured-WESTF 2020-A A | | 06/15/2022 . | | | 21,748 | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | | 03/15/2045 . | |
| 97652P-AL-5 | WinWater Mortgage Loan T-WIN 2014-1 A11 | | 06/01/2022 . | PAYDOWN | | 5,646 | 5,646 | 5,611 | 5,614 | 0 | | 0 | | 0 | 5,646 | 0 | 0 | 0 | 95 | 06/01/2044 . | 1.A |
| 98920M-AA-0 | ZAXBY'S FUNDING LLC-ZAXBY 2021-1A A2 | | 04/30/2022 | PAYDOWN | | | | | 0 | 0 | | | | 0 | | 0 | 0 | 0 | | 07/30/2051 | |
| | BDS 2019-FL4 LTD-BDS 2019-FL4 A | n | | PAYDOWN | [| 2.699.685 | 2.699.685 | 2.515.461 | 2.659.633 | ۵. ۱ | | 0 | | 0 | 2.699.685 | 0 | 0 | 0 | | | |
| | | D | | | | | | | | 0 | | | | 0 | | ······ | | ·····. | | | |
| 054920-44-4 | BDS 2020-FL5 LTD-BDS 2020-FL5 A | U | | . PAYDOWN | | | 630,167 | 630,843 | 630,488 | 0 | (320) | 0 | (320) | 0 | 630, 167 | 0 | 0 | 0 | 7,048 | 02/16/2037 . | I.A FE |
| | | | | | | | | | | | | | | | | | | | | | |

SCHEDULE D - PART 4

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Ch | nange In Bo | ok/Adjusted | Carrying Va | lue | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| | | | | | | | | | | 11 | 12 | 13 | 14 | 15 | | | | | | | NAIC |
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| | | | | | | | | | | | | | Total | Total | | | | | | | Desig- |
| | | | | | | | | | | | | Current | Change in | Foreign | | | | | Bond | | nation |
| | | | | | | | | | | | | Year's | Book/ | Exchange | Book/ | | | | Interest/ | | Modifier |
| | | | | | | | | | Prior Year | | Quant | | | | | Foreign | | | | Ctotod | |
| | | | | | | | | | | | Current | Other Thar | | Change in | Adjusted | Foreign | | | Stock | Stated | and |
| | | | | | | | | | Book/ | Unrealized | Year's | Temporary | Carrying | Book | Carrying | Exchange | Realized | | Dividends | Con- | SVO |
| CUSIP | | | | | Number of | | | | Adjusted | Valuation | (Amor- | Impairmen | t Value | /Adjusted | Value at | Gain | Gain | Total Gain | Received | tractual | Admini- |
| Ident- | | For- | Disposal | Name | Shares of | Consid- | | Actual | Carrying | Increase/ | tization)/ | Recog- | (11 + 12 - | Carrying | Disposal | (Loss) on | (Loss) on | (Loss) on | During | Maturity | strative |
| ification | Description | eian | Date | of Purchaser | Stock | eration | Par Value | Cost | Value | (Decrease) | Accretion | nized | 13) | Value | Date | Disposal | Disposal | Disposal | Year | Date | Symbol |
| | BP CAPITAL MARKETS PLC-SR UNSECURED | Cigii | | CALL 100.843051 | Otook | | 2,000,000 | 2,000,000 | 2,000,000 | (Decrease) | Accretion | Tilzeu | 13) | value | 2,000,000 | Disposul | | | | 02/10/2024 . | , |
| 05586A-AC-2 | | D | 06/30/2022 | PAYDOWN | | 2,016,861 | 2,000,000 | 2,000,000 | 2,000,000 | 0 | | 0 | | 0 | | 0 | | 16,861 | | 02/10/2024 . | . 1.G FE |
| | | D | | PAYDOWN | | | | | | 0 | | 0 | | 0 | 1.288.375 | 0 | 0 | 0 | | | |
| | BSPRT 2019-FL5 Issuer Lt-BSPRT 2019-FL5 | D | | PAYDOWN | ••••• | 1,288,375 380,132 | 1,288,375 | 1,288,796 | | 0 | (109) 47 | 0 | (169) 47 | 0 | | 0 | 0 | 0 | | 05/15/2029 . | . 1.A FE |
| | Ellington Clo I Ltd-ECLO 2017-1A AR | D | | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 10/15/2029 . | . 1.A FE |
| | Ellington Clo II Ltd-ECLO 2017-2A A | D | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 02/15/2029 . | . 1.A FE |
| | FS Rialto 2019-FL1-FSRIA 2019-FL1 A | D | | PAYDOWN | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 2,276 | 12/16/2036 . | . 1.A FE |
| | GoldenTree Credit Opport-GTCOP 2012-1A A | D | 05/02/2022 | PAYDOWN | | 61,902 | | 61,900 | | 0 | | | | ļ0 | | 0 | 0 | ······ | | 06/15/2034 . | . 1.A FE |
| | | D | | | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 10/15/2029 . | . 1.A FE |
| | Hildene TruPS Securitiza-HITR 2019-2A A1 | D | 05/23/2022 | PAYDOWN | | | | | | 0 | 351 | 0 | 351 | 0 | | 0 | 0 | 0 | | 05/22/2039 . | . 1.0 FE |
| | HORZN 2018-1 A | L | 05/15/2022 06/15/2022 | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 12/15/2038 . | . 2.A FE |
| | Horizon Aircraft Finance-HORZN 2019-1 A | D | | | | | | | | 0 | (1) | 0 | (1) | 0 | | 0 | | 44.500 | | 07/15/2039 . | . 2.B FE |
| 46132F-AA-8 | Invesco Finance PLC-SENIOR UNSECURED | D | | CALL 100.724 | | 2,014,480 | 2,000,000 | 1,998,420 | 1,999,845 | 0 | | 0 | | 0 | 1,999,897 | 0 | 14,583 | 14,583 | | 11/30/2022 . | . 2.A FE |
| 46603B-AN-9 | | D | | PAYDOWN | | | 0 | | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | | 01/18/2030 . | . 1. FE |
| | Jamestown CLO V Ltd-JTWN 2014-5A B2R | D | 04/17/2022 | PAYDOWN | | | | | | 0 | (14) | 0 | (14) | 0 | | 0 | 0 | 0 | 4,713 | 01/17/2027 . | . 1.A FE |
| | KDAC Aircraft Finance Lt-SERIES 17-1A CL | D | 06/15/2022 | PAYDOWN | | | | | | 0 | 0 | 0 | 0 | 0 | 15,520 | 0 | 0 | 0 | | 12/15/2042 . | . 3.C FE |
| | Kestrel Aircraft Funding-KSTRL 2018-1A A | D | | PAYDOWN | | | | | | 0 | | 0 | | 0 | | 0 | 0 | 0 | | 12/15/2038 . | . 2.B FE |
| | LoanCore 2018-CRE1 Issue-LNCR 2018-CRE1 | D | 06/15/2022 | PAYDOWN | | | | | | 0 | 11,734 | 0 | 11,734 | 0 | | 0 | 0 | 0 | 1, 109 | 05/15/2028 . | . 1.A FE |
| | MF1 2020-FL3 Ltd-MF1 2020-FL3 A | C | 06/15/2022 | PAYDOWN | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 4,441 | 07/15/2035 . | . 1.A FE |
| | Newfleet CL0 2016-1 Ltd-NEWFL 2016-1A A2 | D | 04/20/2022 | PAYDOWN | | | | | | 0 | 2 | 0 | 2 | 0 | | 0 | 0 | 0 | 1,069 | 04/20/2028 . | . 1.A FE |
| | PFP 2019-5 Ltd-PFP 2019-5 A | D | 06/30/2022 | PAYDOWN | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 101 | 04/14/2036 . | . 1. FE |
| | Pioneer Aircraft Finance-SERIES 19-1 CLA | D | 06/15/2022 | PAYDOWN | | 45, 127 | | | | 0 | 1 | 0 | 1 | 0 | | 0 | 0 | 0 | | 06/15/2044 . | . 2.B FE |
| | RESI Finance LP 2005-A-RESIF 2005-A B3 | D | 06/10/2022 | PAYDOWN | | 0 | | | 16 | 0 | | 0 | 139 | 0 | 0 | 0 | 0 | 0 | 2 | 03/10/2037 . | . 1.D FM |
| | | D | 05/15/2022 | CALL 100 | | 3,000,000 | 3,000,000 | | 3,000,000 | 0 | 0 | 0 | 0 | 0 | 3,000,000 | 0 | 0 | 0 | | 05/15/2023 . | . 2.A FE |
| 80306A-AA-8 | | D | 06/15/2022 | PAYDOWN | | | | | | 0 | 9 | 0 | 9 | 0 | | 0 | 0 | 0 | | 03/15/2040 . | . 2.B FE |
| | TPG Real Estate Finance -TRTX 2018-FL2 A | D | | PAYDOWN | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19,604 | 11/15/2037 . | . 1. FE |
| | TruPS Financials Note Se-TFINS 2017-2A A | D | 06/21/2022 | PAYDOWN | | | 5,950 | 5,831 | 5,849 | 0 | 101 | 0 | 101 | 0 | 5,950 | 0 | 0 | 0 | | 09/20/2039 . | . 1.D FE |
| | TruPS Financials Note Se-TFINS 2020-2A A | D | 04/15/2022 | PAYDOWN | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 2, 138 | 07/15/2041 . | . 1.C FE |
| | TruPS Financials Note Se-TFINS 2019-1A A | D | 05/02/2022 | PAYDOWN | | | | | | 0 | 0 | ·····.0 | 0 | ······0 | | 0 | 0 | 0 | | 02/02/2039 . | . 1.0 FE |
| 89822P-AA-1 | TruPS Financials Note Se-2020-1A A1 | D | 04/15/2022 | PAYDOWN | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 2,441 | 04/15/2040 . | . 1.0 FE |
| | WhiteHorse X Ltd-WITEH 2015-10A B2 | υ | 04/17/2022 | PAYDOWN | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 8,925 | 04/17/2027 . | . 1.A FE |
| | Garrison Funding 2015-1RR Ltd | | 04/29/2022 | PAYDOWN | | | 457,778 | 457 , 778 | 457,778 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | Q | 09/22/2029 . | . 1.A FE |
| 110999999 | Subtotal - Bonds - Industrial and M | liscella | aneous (Un | affiliated) | | 60,613,385 | 60,323,777 | 59,385,582 | 59,405,962 | 304 | 634,036 | 366 | 633,974 | 0 | 60,304,969 | 0 | 308,422 | 308,422 | 1,080,562 | XXX | XXX |
| 250999999 | 97. Total - Bonds - Part 4 | | | | | 68,660,818 | 68.371.210 | 67,532,082 | 67.508.243 | 304 | 615.350 | 366 | 615.288 | 0 | 68.388.563 | 0 | 272.261 | 272.261 | 1.246.825 | XXX | XXX |
| | 98. Total - Bonds - Part 5 | | | | | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX |
| | | | | | | | | | | | | | | | | | | | | XXX | |
| | 99. Total - Bonds | | | | | 68,660,818 | 68,371,210 | 67,532,082 | 67,508,243 | 304 | 615,350 | 366 | 615,288 | 0 | 68,388,563 | 0 | , | 272,261 | 1,246,825 | | XXX |
| | 97. Total - Preferred Stocks - Part 4 | | | | | 0 | XXX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | • | 0 | 0 | XXX | XXX |
| 450999999 | 98. Total - Preferred Stocks - Part 5 | | | | | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX |
| | 99. Total - Preferred Stocks | | | | | ٥ | XXX | 0 | ٥ | 0 | 0 | | 0 | ٥ | 0 | 0 | - | 0 | ٥ | XXX | XXX |
| | | | | | | 0 | | | 0 | - | | 0 | - - | 0 | * | 0 | | 0 | 0 | | |
| | 97. Total - Common Stocks - Part 4 | | | | | 0 | XXX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | • | 0 | 0 | XXX | XXX |
| 598999999 | 98. Total - Common Stocks - Part 5 | | | | | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX | XXX |
| 598999999 | 99. Total - Common Stocks | | | | | 0 | XXX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | XXX | XXX |
| | 99. Total - Preferred and Common Sto | ocke | | | | 0 | XXX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | 0 | 0 | XXX | XXX |
| | | 0003 | | | | 0 | | • | 0 | ů. | - | - | ů | Ů | 0 | Ů | - | v | 0 | | |
| 600999999 | 19 - I Otais | | | | | 68,660,818 | XXX | 67,532,082 | 67,508,243 | 304 | 615,350 | 366 | 615,288 | 0 | 68,388,563 | 0 | 272,261 | 272,261 | 1,246,825 | XXX | XXX |

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| Integrid Description Control Special Control Description Frage Description Frade </td <td></td> <td>Striko</td> <td></td> <td>Cradit</td> <td>Hedge</td> | | | | | | | | | | | Striko | | | | | | | | | | | Cradit | Hedge |
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| Normal Call Marker Normal Ca | S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | . THROUGH CBO | . 9R7GPTS07KV3UQJZQ078 . | 01/06/2022 | 01/06/2023 . | | 5,635,260 | 4696.05000000 | | | |) | | 4480 | 00 | |)) | | | 0001 |
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| Source Instant Source | S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CBO | 9R7GPTS07KV3U0, IZ0078 | 01/06/2022 | 01/06/2023 | | 1 878 420 | 4696 05000000 | | 142 948 | (68 537 | 74 411 | 1 | 979 (| 0 | (68 537 | 7) | | | 0001 |
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| ab 20. UBULT PECC Exhibit 5. Interest CTBAK N. L. BEXTREPERTING. 6/0.0202 2/0.04/202 2/0.04/202 2/0.04/202 2/0.04/202 2/0.04/202 2/0.04/202 2/0.04/202 2/0.04/202 2/0.04/202 2/0.04/202 2/0.04/202 2/0.04/202 2/0.04/202 2/0.04/202 2/0.04/202 2/0.04/202 2/0.04/202 2/0.04/202 2/0.04/202 1/0.04/202 0/0.02/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 0/0.04/202 <td< td=""><td></td><td>LIABILIII HEUGE</td><td>EXHIDIL 5</td><td>interest</td><td>. IHHUUGH UBU</td><td>. 9R/GP150/KV30QJZQU/8 .</td><td>01/06/2022</td><td>01/06/2023 .</td><td></td><td></td><td>4090.00000000</td><td></td><td>/1,4/4</td><td></td><td>)</td><td></td><td>/20</td><td></td><td></td><td>)</td><td></td><td></td><td>0001</td></td<> | | LIABILIII HEUGE | EXHIDIL 5 | interest | . IHHUUGH UBU | . 9R/GP150/KV30QJZQU/8 . | 01/06/2022 | 01/06/2023 . | | | 4090.00000000 | | /1,4/4 | |) | | /20 | | |) | | | 0001 |
| NUESCO 11 LUBLITY HOLE Calult 12 Interest CITIBANK N.A. EDDART/FEGNESS P/0.022 D/0.022 D/0.022 <thd 0.022<="" th=""> <thd 0.022<="" th=""> D/</thd></thd> | 145246 Call Options - | | | | | | | | | | | | | | | | | | | | | | |
| NUESCO 11 LUBLITY HOLE Calult 12 Interest CITIBANK N.A. EDDART/FEGNESS P/0.022 D/0.022 D/0.022 <thd 0.022<="" th=""> <thd 0.022<="" th=""> D/</thd></thd> | S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | CITIBANK N.A. | E570DZWZ7FF32TWEFA76 | 01/06/2022 | 01/06/2023 | | 5,707,125 | 4696.05000000 | | 446.320 | (213,989) | 232.331 | 7 | 034 (| 0 | (213.989 | 3) | | | 0001 |
| 98 - 90 [16] ULTY HERE Exhib 15 Interest 0710/02/2012 1/10/2022 1/20/2022 1/20/2022 1/20/2022 1/20/2022 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 | | | | | | | | | | | | | | | ,,,, | | | | | ., | | | |
| NESSE GLI [1] for large - large lar | 145255 Gall Options - | | | | | | | | | | | | | | | | | | | | | | |
| BP 500 LUBULTY PEOE Enhit 5 Interest T1300 K JA EDV00/202 1,28,469 468,200000 9,08 (6,444 001 MP 500 LUBULTY PEOE Enhit 5 Interest STERE SERVICE STERE SERVICE (100/2022 1,28,469 468,500000 50,011 (140,401) 50,020 (140,400) 20,000 (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) | | LIABILITY HEDGE | Exhibit 5 | Interest | . CITIBANK N.A | . E570DZWZ7FF32TWEFA76 . | 01/06/2022 | 01/06/2023 . | | | 4696.05000000 | | | |) | | 9430 |)0 | |) | | | 0001 |
| BP 500 LUBULTY PEOE Enhit 5 Interest T1300 K JA EDV00/202 1,28,469 468,200000 9,08 (6,444 001 MP 500 LUBULTY PEOE Enhit 5 Interest STERE SERVICE STERE SERVICE (100/2022 1,28,469 468,500000 50,011 (140,401) 50,020 (140,400) 20,000 (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) (140,400) | 145256 Call Options - | | | | | | | | | | | | | | | | | | | | | | |
| NAGE GLI GIVE - BY SDD LIBUITY HODE Enhibit 5 Interest COPE DESCRIPTION ALL FACE SDN. OPE DESCRIPTION ALL | | LIADILITY HEDGE | Evhibit E | Interest | CITIDANK N A | | 01/06/2022 | 01/06/2022 | | 1 000 656 | 4606 0500000 | | 06 060 | (16 111) | 50 404 | 2 | 040 | | (16 111 | 1) | | | 0001 |
| By: Bit | | LIADILIII NEUGE | EXILIDIT 5 | interest | . CITIDAINN N.A | . E3/UDZ#Z/FF321#EFA/0 . | 01/00/2022 | 01/00/2023 . | | | 4090.00000000 | | | |) | ····· · | 240 | | | •) | | | 0001 |
| By: Bit | 145298 Call Options - | | | | | | | | | | | | | | | | | | | | | | |
| MS33 GLI Quitane LuellLTY #D2E Enbit 5 Interest MS4797GLI Quitane A482 700000 A482 7000000 A482 700000 A482 700000 <td>S&P 500</td> <td>LIABILITY HEDGE</td> <td>Exhibit 5</td> <td>Interest</td> <td>SOCIETE GENERAL</td> <td>02BNE81BXP4B0TD8PU41</td> <td>01/06/2022</td> <td>01/06/2023</td> <td></td> <td>6 526 425</td> <td>4696 05000000</td> <td></td> <td>509 061</td> <td>(244 070)</td> <td>264 991</td> <td></td> <td>114 (</td> <td>0</td> <td>(244 070</td> <td>))</td> <td></td> <td></td> <td>0001</td> | S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | SOCIETE GENERAL | 02BNE81BXP4B0TD8PU41 | 01/06/2022 | 01/06/2023 | | 6 526 425 | 4696 05000000 | | 509 061 | (244 070) | 264 991 | | 114 (| 0 | (244 070 |)) | | | 0001 |
| BP 50 LVB/LITY HERE Exhibit 5 Interest N.A. W3H/USPRVING/LITOP 0/12/0202 0/12/0202 5,781,927 4682,700000 388,950 118,613 950,222 775 0 0 (141,163) 001 MS783 Lill (q11ms - SP 50) LVB/LITY HERE Exhibit 5 Interest KS19150/K103/L0078 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 0/12/0202 | | | | | | | | | | | | | | | | | | | | ,, | | | |
| MARTY Call Quiting ELLS FROD BMK Method State Flags (Lif Quiting - State St | 145765 Call Options - | | | | | | | | | | | | | | | | | | | | | | |
| SiP 500 LIABILITY HEXE Exhibit 5 Interest N.A. KiPHIOSPREMINDLE/TOB 0/20/2022 0/20/2023 3,896,488 4482,7300000 520,029 1/41,163 778,665 9,666 0 1/41,163 001 45783 Call Cytime Exhibit 5 Interest Holder FINALLAL 2025,07/102/2023 0/20/2023 2,241,365 4492,700000 774,300 1/74,300 0 0 1/41,163 0 001 45793 Call Cytime Exhibit 5 Interest Findor FOM 99797570/100,20076 0/120/2022 0/120/2022 0/120/2022 0/120/2023 5,677 6,077 0 0 (46,151) 001 4593 Call Cytime Exhibit 5 Interest Findor FOM 99797570/100,20076 0/120/2022 0/120/2022 1,344,89 4482,7300000 104,683 (46,151) 0 0 (46,151) 001 49593 Call Cytime Exhibit 5 Interest Findor 60 99797570/130,20076 0/120/202 0/120/202 5,877,98 4492,7300000 453,388 (199,688 59,677 0 0 (46,151) 0 0001 4985 Call Cytime <td></td> <td>LIABILITY HEDGE</td> <td>Exhibit 5</td> <td>Interest</td> <td>. N.A</td> <td>. KB1H1DSPRFMYMCUFXT09 .</td> <td>01/20/2022</td> <td>01/20/2023 .</td> <td></td> <td>5,758,127</td> <td>4482.73000000</td> <td></td> <td></td> <td>(118,613)</td> <td>)</td> <td></td> <td>751(</td> <td>)0</td> <td>(118,613</td> <td>3)</td> <td></td> <td></td> <td>0001</td> | | LIABILITY HEDGE | Exhibit 5 | Interest | . N.A | . KB1H1DSPRFMYMCUFXT09 . | 01/20/2022 | 01/20/2023 . | | 5,758,127 | 4482.73000000 | | | (118,613) |) | | 751(|)0 | (118,613 | 3) | | | 0001 |
| SiP 500 LIABILITY HEXE Exhibit 5 Interest N.A. KiPHIOSPREMINDLE/TOB 0/20/2022 0/20/2023 3,896,488 4482,7300000 520,029 1/41,163 778,665 9,666 0 1/41,163 001 45783 Call Cytime Exhibit 5 Interest Holder FINALLAL 2025,07/102/2023 0/20/2023 2,241,365 4492,700000 774,300 1/74,300 0 0 1/41,163 0 001 45793 Call Cytime Exhibit 5 Interest Findor FOM 99797570/100,20076 0/120/2022 0/120/2022 0/120/2022 0/120/2023 5,677 6,077 0 0 (46,151) 001 4593 Call Cytime Exhibit 5 Interest Findor FOM 99797570/100,20076 0/120/2022 0/120/2022 1,344,89 4482,7300000 104,683 (46,151) 0 0 (46,151) 001 49593 Call Cytime Exhibit 5 Interest Findor 60 99797570/130,20076 0/120/202 0/120/202 5,877,98 4492,7300000 453,388 (199,688 59,677 0 0 (46,151) 0 0001 4985 Call Cytime <td>145767 Call Options -</td> <td></td> <td></td> <td></td> <td>WELLS FARGO BANK.</td> <td></td> | 145767 Call Options - | | | | WELLS FARGO BANK. | | | | | | | | | | | | | | | | | | |
| 163783 Call Options - BP 500 LABILITY HEDE Enhibit 5 Interest FCMORE FINANCIAL ACCESS / MERAN STALE/YL2EAED 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 01/20/202 00/20 00/20 00/20 00/20 00/20 00 | | LIADILITY HEDGE | Evhibit E | Interest | | | 01/00/0000 | 01/00/0000 | | 2 000 450 | 4400 7000000 | | 200,000 | (1/1 100 | 170 065 | 0 | 000 | | (141.160 | | | | 0001 |
| HS783 Gall Options - SP 500 LIABILITY HEDE Exhibit 5 Interest FORMARIZATION COLL 0.1/20/2022 0.1/20/2023 2,241,365 4482,7300000 174,300 | Sap 200 | LIABILIII HEUGE | EXHIDIL 5 | interest | | . KBIHIDSPREMIMCUEXIU9 . | 01/20/2022 | 01/20/2023 . | | | 4482.73000000 | | | | | | | | | 5) | | | 0001 |
| H3938 Gull Options - 89P 500 LikeLLTY HDGE Exhibit 5 Interest STALEV/GLEMED 0/20/2022 0/20/2023 2.241,365 4482.7300000 .174,360 .76,918 .97,422 .0.0 .0.0 | | | | | | | | | | | | | | | | | | | | | | | |
| SRP 500 LIABILITY HEXE Enhibit 5 Interest THOUR 400 997/97507/130,02078 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 | | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| SRP 500 LIABILITY HEXE Enhibit 5 Interest THOUR 400 997/97507/130,02078 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 | 145792 Call Ontions - | | | | | | | | | | | | | | | | | | | | | | |
| HS786 Call Options - B8 500 LiABILITY FEDE Exhibit 5 Interest STMLEF/CLEMED O1/20/2022 O1/20/2023 1,34,819 .4482.7300000 104,628 .(46,151) 58,477 | | | | | | | | | | | | | | | | | | | | | | | |
| H45786 Call Options - SP 500 LABILITY HEDGE Exhibit 5 Interest MCDBS / VIDBAH ACCES / VIDBAH AC | S&P 500 | LIABILIIY HEDGE | Exhibit 5 | Interest | | | 01/20/2022 | 01/20/2023 . | | | 4482./3000000 | | 1/4,380 | (/6,918 |) | | 01/0 | 00 | (/6,918 | 3) | | | 0001 |
| H3786 Call Options - BR 500 Hall ITY HEXE Exhibit 5 Interest FMACH/OLSAHED 01/20/2023 1,344,819 4482.7300000 104,628 (46,151) 58,477 0 0 (46,151) 0 0 01/20/2023 01/20/2023 1,344,819 4482.73000000 453.388 (199,988) 253,400 0 0 (46,151) 58,477 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 | | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| H3786 Call Options - BR 500 Hall ITY HEXE Exhibit 5 Interest FMACH/OLSAHED 01/20/2023 1,344,819 4482.7300000 104,628 (46,151) 58,477 0 0 (46,151) 0 0 01/20/2023 01/20/2023 1,344,819 4482.73000000 453.388 (199,988) 253,400 0 0 (46,151) 58,477 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 (46,151) 0 0 | | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| SBP 500 LIABILITY HEXE Exhibit 5 Interest THOUGH CB0 9979F1507(X30J20078 0/1/20/2022 0/1/20/2023 1,344,819 .4482.73000000 .66,747 0 0 .6448,1511 0 0 .6448,1511 0 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0 0 0 0 0 0 0 0 0 < | 145700 0-11 0 11 | | 1 | | | | 1 | 1 | | | | | | | 1 | | | | 1 | | | | |
| 145833 Call Options - 8XP 500 LIABILITY HEDGE Exhibit 5 Interest <i>L</i> (190, 100, 100, 100, 100, 100, 100, 100, | | | 1 | 1 | | | | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | 1 | | | |
| 145833 Call Options - 8XP 500 LIABILITY HEDGE Exhibit 5 Interest <i>L</i> (190, 100, 100, 100, 100, 100, 100, 100, | S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | . THROUGH CBO | . 9R7GPTS07KV3UQJZQ078 . | 01/20/2022 | 01/20/2023 . | | 1,344,819 | 4482.73000000 | | | | | | 747 | 00 | |) | | | 0001 |
| H4983 Call Options - SRP 500 LIABILITY HEDE Exhibit 5 Interest Interest 01/20/2022 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 00/1 00/1 00/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/ | | | 1 | | | | 1 | 1 | | | | | | 1 | 1 | | | | | | | | |
| 14883 Call Options - SRP 500 LIABILITY HEDGE Exhibit 5 Interest STALEY/CLEARED STALEY/CLEARED 0.1/20/2023 0.1/20/2023 0.1/20/2023 0.1/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.001/20/20/20 0.001/20/20/20/20 | | | 1 | 1 | | | | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | 1 | | | |
| SRP 500 LIABILITY HEDGE Exhibit 5 Interest THROUCH 080 97/6PTS07KV30JJ20078 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/ | | | 1 | | | | 1 | 1 | | | | | | | 1 | | | | 1 | | | | |
| 14887 Call Options - BXP 500 LIABILITY HEDGE Exhibit 5 Interest N-CHANGE FINANCIAL OCCESS / URGRAM STALEY/CLEAPED 0.01/20/2022 0.1/20/2023 0.1/20/2023 0.1/20/2023 0.1/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/20 | | | 1 | | | | 1 | 1 | | | | | | | 1 | | | | 1 | | | | |
| 14887 Call Options - BXP 500 LIABILITY HEDGE Exhibit 5 Interest N-CHANGE FINANCIAL OCCESS / URGRAM STALEY/CLEAPED 0.01/20/2022 0.1/20/2023 0.1/20/2023 0.1/20/2023 0.1/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/2023 0.01/20/20 | S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CBO | 9R7GPTS07KV3U0JZ0078 | 01/20/2022 | 01/20/2023 | | 5.827 549 | 4482.73000000 | | 453, 388 | (199,988) | 253,400 | 19 | 827 (|) 0 | (199,988 | 3) | | | 0001 |
| 14837 Call Options - Star 500 LABILITY HEDGE Exhibit 5 Interest ACCESS / MORGAN STALE/YCLEARED 148437 Call Options - Star 500 LIABILITY HEDGE Exhibit 5 Interest 01/20/2022 01/20/2022 01/20/2022 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 02/04/2022 02/06/2023 | | | 1 | | | | | | [| | | | | | | | | | | Ĩ | | | |
| 145837 Call Options - SRP 500 LIABILITY HEDGE Exhibit 5 Interest STALEY/GLEARED 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 01/20/2023 <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td> </td> <td>1</td> <td>1</td> <td></td> <td></td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | 1 | 1 | | | |
| S&P 500 LIABILITY HEDGE Exhibit 5 Interest THQUBH CBO 987GPTS07KV3UQJZQ078 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 | | | 1 | | | | 1 | 1 | | | | | | | 1 | | | | 1 | | | | |
| S&P 500 LIABILITY HEDGE Exhibit 5 Interest THQUBH CBO 987GPTS07KV3UQJZQ078 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/2022 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 .01/20/202 .02/06/2023 | 145837 Call Options - | | 1 | | STANLEY/CLEARED | | 1 | 1 | | | | | | | 1 | | | | 1 | | | | |
| 146415 Call Options - LABILITY HEDGE Exhibit 5 Interest GQLDMAN SACHS INTERNATIONAL w22LR0WP21H2NBB6K528 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 .02/04/2022 | | | Evhibit 5 | Interest | | OD7CDTCO7KVOLO IZOOZO | 01/20/2020 | 01/20/2022 | 1 | 1 044 040 | 1192 72000000 | | 104 600 | (AC 151) | E0 /77 | - | 011 / | | 140 454 | 0 | | | 0001 |
| S&P 500 LIABILITY HEDGE Exhibit 5 Interest INTERNATIONAL W22LR0WP21H2NBB6K528 .02/04/2022 .02/06/2023 | | LINDILIII MEUUE | EXILIDIT 2 | milerest | | . an/uriau/N/304J240/8 . | | | h | | 4402./3000000 | · | | | /ວຽ,4// | p | ۰۰۰ <u>۱</u> ۰۰۰۰۰۰۰ ۲۰ | ·0 | | // | | | |
| 146426 Call Options - LABILITY HEDGE Exhibit 5 Interest MORGAN STALEY & OD. INTERNATIONAL ACCESS / MORGAN 146449 Call Options - Exhibit 5 Interest POUNSUPFGNF38B653 .02/04/2022 .02/06/2023 | 146415 Call Options - | | 1 | 1 | | | | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | 1 | | | |
| 146426 Call Options - LABILITY HEDGE Exhibit 5 Interest MORGAN STALEY & OD. INTERNATIONAL ACCESS / MORGAN 146449 Call Options - Exhibit 5 Interest POUNSUPFGNF38B653 .02/04/2022 .02/06/2023 | S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | INTERNATIONAL | W22LROWP21HZNBB6K528 | .02/04/2022 | .02/06/2023 | | 6.076.614 | | | 300.792 | (119.661) | 181.131 | 1 | 163 | 0 | (119.661 | D | | | 0001 |
| 146426 Call Options - SRP 500 LABILITY HEDGE Exhibit 5 Interest 400HN3JPFGFNF38B653 02/04/2022 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 | | | 1 | | | | | | | | | | | | | | | | | 1 | | | |
| S&P 500 | | | 1 | | | | 1 | 1 | | | | | | | 1 | | | | 1 | | | | |
| 146449 Call Options - LABILITY HEDGE Exhibit 5 Interest NORGAN STALEY/CLEARED 146449 Call Options - Exhibit 5 Interest THROUGH CB0 02/04/2022 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 001 001 146451 Call Options - STANLEY/CLEARED STANLEY/CLEARED 001 001 001 001 001 | 146426 Call Options - | | 1 | 1 | CO. INTERNATIONAL | | | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | 1 | | | |
| 146449 Call Options - LABILITY HEDGE Exhibit 5 Interest NORGAN STALEY/CLEARED 146449 Call Options - Exhibit 5 Interest THROUGH CB0 02/04/2022 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 02/06/2023 001 001 146451 Call Options - STANLEY/CLEARED STANLEY/CLEARED 001 001 001 001 001 | S&P 500 | LIABILITY HEDGE | Exhibit 5. | Interest . | PLC | . 4PQUHN3JPFGFNF3BB653 | 02/04/2022 | 02/06/2023 | | 5.409.009 | 4500.53000000 | | | | | 13 | 446 (| 0 | | 3) | | | 0001 |
| 146449 Call Options - LABILITY HEDGE Exhibit 5 Interest ACCESS / MCRGAN STANLEY/CLEARED 146449 Call Options - LABILITY HEDGE Exhibit 5 Interest MCGPS / MCGPSO7KV3UQJZ0078 .02/04/2022 .02/06/2023 | | | 1 | | | | | | | ,,, | | | | | | | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 1 | | | |
| 146449 Call Options - LABILITY HEDGE Exhibit 5 Interest STANLEY/CLEARED 0.02/04/2022 0.02/06/2023 0.02/06/2023 0.02/06/2023 0.02/06/2023 0.01 0.01 146451 Call Options - Value //CLEARED Value //CLEARED 0.02/04/2022 0.02/06/2023 0.02/06/2023 0.02/06/2023 0.02/06/2023 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 | | | 1 | | | | 1 | 1 | | | | | | | 1 | | | | 1 | | | | |
| S&P 500 LIABILITY HEDGE Exhibit 5 Interest THROUGH C80 | | | 1 | 1 | | | | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | 1 | | | |
| S&P 500 S&P 500 Interest THROUGH CB0 987/GPTS07KV3UQJZQ078 .02/04/2022 .02/06/2023 | 146449 Call Options - | | 1 | 1 | STANLEY/CLEARED | | | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | 1 | | | |
| 146451 Call Options - | | I LARIE ITY HENCE | Evhibit 5 | Interest | | ORTOPTOOTKVOLIO ITOOTO | 02/04/2022 | 02/06/2022 | 1 | 1 200 010 | 1500 52000000 | | 1/6 250 | (50 000 | 00 100 | A | 682 | n n | (50 000 | 2) | | | 0001 |
| ACCESS / MORGAN STANLEY/CLEARED | σαr συυ | LINDILIIT NEUGE | LANDIL D | milerest | | . an/uF130/N/3040240/8 . | | | | | | | | | | | | | | , | | | |
| 146451 Call Options – STANLEY/CLEARED | | | 1 | | | | 1 | 1 | | | | | | | 1 | | | | 1 | | | | |
| 146451 Call Options – STANLEY/CLEARED | | | 1 | | ACCESS / MORGAN | | 1 | 1 | | | | | | | 1 | | | | 1 | | | | |
| | 146451 Call Ontions - | | 1 | | | | 1 | 1 | | | | | | | 1 | | | | 1 | | | | |
| sar suu | | | | l | | 0070070070070 | | | 1 | | | | | /··· | | | | | / | | | | |
| | S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | . IHHOUGH CBO | . 9R/GPTS07KV3UQJZQ078 . | 02/04/2022 | 02/06/2023 . | | 6, 300, 742 | 4500.53000000 | | 512,246 | <u>(</u> 203,782) |) | | 003 |) 0 | | 2) | | <u></u> | 0001 |

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| | Description | | | | | | | | | | | | | | | | | | | | | |
| | Description | | | | | | | | | Year(s) | Year Initial | | | | | | | | | | | |
| | of Item(s) | | | | | | | | Strike | Initial Cost | Cost of | | | | | | | | | | Credit | Hedge |
| | Hedged, | | | | | | | | Price, | of Un- | Un- | | | | | | Total | Current | Adjustment | | Quality | Effectiveness |
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| | Used for | | Type(s) | | | Date of | | | Rate or | discounted | discounted | _ | Book/ | | | Unrealized | Foreign | Year's | to Carrying | | of | at Inception |
| | Income | Schedule/ | of | | | Maturity | Number | | Index | Premium | Premium | Current | Adjusted | | | Valuation | Exchange | (Amorti- | Value of | | Refer- | and at |
| | Generation | Exhibit | Risk(s) | Exchange, Counterparty | Trade | or | of | Notional | Received | (Received) | (Received) | Year | Carrying | | | Increase/ | Change in | zation)/ | Hedged | Potential | ence | Quarter-end |
| Description | or Replicated | Identifier | (a) | or Central Clearinghouse | Date | Expiration | - | Amount | (Paid) | Paid | Paid | Income | Value | Code I | Fair Value | (Decrease) | B./A.C.V. | Accretion | Item | Exposure | Entity | (b) |
| Description | of Replicated | luentinei | (a) | | Dale | LApiration | Contracts | Amount | (i aiu) | i aiu | i aiu | Income | value | Coue | | (Decrease) | D./A.C.V. | Accietion | ILEITI | Lyposule | Linuty | (0) |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 146453 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | 02/04/2022 | 02/06/2023 | | 2,700,318 | 4500.53000000 | 1 | 219,534 | (87,335) | | | | 0 | 0 | (87,335 | 6 | | | 0001 |
| Gui 000 | | | | X-CHANGE FINANCIAL | | | | | | | 210,001 | | | | | • | • | | ., | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| 146455 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | 02/04/2022 | 02/06/2023 . | | | 4500.5300000 | | | (29, 112) | | | | 0 | 0 | (29,112 | !) | | | 0001 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 146457 Call Options - | 1 | 1 | 1 | STANLEY/CLEARED | | 1 | | | | | | | | 1 | | | | 1 | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | 02/04/2022 | .02/06/2023 | | 900,106 | 4500.53000000 | | | (29, 112) | | | | n . | n . | | | | 1 | 0001 |
| Jar JUU | LINDILIII MEUGE | | . milerest | | | | * | | 4000.00000000 | ' | | | | | | ······ | 0 | | ., | | • ••••• | |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 147095 Call Options - | | 1 | | CO. INTERNATIONAL | | 1 | | | | | | | | | | 1 | 1 | | | | 1 | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | PLC | 02/18/2022 | 02/17/2023 . | L | 4,972,751 | 4348.8700000 | | 431,084 | (156,327) | | | | 0 | 0 | (156, 327 |) | | | 0001 |
| 147097 Call Options - | | 1 | | GOLDMAN SACHS | | 1 | | ,, | | | | | | 1 | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | INTERNATIONAL W22LROWP21HZNBB6K528 | .02/18/2022 | 02/17/2023 | | 5,751,896 | 4348.87000000 | | | (112,219) | | | | 0 | n . | (112,219 | 0 | | 1 | 0001 |
| Sap 500 | LIABILITY HEDGE | Exhibit 5 | . Interest | | | | | | 4348.87000000 | | | (112,219) | 197 , 233 | | | 0 | 0 | | 9 | | • • • • • • • • • • • • • • • • • • • • | 0001 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 147113 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | PLC 4PQUHN3JPFGFNF3BB653 | 02/18/2022 | 02/17/2023 | | 1,419,055 | 4348.8700000 | | | (44,610) | | | | 0 | 0 | |) | | | 0001 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 147129 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Fublic A F | Internet | PLC | .02/18/2022 | .02/17/2023 | | 4,638,031 | 4348.87000000 | | 400 007 | (145.005) | 050,000 | | | 0 | | (145.005 | | | | 0001 |
| δαP 500 | LIABILITY HEDGE | Exhibit 5 | . Interest | | | | •••••• | 4,038,031 | 4348.87000000 | | | (145,805) | | | | 0 | 0 | (145,805 | 0 | | | 0001 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 147131 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | . Interest | PLC 4PQUHN3JPFGFNF3BB653 | 02/18/2022 | 02/17/2023 . | | 2,524,038 | 4348.8700000 |) | | (79,348) | | | | 0 | 0 | |) | | | 0001 |
| | | | | X-CHANGE FINANCIAL | | | | | | | , | | | | | | | | , | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 147140 0-11 0-1 | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| 147146 Call Options - | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | . Exhibit 5 | . Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 02/18/2022 | 02/17/2023 . | | 1,304,661 | 4348.87000000 | | | (40,309) | 70,847 | | | 0 | 0 | |)) | | | 0001 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 147148 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Internet | THROUGH CB0 | 02/18/2022 | 02/17/2023 | | 1,304,661 | 4348.87000000 | | | (40,309) | | | | 0 | | | | | | 0001 |
| | LIABILITY HEDGE | Exhibit 5 | . Interest | INHUUGH UBU | | | | 1,304,001 | 4348.87000000 | | | (40,309) | | | | 0 | 0 | | 9 | | | 0001 |
| 147833 Call Options - | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | . Interest | BARCLAYS BANK PLC . G5GSEF7VJP5170UK5573 | 03/04/2022 | 03/03/2023 . | | 1,836,480 | 4328.8700000 | | | (55,962) | 116,667 | | | 0 | 0 | (55,962 | 2) | | | 0001 |
| | | 1 | 1 | X-CHANGE FINANCIAL | | 1 | | | 1 | 1 | | | | | | 1 | 1 | 1 | | | 1 | |
| | 1 | 1 | 1 | ACCESS / MORGAN | | 1 | | | | | | | | 1 | | | | 1 | | | | |
| 147846 Call Options - | | 1 | | STANLEY/CLEARED | | 1 | | | | | | | | | | 1 | 1 | | | | 1 | |
| | | Evhibit 5 | Interest | | 02/04/0000 | 02/02/0002 | | 4 000 070 | 4000 07000000 | | 200, 200 | (100.040) | 000 444 | 1 | 00 500 | | _ | (100.040 | | | | 0001 |
| S&P 500 | . LIABILITY HEDGE | Exhibit 5 | . Interest | THROUGH CB0 | | 03/03/2023 . | ····· ··· ··· | 4,328,870 | 4328.8700000 | · | | (129,246) | | | | 0 | 0 | (129, 246 | 9 | | | 0001 |
| | | 1 | | X-CHANGE FINANCIAL | | 1 | | | | | | | | | | 1 | 1 | | | | 1 | |
| | | 1 | | ACCESS / MORGAN | | 1 | | | | | | | | | | 1 | 1 | | | | 1 | |
| 147853 Call Options - | | 1 | | STANLEY/CLEARED | | 1 | | | | | | | | | | 1 | 1 | | | | 1 | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | 03/04/2022 | 03/03/2023 | | 3,030,209 | 4328.8700000 | | | (90,472) | | | | 0 | 0 | | 9 | | 1 | 0001 |
| 147864 Call Options - | | | | WELLS FARGO BANK. | | 1 | [| | | | | | | | | | | | 1 | | 1 | |
| S&P 500 | LIABILITY HEDGE | Evhibit 5 | Interest | | 02/04/2022 | 03/03/2022 | | 5,980,085 | 4328.87000000 | | | (117 005) | 044 640 | 1 | | • | • | (117.005 | 3 | | | 0001 |
| | LINDILIII MEUGE | Exhibit 5 | Interest | N.A. KB1H1DSPRFMYMCUFXT09 | 03/04/2022 | 03/03/2023 . | ∤ | | 4320.0/00000 | ' | | (117,285) | | | | ······· | | (117,285 | ······ | | • ••••• | 0001 |
| 147907 Call Options - | | _ | L | | | | | | | .] | | | | 1 | | | | | | | | I |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | . Interest | CITIBANK N.A E570DZWZ7FF32TWEFA76 | 03/04/2022 | 03/03/2023 . | - | 1,559,717 | 4328.8700000 | · [| | (45,996) | | | | 0 | 0 | |) | | | 0001 |
| | 1 | 1 | 1 | MORGAN STANLEY & | | 1 | | | | | | | | 1 | | | | 1 | | | | |
| 147910 Call Options - | | 1 | | CO. INTERNATIONAL | | 1 | | | | | | | | | | 1 | 1 | | | | 1 | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | PLC 4PQUHN3JPFGFNF3BB653 | 03/04/2022 | 03/03/2023 . | | 4,764,412 | 4328.87000000 | d l | | (140,219) | | | | n | 0 | | 0 | | 1 | 0001 |
| σαr συυ | LINDILIII NEUGE | | | | | | † | | +020.0/000000 | · | | (140,219) | | | | ······ | | | ·) | | . | |
| | 1 | 1 | 1 | X-CHANGE FINANCIAL | | 1 | | | | | | | | 1 | | | | 1 | | | | |
| | 1 | 1 | 1 | ACCESS / MORGAN | | 1 | | | | | | | | 1 | | | | 1 | | | | |
| 148465 Call Options - | | 1 | | STANLEY/CLEARED | | 1 | | | | | | | | | | 1 | 1 | | | | 1 | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | 03/18/2022 | 03/20/2023 . | L | 4,909,432 | 4463.1200000 | | | (121,036) | | I | | 0 | 0 | | i) | | | 0001 |
| | | 1 | 1 | X-CHANGE FINANCIAL | | 1 | [| | | | , | | | | | | | | 1 | | 1 | |
| 1 | | 1 | | ACCESS / MORGAN | | 1 | | | | | | | | | | 1 | 1 | | | | 1 | |
| 140470 0-11 0-1 | | 1 | 1 | | | 1 | | | 1 | 1 | | | | | | 1 | 1 | 1 | | | 1 | |
| 148473 Call Options - | | L | 1. | STANLEY/CLEARED | | 1 | | | | 1 | | | | | | 1 | 1 | | | | 1 | I |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | . Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 03/18/2022 | 03/20/2023 . | <u> </u> | 2,677,872 | 4463.12000000 | <u> </u> | | (66,020) | | | | 0 | 0 | |) | <u></u> | | 0001 |
| | | | | | | | | | | | | | | | | | | | | | | |

| - | ir | | | | | | s, Caps, Fio | | | | | | | | | | | | | | | · · · · · · · · · · · · · · · · · · · |
|----------------------------------|-----------------|---------------|--------------|--------------------------------------------|--------------|---------------|-----------------------------------------|-------------|----------------|--------------|--------------|-----------|----------|-----------|---------|------------|-----------|------------|-------------|-----------|---------|---------------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | | | | | | | | | | Cumulative | | | | | | | | | | | | 1 |
| | | | | | | | | | | Prior | Current | | | | | | | | | | | 1 |
| | Description | | | | | | | | | | | | | | | | | | | | | 1 |
| | Description | | | | | | | | | Year(s) | Year Initial | | | | | | | | | | | |
| | of Item(s) | | | | | | | | Strike | Initial Cost | Cost of | | | | | | | | | | Credit | Hedge |
| | Hedged, | | | | | | | | Price, | of Un- | Un- | | | | | | Total | Current | Adjustment | | Quality | Effectiveness |
| | Used for | | $T_{VDO}(c)$ | | | Date of | | | Rate or | discounted | discounted | | Book/ | | | Unrealized | Foreign | Year's | to Carrying | | of | at Inception |
| | | 0.1.1.1.1.1.1 | Type(s) | | | | Manada a s | | | | | 0 | | | | | | | | | | |
| | Income | Schedule/ | of | | | Maturity | Number | | Index | Premium | Premium | Current | Adjusted | | | Valuation | Exchange | (Amorti- | Value of | | Refer- | and at |
| | Generation | Exhibit | Risk(s) | Exchange, Counterparty | Trade | or | of | Notional | Received | (Received) | (Received) | Year | Carrying | | | Increase/ | Change in | zation)/ | Hedged | Potential | ence | Quarter-end |
| Description | or Replicated | Identifier | (a) | or Central Clearinghouse | Date | Expiration | Contracts | Amount | (Paid) | Paid | Paid | Income | Value | Code Fair | Value (| (Decrease) | B./A.C.V. | Accretion | Item | Exposure | Entity | (b) |
| 148485 Call Options - | | | () | | | | | | (| | | | | | | (======) | | | | | | () |
| S&P 500 | | Fublic A | Internet | BARCLAYS BANK PLC . G5GSEF7VJP5170UK5573 | 00 /10 /0000 | 00/00/0000 | | 0 500 077 | 4463.12000000 | | 057 014 | (101.040) | 050 074 | | 0.545 | 0 | 0 | (101.040 | 、 、 | | | 0001 |
| Sap 500 | LIABILITY HEDGE | . Exhibit 5 | Interest | | 03/18/2022 | 03/20/2023 . | ••••• | 6,502,077 | 4403.1200000 | , | | (101,340) | | •••••• | 3,545 | 0 | 0 | |) | | | 0001 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | 1 |
| 148488 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | . Exhibit 5 | Interest | PLC 4PQUHN3JPFGFNF3BB653 | 03/18/2022 | 03/20/2023 . | | 1,400,582 | 4463.1200000 |) | | (32,814) | | | 5,212 | 0 | 0 | |) | | | 0001 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 148500 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | PLC | 03/18/2022 | 03/20/2023 . | | 4,353,223 | .4463.1200000 |) | | (101,992) | | | .21,917 | 0 | 0 | |) | | | 0001 |
| | | EXILIBITE 0 | | | | | | | | · | | (101,002) | | | | • | • | | / | | | 0001 |
| 148511 Call Options - S&P 500 | | E LUNIA E | | SOCIETE GENERAL 02RNE81BXP4R0TD8PU41 | 00 (40 (0000 | 00.000.0000 | | 4 000 070 | 4400 4000000 | | 405 050 | (40.774) | 440.004 | | 44.070 | • | | (40.774 | | | | 0004 |
| | LIABILITY HEDGE | . Exhibit 5 | Interest | . SOCIETE GENERAL 02RNE81BXP4R0TD8PU41 | 03/18/2022 | 03/20/2023 . | • • • • • • • • • • • • • • • • • • • • | 1,886,379 | 4463.1200000 | , | | (46,774) | | •••••• | 14,273 | 0 | 0 | (46,774 |) | | | 0001 |
| 149334 Call Options - | | | 1 | | | | | | | . | | | | | | | | |] | | 1 | I |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | . CITIBANK N.A E570DZWZ7FF32TWEFA76 | 04/06/2022 | 04/06/2023 . | | 8,673,448 | 4481.1500000 |) | | (182,884) | 602,442 | | | 0 | 0 | (182,884 |) | | | 0001 |
| 149352 Call Options - | | | 1 | ROYAL BANK OF | | | | | | | | | | | | | | | | | 1 | 1 |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | CANADA ES7 I P3U3RHI GC7 1XBU11 | 04/06/2022 | 04/06/2023 . | L | 1,099,297 | .4481.1500000 |) | | (23,296) | | I | | | n | |) | | | 0001 |
| | | | | X-CHANGE FINANCIAL | | | [| | | | | | | | | ••••• | | | 1 | | | |
| | | | 1 | ACCESS / MORGAN | | | | | | | | | | | | | | | | | 1 | 1 |
| 110050 0 11 0 11 | | | 1 | | | | | | | | | | | | | | | | | | 1 | 1 |
| 149356 Call Options - | | | 1 | STANLEY/CLEARED | | | | | | . | | | | | | | | |] | | 1 | I |
| S&P 500 | LIABILITY HEDGE | . Exhibit 5 | Interest | . THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 04/06/2022 | 04/06/2023 . | | 6,721,725 | 4481.1500000 |) | | (138,374) | | | 24,043 | 0 | 0 | (138, 374 |) | | | 0001 |
| 149357 Call Options - | | | | ROYAL BANK OF | | | | | | | | | | | | | | | | | | 1 |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | CANADA ES71P3U3RHIGC71XBU11 | 04/06/2022 | 04/06/2023 . | | 1,355,830 | .4481.1500000 |) | | (28,732) | | | | 0 | 0 | |) | | | 0001 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | 1 |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | 1 |
| 149360 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | 1 |
| S&P 500 | | E LUNIA E | | | 04/00/0000 | 04/00/0000 | | 4 700 400 | .4481.15000000 | | 450,450 | (00,000) | 404 550 | | 40,050 | • | | (00,000 | | | | 0004 |
| | LIABILITY HEDGE | . Exhibit 5 | Interest | | 04/06/2022 | 04/06/2023 . | • • • • • • • • • • • • • • • • • • • • | 1,792,460 | 4481.15000000 | , | | (36,900) | | •••••• | 10,356 | 0 | 0 | |) | | | 0001 |
| 149392 Call Options - | | | | ROYAL BANK OF | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | . Exhibit 5 | Interest | CANADA ES71P3U3RH1GC71XBU11 | 04/06/2022 | 04/06/2023 . | | 7,701,288 | 4481.1500000 |) | | (93,797) | | | 5,511 | 0 | 0 | |) | | | 0001 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | 1 |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | 1 |
| 149986 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | 1 |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 04/20/2022 | 04/20/2023 . | | 5,797,285 | | 1 | | (99,236) | | | | ٥ | 0 | | 1 | | | 0001 |
| dai 300 | | | 111101031 | X-CHANGE FINANCIAL | 04/20/2022 | | | | | , | | (33,200) | | | | | | | , | | | 0001 |
| | | | | | | | | | | | | | | | | | | | | | | 1 |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | 1 |
| 149989 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | 1 |
| S&P 500 | LIABILITY HEDGE | . Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 04/20/2022 | 04/20/2023 . | | 1,783,780 | 4459.4500000 |) | | (30,534) | | | 7,631 | 0 | 0 | |) | | | 0001 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | 1 |
| | | | 1 | ACCESS / MORGAN | | | | | | | | | | | | | | | | | 1 | 1 1 |
| 149991 Call Options - | | | 1 | STANLEY/CLEARED | | | | | | | | | | | | | | | | | 1 | 1 1 |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 04/20/2022 | 04/20/2022 | | 5,797,285 | | 1 | | (99,236) | | | | 0 | n | | | | 1 | 0001 |
| 000 000 | EINDIEITT TEDUE | | | X-CHANGE FINANCIAL | | | ··· | | | , | | | | | | 0 | | | / | | | |
| | | | 1 | ACCESS / MORGAN | | | | | | | | | | | | | | | | | 1 | 1 1 |
| 440000 0 11 0 11 | | | 1 | | 1 | 1 | | | | | | | | | 1 | | | | | | 1 | 1 1 |
| 149993 Call Options - | | L | 1. | STANLEY/CLEARED | | 1 | | | | | | | | | | | | |] | | 1 | 1 |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 04/20/2022 | 04/20/2023 . | ·••••••••••••••••• | 1,337,835 | 4459.4500000 |) | | (22,901) | | | 9,896 | 0 | 0 | (22,901 |) | | | 0001 |
| | | | 1 | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | 1 | 1 |
| | | | 1 | ACCESS / MORGAN | | | | | | | | | | | | | | | | | 1 | 1 |
| 149995 Call Options - | | | 1 | STANLEY/CLEARED | 1 | 1 | | | | | | | | | | | | | | | 1 | 1 1 |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | 04/20/2022 | 04/20/2023 | | 1,337,835 | 4459.4500000 | | | (22,901) | 94.828 | | 10,581 | ٥ | n | |) | | 1 | 0001 |
| 1 | | | 1 | X-CHANGE FINANCIAL | | T | T | | | [| | | | | | ••••• | [| | 1 | | | 1 |
| | | | 1 | ACCESS / MORGAN | | | | | | | | | | | | | | | | | 1 | 1 1 |
| 140007 0011 0-41 | | | 1 | STANLEY/CLEARED | 1 | 1 | | | | | | | | | | | | | | | 1 | 1 1 |
| 149997 Call Options - | | E LINIA E | | | 04/00/00000 | 04/00/00000 | | 4 007 005 | 4450 45000000 | | 447 700 | (00,004) | 04 000 | | 44.050 | • | | (00.001 | J | | 1 | 0004 |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 04/20/2022 | 04/20/2023 . | + | 1,337,835 | 4459.4500000 | ' | | (22,901) | | | 11,652 | 0 | 0 | | 4 | | | 0001 |
| 150018 Call Options - | | | 1 | 1 | 1 | 1 | | | | | | | | | 1 | | | | | | 1 | 1 1 |
| S&P 500 | LIABILITY HEDGE | . Exhibit 5 | Interest | . BARCLAYS BANK PLC . G5GSEF7VJP5170UK5573 | 04/20/2022 | 04/20/2023 . | | | 4459.4500000 |) | 612,799 | (119,202) | | | 5, 184 | 0 | 0 | (119,202 |) | | | 0001 |
| | | | 1 | MORGAN STANLEY & | 1 | 1 | | | | | | | | | | | | | | | 1 | 1 1 |
| 150391 Call Options - | | | 1 | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | 1 | 1 |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | PLC 4PQUHN3JPFGFNF3BB653 | 05/06/2022 | 05/05/2023 . | | 5,498,421 | | | | (80,595) | | | | ٥ | n | |) | | 1 | 0001 |
| 150401 Call Options - | | | | | | | T | | | | | | | | | | [| | 1 | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | CITIBANK N.A E570DZWZ7FF32TWEFA76 | 05/06/2022 | 05/05/2023 . | | 1,004,220 | .4123.3400000 | | | (15,423) | | | 16, 308 | 0 | 0 | (15,423 | 1 | | | 0001 |
| | LINUILIII NEUGE | LAIIIDIL 3 | interest | ESTUDANT N.A ESTUDENZIFF321WEFA/0 | | | · · · · · · · · · · · · · · · · · · · | 1,004,220 | | · | | (10,423) | 00,04/ | | | 0 | | (10,423 | / | | | 0001 |
| 150403 Call Options - | | | 1 | | 05 /00 /05 | 05 /05 /00355 | | 4 400 70- | | | 101 5-5 | (10.00) | 400 | | 00 505 | - | | (10 | J | | 1 | 0000 |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | BARCLAYS BANK PLC . G5GSEF7VJP5170UK5573 | 05/06/2022 | 05/05/2023 . | | 1, 199, 793 | 4123.3400000 |) | | (18,364) | 103, 175 | | 20,525 | 0 | 0 | (18,364 |) | | | 0001 |
| | | | | | | | | | | | | | | | | | | | | | | |

| - | | | | | | | | e, eape, | | | ana i eina | ros Open as | | it otatomic | JIL BULO | | | | | | | | |
|----------------------------------|-------------------|-------------|------------|---------------------------------------|------------------------|--------------|--------------|-----------|-------------|--------------|--------------|--------------|------------|-------------|----------|-----------|------------|-----------|-----------|------------------|-----------|--------|---------------|
| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | | | | | | | | | | | Cumulative | | | | | | | | | | | | |
| | | | | | | | | | | | Prior | Current | | | | | | | | | | | |
| | Description | | | | | | | | | | Year(s) | Year Initial | | | | | | | | | | | |
| | of Item(s) | | | | | | | | | Strike | Initial Cost | Cost of | | | | | | | | | | Credit | Hedge |
| | | | | | | | | | | | | | | | | | | Tatal | Comment | A alicenters and | | | |
| | Hedged, | | | | | | | | | Price, | of Un- | Un- | | | | | | Total | Current | Adjustment | | | Effectiveness |
| | Used for | | Type(s) | | | | Date of | | | Rate or | discounted | | | Book/ | | | Unrealized | Foreign | Year's | to Carrying | | of | at Inception |
| | Income | Schedule/ | of | | | | Maturity | Number | | Index | Premium | Premium | Current | Adjusted | | | Valuation | Exchange | (Amorti- | Value of | | Refer- | and at |
| | Generation | Exhibit | Risk(s) | Exchange | e, Counterparty | Trade | or | of | Notional | Received | (Received) | (Received) | Year | Carrying | | | Increase/ | Change in | zation)/ | Hedged | Potential | ence | Quarter-end |
| Description | or Replicated | Identifier | (a) | or Central | I Clearinghouse | Date | Expiration | Contracts | Amount | (Paid) | Paid | Paid | Income | Value | Code F | air Value | (Decrease) | B./A.Č.V. | Accretion | Item | Exposure | Entity | (b) |
| 150411 Call Options - | | | (/ | | | | | | | (| | | | | | | () | | | | | | (~) |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | BARCLAYS BANK PLC | . G5GSEF7VJP5170UK5573 | 05/06/2022 | 05/05/2023 . | | 1, 198, 682 | 4123.3400000 | n | | (18,347) | | | | 0 | 0 | | .) | | | 0001 |
| oui 000 | | | | X-CHANGE FINANCIAL | | | | | ,, | | | | | | | | | | | , | | | |
| | | | | ACCESS / MORGAN | - | | | | | | | | | | | | | | | | | | |
| 150424 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CBO | 9R7GPTS07KV3UQJZQ078 | .05/06/2022 | .05/05/2023 | | 7,834,346 | 4123.3400000 | n | | (104,764) | | | | 0 | 0 | | D | | | 0001 |
| our 000 | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | • | | | | | |
| | | | | ACCESS / MORGAN | - | | | | | | | | | | | | | | | | | | |
| 150426 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | . Interest | THROUGH CB0 | 9R7GPTS07KV3UQJZQ078 | 05/06/2022 | .05/05/2023 | | 824.668 | 4123.3400000 | n | | (11,028) | | | | 0 | 0 | | 0 | | | 0001 |
| oui 000 | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | 0 | | | , | | | |
| | | 1 | | ACCESS / MORGAN | - | | | | | | | | | | | | | | | | | | |
| 150429 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | 9R7GPTS07KV3UQJZQ078 | .05/06/2022 | .05/05/2023 | | .824.668 | 4123.3400000 | | | (11,028) | | | | | ^ | (11,028 | | | | 0001 |
| | LINDILIIT NEUGE | EXILIDIT 5 | . Interest | | 96/06130/11/0040240/0 | | 03/03/2023 . | | | 4123.3400000 | | | (11,020) | | | 12,404 | 0 | 0 | (11,020 | 9 | | | 0001 |
| 150449 Call Options - S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | BARCLAYS BANK PLC | G5GSEF7VJP5170UK5573 | 05/06/2022 | .05/05/2023 | | 8,213,397 | 4123.3400000 | | | (125,717) | | | | | ^ | (125,717 | | | | 0001 |
| 5&P 500 | LIADILIIT HEUGE | Exhibit 5 | Interest | | . GOGSEF/VJP01/UUK00/3 | | 05/05/2023 . | | 8,213,39/ | 4123.3400000 | | | (120,717) | | | | 0 | 0 | (125,717 | / | | | 0001 |
| 151044 0-11 0-41 | | 1 | | MORGAN STANLEY & CO. INTERNATIONAL | | | 1 | | | | | | | | | | | | | | | | |
| 151044 Call Options - | | E 1 11 14 E | | | | 05 (00 (0000 | 05 (40 (0000 | | 0.047.007 | 0004 0000000 | _ | 000,000 | (00,004) | 400 507 | | 40.007 | | | (00,004 | | | | 0004 |
| S&P 500 | . LIABILITY HEDGE | Exhibit 5 | . Interest | PLC | 4PQUHN3JPFGFNF3BB653 . | 05/20/2022 | 05/19/2023 . | | | 3901.3600000 | | | (23,301) | | ••••• | | 0 | 0 | |) | | | 0001 |
| 454040 0 11 0 1 | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | | |
| 151048 Call Options - | | | | CO. INTERNATIONAL | | | | | | | - | | | | | | - | - | | | | | |
| S&P 500 | . LIABILITY HEDGE | Exhibit 5 | . Interest | PLC | 4PQUHN3JPFGFNF3BB653 . | 05/20/2022 | 05/19/2023 . | | 2,201,144 | 3901.3600000 | | | (25,420) | | | | 0 | 0 | | 0 | | | 0001 |
| | | | | X-CHANGE FINANCIAL | - | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | | |
| 151071 Call Options - | | | | STANLEY/CLEARED | | | | | | | - | | | | | | - | - | | | | | |
| S&P 500 | . LIABILITY HEDGE | Exhibit 5 | . Interest | . THROUGH CBO | 9R7GPTS07KV3UQJZQ078 | 05/20/2022 | 05/19/2023 . | | 4,291,496 | 3901.3600000 | | | (49,692) | | | | 0 | 0 | | 2) | | | 0001 |
| | | | | X-CHANGE FINANCIAL | _ | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | | |
| 151073 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | | |
| S&P 500 | . LIABILITY HEDGE | Exhibit 5 | . Interest | . THROUGH CBO | 9R7GPTS07KV3UQJZQ078 | 05/20/2022 | 05/19/2023 . | | 6,632,312 | 3901.3600000 | 0 | | (76,796) | 605,006 | | 100,977 | 0 | 0 | | i) | | | 0001 |
| 151095 Call Options - | | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | . LIABILITY HEDGE | Exhibit 5 | . Interest | . BARCLAYS BANK PLC | . G5GSEF7VJP5170UK5573 | 05/20/2022 | 05/19/2023 . | | 6,646,193 | 3901.3600000 | 0 | | (46,339) | | | 82,810 | 0 | 0 | |)) | | | 0001 |
| 151612 Call Options - | | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | . LIABILITY HEDGE | Exhibit 5 | . Interest | . CITIBANK N.A | E570DZWZ7FF32TWEFA76 | | 06/06/2023 . | | 5,531,352 | 4121.4300000 | D | | (35,527) | | | | 0 | 0 | | ') | | | 0001 |
| | | 1 | | X-CHANGE FINANCIAL | _ | | | | | | | | | | | | | | | | | | |
| | | 1 | | ACCESS / MORGAN | | | 1 | | | | | | | | | | | | | | | | |
| 151650 Call Options - | | 1 | | STANLEY/CLEARED | | | 1 | | | | | | | | | | | | | | | | |
| S&P 500 | . LIABILITY HEDGE | Exhibit 5 | . Interest | . THROUGH CBO | 9R7GPTS07KV3UQJZQ078 | 06/06/2022 | 06/06/2023 . | - | 1,236,429 | 4121.4300000 | D | | (7,862) | 111,700 | | 19, 180 | 0 | 0 | | ?) | | | 0001 |
| 151660 Call Options - | | 1 | | ROYAL BANK OF | | | 1 | | | | | | | | | | | | | | | | |
| S&P 500 | . LIABILITY HEDGE | . Exhibit 5 | . Interest | . CANADA | ES71P3U3RHIGC71XBU11 | 06/06/2022 | 06/06/2023 . | | 8,018,041 | 4121.4300000 | D | | (52,089) | 740,094 | | 100,951 | 0 | 0 | |) | | | 0001 |
| 151672 Call Options - | | 1 | | | | | 1 | | | | | | | | | | | | | | | | |
| S&P 500 | . LIABILITY HEDGE | Exhibit 5 | . Interest | . BARCLAYS BANK PLC | . G5GSEF7VJP5170UK5573 | 06/06/2022 | 06/06/2023 . | | 3, 186, 909 | 4121.4300000 | 0 | | (20,512) | | | 63,021 | 0 | 0 | (20,512 | ?) | | | 0001 |
| 151678 Call Options - | | 1 | | | | | 1 | | | | | | | | | | | | | | | | |
| S&P 500 | . LIABILITY HEDGE | Exhibit 5 | . Interest | . CITIBANK N.A | E570DZWZ7FF32TWEFA76 | 06/06/2022 | 06/06/2023 . | | | 4121.4300000 | 0 | | (5,956) | | | 19,817 | 0 | 0 | (5,956 | i) <mark></mark> | | | 0001 |
| 151701 Call Options - | | 1 | | | | | 1 | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | | G5GSEF7VJP5170UK5573 | 06/06/2022 | 06/06/2023 . | - | 8,946,473 | 4121.4300000 | 0 | | (34,632) | | | | 0 | 0 | | !) | | | 0001 |
| 152995 Call Options - | | 1 | | ROYAL BANK OF | | | 1 | | | | | | | | | | | | | | | | |
| S&P 500 | . LIABILITY HEDGE | Exhibit 5 | . Interest | . CANADA | ES71P3U3RHIGC71XBU11 | 06/17/2022 | 06/20/2023 . | | 7, 264, 395 | 3674.8400000 | D | | (17,040) | | | 134,221 | 0 | 0 | (17,040 |) | | | 0001 |
| 153000 Call Options - | | 1 | | | | | 1 | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | . CITIBANK N.A | E570DZWZ7FF32TWEFA76 | 06/17/2022 | 06/20/2023 . | | 3,811,032 | 3674.8400000 | D | | (14, 443) | | | | 0 | 0 | (14, 443 | 5) | | | 0001 |
| 153005 Call Options - | | 1 | | | | | 1 | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | . Interest | . CITIBANK N.A | E570DZWZ7FF32TWEFA76 | 06/17/2022 | 06/20/2023 . | | 6,720,595 | 3674.8400000 | D | | (25,469) | | | 138,383 | 0 | 0 | |)) | | | 0001 |
| | | 1 | | X-CHANGE FINANCIAL | _ | | 1 | | | | | | | | | | | | | | | | |
| | | 1 | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | | |
| 153022 Call Options - | | 1 | | STANLEY/CLEARED | | | 1 | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | . THROUGH CBO | 9R7GPTS07KV3UQJZQ078 | 06/17/2022 | 06/20/2023 . | | 4,409,808 | 3674.8400000 | 0 | | (16,404) | | | 51,940 | 0 | 0 | (16, 404 |) | | | 0001 |
| | | | | | | | | | | | | | | | | | | | | | | | |

| | - | | 1 . | | _ | Ű. | | | - | | | us Open as | | | | | | | 1 | | T | |
|-----------------------|------------------|------------------|--------------|---------------------|------------------------|--------------|--------------|-----------|-------------|---------------|--------------|--------------|------------|----------|----------------|--------------|-----------|------------|-------------|-----------|-----------|---------------|
| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | | | | | | | | | | | Cumulative | | | | | | | | | | | |
| | | | | | | | | | | | Prior | Current | | | | | | | | | | |
| | Description | | | | | | | | | | | | | | | | | | | | | |
| | Description | | | | | | | | | | Year(s) | Year Initial | | | | | | | | | | |
| | of Item(s) | | | | | | | | | Strike | Initial Cost | Cost of | | | | | | | | | Credit | Hedge |
| | Hedged, | | | | | | | | | Price, | of Un- | Un- | | | | | Total | Current | Adjustment | | Quality F | Effectiveness |
| | Used for | | $T_{VDO}(c)$ | | | | Date of | | | Rate or | discounted | discounted | | Book/ | | Unrealized | | Year's | to Carrying | | | at Inception |
| | | 0.1.1.1.1.1 | Type(s) | | | | | M | | | | | 0 | | | | | | | | | |
| | Income | Schedule/ | | | | | Maturity | Number | | Index | Premium | Premium | Current | Adjusted | | Valuation | Exchange | (Amorti- | Value of | | Refer- | and at |
| | Generation | Exhibit | Risk(s) | Exchange | e, Counterparty | Trade | or | of | Notional | Received | (Received) | (Received) | Year | Carrying | | Increase/ | Change in | zation)/ | Hedged | Potential | ence | Quarter-end |
| Description | or Replicated | Identifier | (a) | or Central | I Clearinghouse | Date | Expiration | Contracts | Amount | (Paid) | Paid | Paid | Income | Value | Code Fair Valu | e (Decrease) | B./A.Č.V. | Accretion | Item | Exposure | Entity | (b) |
| | | | () | X-CHANGE FINANCIAL | | | | | | () | | | | | | - (| | | | | | () |
| | | | | ACCESS / MORGAN | - | | | | | | | | | | | | | | | | | |
| 150000 0 11 0 11 | | | | | | | | | | | | | | | | | | | | | | |
| 153026 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | . Interest | THROUGH CB0 | 9R7GPTS07KV3UQJZQ078 | 06/17/2022 | 06/20/2023 . | | 1,469,936 | 3674.8400000 |) | | (5,468) | 149,316 | | 020 | 0 | (5,468 |) | | | 0001 |
| | | | | X-CHANGE FINANCIAL | _ | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 153028 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | 9R7GPTS07KV3UQJZQ078 | 06/17/2022 | .06/20/2023 | | 1 /60 036 | | 1 | 154,784 | (5,468) | | | 55 0 | 0 | | 3 | | | 0001 |
| oui 500 | | | | | | | | | | | , | | | | | | 0 | | / | | | |
| | | | | X-CHANGE FINANCIAL | - | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 141116 Call Options - | | L | 1. | STANLEY/CLEARED | | | 1 | | | | | | | | | | | | 1 | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | . Interest | . THROUGH CBO | 9R7GPTS07KV3UQJZQ078 | 07/06/2021 | 07/06/2022 . | | 1,303,062 | 4343.5400000 | | | (43,826) | 1,704 | | | 0 | (43,826 |) | | | 0001 |
| 141344 Call Options - | | 1 | 1 | | | | | | | | 1 | | | | | | | | 1 | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | . Interest | BARCLAYS BANK PLC | . G5GSEF7VJP5170UK5573 | 07/06/2021 | 07/06/2022 . | | 1,618,142 | 4343.5400000 | | | (55,859) | | | .3 0 | | (55,859 |) | | | 0001 |
| 141346 Call Options - | | | 1 | | | | | | | | | | | | | | | | 1 | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | BARCIAYS BANK PLC | . G5GSEF7VJP5170UK5573 | 07/06/2021 | 07/06/2022 | | 1,330,584 | 4343.5400000 | 93,141 | | (45,932) | | | 3 0 | 0 | (45,932 | a | | | 0001 |
| Jui Juu | Liability neuge | Exmort J | | | | | | | | | , | | | | | | | | / | | ····· ' | |
| 444700 0 11 0 11 | | 1 | 1 | MORGAN STANLEY & | | | | | | | 1 | | | | | | | | 1 | | | |
| 141709 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | . Interest | . PLC | 4PQUHN3JPFGFNF3BB653 | 07/06/2021 | 07/06/2022 . | | 2, 119, 517 | 4343.5400000 | 0 139,403 | | (68,747) | | | .0 | 0 | |) | | | 0001 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 141710 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | . Interest | PLC | 4PQUHN3JPFGFNF3BB653 | 07/06/2021 | 07/06/2022 . | | 1, 129, 848 | 4343.5400000 | 74,312 | | | 1, 425 | | 0 0 | 0 | |) | | | 0001 |
| Gui 000 | Liubiiit) iougo | 2/11/01/11/01/11 | | MORGAN STANLEY & | | | | | | | | | | | | | | | / | | | |
| 141711 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 | Linkiliku Iladaa | Fubibibit F | Internet | | | 07/00/0001 | 07/00/0000 | | | | 576,101 | | (004 104) | 11 040 | | | | (284, 104 | ` | | | 0001 |
| | Liability Hedge | Exhibit 5 | . Interest | PLC | 4PQUHN3JPFGFNF3BB653 | 07/06/2021 | 07/06/2022 . | •••••• | | 4343.3400000 | | ••••• | (284, 104) | | | | 0 | | ·) | | | JUU I |
| 141830 Call Options - | | | | WELLS FARGO BANK, | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | . Interest | . N.A | KB1H1DSPRFMYMCUFXT09 | 07/06/2021 | 07/06/2022 . | | 1,415,775 | 4343.5400000 | 93,016 | | (45,871) | 1,784 | | .00 | 0 | (45,871 |) | | | 0001 |
| 142074 Call Options - | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | . Interest | BARCLAYS BANK PLC | G5GSEF7VJP5170UK5573 | 07/06/2021 | 07/06/2022 | | 7, 568, 358 | 4343.5400000 | 302,734 | | (149,293) | | | 37 0 | 0 | (149,293 |) | | | 0001 |
| 141373 Call Options - | , , | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | . Interest | BARCLAVS BANK PLC | . G5GSEF7VJP5170UK5573 | 07/20/2021 | 07/20/2022 . | | 1,971,542 | 4323.0600000 | 138,008 | | | | | 06 | 0 | | n | | | 0001 |
| 141374 Call Options - | Liability neuge | EXITER O | | DANGERTO DANK TEO | . 00000177010170010070 | | 0172072022 . | | | | | | (00,000) | | | | 0 | | / | | | |
| S&P 500 | | E LUNIA E | | | . G5GSEF7VJP5170UK5573 | 07 (00 (0004 | 07/00/0000 | | 0 000 000 | 4323.0600000 | 644,489 | | (047,000) | | | - | | (047.000 | | | I I. | 0004 |
| | Liability Hedge | Exhibit 5 | . Interest | BARULATS BANK PLU | GOUSEF/VJP51/UUK05/3 | 07/20/2021 | 07/20/2022 . | •••••• | 9,206,983 | 4323.0000000 | | | (317,830) | | 1,5 | | 0 | (317,830 | / | | | 0001 |
| 141497 Call Options - | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | . Interest | . BARCLAYS BANK PLC | . G5GSEF7VJP5170UK5573 | 07/20/2021 | 07/20/2022 . | | 1,696,304 | 4323.0600000 | | | (58,557) | 6,832 | | 480 | 0 | |) | | | 0001 |
| 141498 Call Options - | | 1 | 1 | | | | | | | | 1 | | | | | | | | 1 | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | BARCLAYS BANK PLC | G5GSEF7VJP5170UK5573 | 07/20/2021 | 07/20/2022 . | L | 1,420,624 | 4323.0600000 | 99,444 | | (49,041) | | | 170 | | |) | | | 0001 |
| 141499 Call Options - | ., | 1 | 1 | | | | 1 | | | | | | | | | | | | 1 | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | . Interest | BARCIAYS BANK PLC | . G5GSEF7VJP5170UK5573 | 07/20/2021 | 07/20/2022 . | | 1,097,112 | 4323.0600000 | 76,798 | | (37,873) | 4,419 | . | 76 0 | 0 | | a | | | 0001 |
| 141500 Call Options - | Liubilly nougo | Exilibit J | | DIVIDENTO DANK FEU | | | | | | 1020.00000000 | | | | | | | | | , | | | |
| COD EOD | Linhility Under | Evhibit 5 | Interest | DADOLAVO DANK DLO | | 07/00/0004 | 07/00/0000 | | 1 101 000 | 1000 0000000 | 70 470 | | (00,000) | | . | 84 0 | | | 4 | | L L | 0001 |
| S&P 500 | Liability Hedge | Exhibit 5 | . Interest | DANULATS BAIN PLU | . G5GSEF7VJP5170UK5573 | 07/20/2021 | 07/20/2022 . | | 1, 121,026 | 4323.0600000 | , | | (38,698) | | | 04 | 0 | | 1 | | ' | |
| 141502 Call Options - | | I | 1 | | | | | | | | | | | | | | | | J I | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | . Interest | BARCLAYS BANK PLC | . G5GSEF7VJP5170UK5573 | 07/20/2021 | 07/20/2022 . | | | 4323.0600000 | 0 | | (65,712) | | | 240 | 0 | |) | | | 0001 |
| 141503 Call Options - | | 1 | 1 | 1 | | | | | | | 1 | | | | | | | | 1 | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | . Interest | BARCLAYS BANK PLC | . G5GSEF7VJP5170UK5573 | 07/20/2021 | 07/20/2022 . | L L. | 1,355,621 | 4323.0600000 | 94,893 | | (46,797) | 5,460 | | 450 | 0 | |) | | | 0001 |
| 142075 Call Options - | , , | 1 | 1 | | | | 1 1 | | | | 1 | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | . Interest | SOCIETE GENERAL | | 07/20/2021 | 07/20/2022 . | | 7,029,991 | 4323.0600000 | | | (141,447) | | | 35 0 | 0 | (141, 447 | | | | 0001 |
| oui 000 | - ubilling houge | Exmit U | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | / | | ····· | |
| | | 1 | 1 | | - | | | | | | 1 | | | | | | | | 1 | | | |
| 44447 0 11 0 11 | | 1 | 1 | ACCESS / MORGAN | | | | | | | 1 | | | | | | | | 1 | | | |
| 141147 Call Options - | | 1 | 1. | STANLEY/CLEARED | | 1 | 1 | | | | | | | | | [| | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | . Interest | . THROUGH CBO | 9R7GPTS07KV3UQJZQ078 | 08/06/2021 | 08/05/2022 . | | 9,760,344 | 4436.5200000 | 0 | | (311,317). | | 1,3 | 760 | 0 | |) | | | 0001 |
| | | 1 | 1 | X-CHANGE FINANCIAL | _ | | 1 | | | | 1 | | | | | | | | 1 | | | |
| | | 1 | 1 | ACCESS / MORGAN | | | | | | | 1 | | | | | | | | 1 | | | |
| 141156 Call Options - | | 1 | 1 | STANLEY/CLEARED | | | | | | | 1 | | | | | | | | 1 | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | . Interest | THROUGH CB0 | 9R7GPTS07KV3UQJZQ078 | 08/06/2021 | 08/05/2022 . | | | 4436.5200000 | 57,232 | | | | | 320 | 0 | | a | | | 0001 |
| oui 300 | Liautity neuge | EXILIBIL J | | | | | | - | | | | | | | | | 0 | | / | | | |
| | | 1 | 1 | X-CHANGE FINANCIAL | - | | | | | | 1 | | | | | | | | 1 | | | |
| | | 1 | 1 | ACCESS / MORGAN | | | | | | | 1 | | | | | | | | 1 | | | |
| 141157 Call Options - | | 1 | 1 | STANLEY/CLEARED | | | | | | | 1 | | | | | | | | 1 | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | . Interest | THROUGH CB0 | 9R7GPTS07KV3UQJZQ078 | 08/06/2021 | 08/05/2022 . | | 1,330,956 | 4436.5200000 | | | (42,452) | | | 060 | 0 | |) | <u></u> | <u> </u> | 0001 |
| | | | | | | | | | | | | | | | | | | | | | | |

| | - | | 1 . | _ | | | | | | | us Open as | | | | | | 1 | | | | 1 | |
|-----------------------|-----------------|---------------|------------|------------------------------------------|--------------|---------------|------------|-----------|---------------|--------------|--------------|-----------|----------|-------|------------|------------|-----------|-------------|-----------------------------------------|-----------|--------|---------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | | | | | | | | | | Cumulative | | | | | | | | | | | | |
| | | | | | | | | | | | Current | | | | | | | | | | | |
| | | | | | | | | | | Prior | | | | | | | | | | | | |
| | Description | | | | | | | | | Year(s) | Year Initial | | | | | | | | | | | |
| | of Item(s) | | | | | | | | Strike | Initial Cost | Cost of | | | | | | | | | | Credit | Hedge |
| | Hedged, | | | | | | | | Price, | of Un- | Un- | | | | | | Total | Current | Adjustment | | | Effectiveness |
| | | | | | | | | | | | ÷ | | | | | | | | Adjustment | | | |
| | Used for | | Type(s) | | | Date of | | | Rate or | discounted | discounted | | Book/ | | | Unrealized | Foreign | Year's | to Carrying | | of | at Inception |
| | Income | Schedule/ | of | | | Maturity | Number | | Index | Premium | Premium | Current | Adjusted | | | Valuation | Exchange | (Amorti- | Value of | | Refer- | and at |
| | Generation | Exhibit | Risk(s) | Exchange, Counterparty | Trade | or | of | Notional | Received | (Received) | (Received) | Year | Carrying | | | Increase/ | Change in | zation)/ | Hedged | Potential | ence | Quarter-end |
| Description | | | | | | | | | | | | | | Carla | | | | | | | | |
| Description | or Replicated | Identifier | (a) | or Central Clearinghouse | Date | Expiration | Contracts | Amount | (Paid) | Paid | Paid | Income | Value | Code | Fair Value | (Decrease) | B./A.C.V. | Accretion | Item | Exposure | Entity | (b) |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 141159 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | 08/06/2021 | .08/05/2022 | | 1,330,956 | 4436.5200000 | 85,848 | | (42,452) | | | 213 | 0 | 0 | (42,452 | | | | 0001 |
| 3ar 300 | Liability neuge | . LAIIIDIL J | | | | | | 1,000,000 | | | | (42,432) | 0,720 | | | 0 | 0 | | .) | | | 0001 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 141162 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | 08/06/2021 | .08/05/2022 . | | 1,330,956 | 4436.5200000 | 85,848 | | (42,452) | | | 217 | 0 | 0 | (42,452 | 5 | | | 0001 |
| our 000 | Enabrinty nedge | | | X-CHANGE FINANCIAL | | | | | | | | | | | | • | • | | ., | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 141164 Call Options - | | 1 | 1 | STANLEY/CLEARED | | 1 | | | | | | | | 1 | | 1 | 1 | 1 | | | 1 | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | 08/06/2021 | 08/05/2022 . | L l | 1,330,956 | 4436.5200000 | 85,848 | l | (42,452) | | I | | 0 | 0 | | 2) | | | 0001 |
| | , , | 1 | 1 | X-CHANGE FINANCIAL | | 1 | 1 T | [| | | [| | | 1 1 | | | | | | | 1 | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 141107 0-11 0-45 | | 1 | 1 | STANLEY/CLEARED | | 1 | | | | | | | | 1 | | 1 | 1 | 1 | | | 1 | |
| 141167 Call Options - | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | . Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 08/06/2021 | 08/05/2022 . | | 2,218,260 | 4436.5200000 | 0 | | (70,754) | 14,544 | | | 0 | 0 | (70,754 | | | | 0001 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 141750 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | PLC | 08/06/2021 | 08/05/2022 . | | 1,740,140 | 4436.5200000 | 0 | | (58, 188) | | | | 0 | 0 | | 0 | | | 0001 |
| | Liability neuge | . LAIIIDIL J | Interest | | | 00/03/2022 . | ••••• | | | | | (30,100) | | | | 0 | 0 | | 9 | | | 0001 |
| 142077 Call Options - | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | . Exhibit 5 | Interest | BARCLAYS BANK PLC _ G5GSEF7VJP5170UK5573 | 08/06/2021 | 08/05/2022 . | | 6,602,011 | 4436.5200000 | 0 | | (130,589) | | | | 0 | 0 | (130 , 589 | 0 | | | 0001 |
| 141544 Call Options - | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | . Exhibit 5 | Interest | BARCLAYS BANK PLC . G5GSEF7VJP5170UK5573 | 08/20/2021 | 08/19/2022 . | | 1,403,970 | 4441.6700000 | 99,120 | | (49,016) | | | | 0 | 0 | | ;) | | | 0001 |
| 141545 Call Options - | , | | | | | | | | | | | | | | | | | | , | | | |
| S&P 500 | Liebility Hedge | Exhibit 5 | Interest | BARCLAYS BANK PLC _ G5GSEF7VJP5170UK5573 | | .08/19/2022 | | 2,281,502 | 4441.6700000 | 161,074 | | (79,652) | | | | 0 | 0 | (79,652 | | | | 0001 |
| 3αF 300 | Liability Hedge | EXILIDIT 5 | interest | | | | | 2,201,302 | 4441.0700000 | | ••••• | (19,002) | | | | 0 | 0 | | .) | | | 0001 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 141753 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | . Exhibit 5 | Interest | PLC 4PQUHN3JPFGFNF3BB653 | 08/20/2021 | 08/19/2022 . | | 1,423,149 | 4441.6700000 | 100,288 | | (49,593) | | | | 0 | 0 | | 5) | | | 0001 |
| | , , | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 141754 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| | 1 | E LINIA E | | | 00 /00 /0004 | 00 (40 (0000 | | 0.040.004 | 4444 0700000 | 400 507 | | (004 704) | 05 055 | | 0 404 | | 0 | (004 70) | | | | 0004 |
| S&P 500 | Liability Hedge | . Exhibit 5 | Interest | PLC 4PQUHN3JPFGFNF3BB653 | 08/20/2021 | 08/19/2022 . | ••••• | 6,649,694 | 4441.6700000 | 0 | | (231,724) | | | | 0 | 0 | (231,724 | •) | | | 0001 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 141755 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | . Exhibit 5 | Interest | PLC 4PQUHN3JPFGFNF3BB653 | 08/20/2021 | 08/19/2022 . | | 1,373,925 | 4441.6700000 | 96,819 | | (47,878) | | | | 0 | 0 | | () | | | 0001 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | , | | | |
| 141761 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| | 1.54631241.01.0 | Full bit to F | Intern 1 | | 00 /00 /0001 | 00/10/0000 | | 1 005 501 | 4444 07000000 | 400.050 | | (00.005) | 10 101 | | 707 | - | · - | 100.000 | | | 1 | 0001 |
| S&P 500 | Liability Hedge | . Exhibit 5 | Interest | PLC 4PQUHN3JPFGFNF3BB653 | 08/20/2021 | 08/19/2022 . | + | 1,835,591 | 4441.6700000 | 0 129,352 | | (63,965) | | | | 0 | 0 | | 9 | | | 0001 |
| 142079 Call Options - | | | 1 | | | 1 | | | | | | | | | | 1 | 1 | 1 | | | 1 | |
| S&P 500 | Liability Hedge | . Exhibit 5 | Interest | BARCLAYS BANK PLC . G5GSEF7VJP5170UK5573 | 08/20/2021 | 08/19/2022 . | L | 6,406,157 | 4441.6700000 | | | (127,507) | | | 5 | 0 | 0 | |) | | | 0001 |
| | | | 1 | X-CHANGE FINANCIAL | | 1 | | | | | | | | | | 1 | 1 | | | | 1 | |
| 1 | | 1 | 1 | ACCESS / MORGAN | | 1 | | | | | | | | 1 | | 1 | 1 | 1 | | | 1 | |
| 141290 Call Ontic | | 1 | 1 | STANLEY/CLEARED | | 1 | | | | | | | | 1 | | 1 | 1 | 1 | | | 1 | |
| 141380 Call Options - | | E LINE E | | | 00 (00 (000) | 00/00/0007 | | 4 000 000 | 4505 40000000 | | | (| 10.000 | | | - | - | | | | 1 | 0004 |
| S&P 500 | Liability Hedge | . Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 09/03/2021 | 09/06/2022 . | ↓ ↓ | 1,360,629 | 4535.4300000 | 0 | | (44,258) | | | | 0 | 0 | |) | | | 0001 |
| 1 | | 1 | 1 | X-CHANGE FINANCIAL | | 1 | | | | | | | | 1 | | 1 | 1 | 1 | | | 1 | |
| 1 | | 1 | 1 | ACCESS / MORGAN | | 1 | | | | | | | | 1 | | 1 | 1 | 1 | | | 1 | |
| 141381 Call Options - | | 1 | 1 | STANLEY/CLEARED | | 1 | | | | | | | | 1 | | 1 | 1 | 1 | | | 1 | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | 00/03/2021 | 09/06/2022 . | | 907.086 | 4535.4300000 | 60.322 | | (29,505) | | 1 | | n | <u>م</u> | (29,505 | a | | 1 | 0001 |
| oui 000 | LIADITITY HOUGE | | | X-CHANGE FINANCIAL | | | † | | | | | | | - | £00 | 0 | | | · / · · · · · · · · · · · · · · · · · · | | | |
| | | | 1 | | | 1 | | | | | | | | | | 1 | 1 | 1 | | | 1 | |
| 1 | | 1 | 1 | ACCESS / MORGAN | | 1 | | | | | | | | 1 | | 1 | 1 | 1 | | | 1 | |
| 141384 Call Options - | | | 1 | STANLEY/CLEARED | | 1 | | | | | | | | | | 1 | 1 | 1 | | | 1 | |
| S&P 500 | Liability Hedge | . Exhibit 5 | Interest | THROUGH CB0 | 09/03/2021 | 09/06/2022 . | . | 6,803,145 | 4535.4300000 | 0 | L | (221,290) | | I | | 0 | 0 | |) | | | 0001 |
| | | 1 | | X-CHANGE FINANCIAL | | 1 | | | | , | | | | 1 | | | | | 1 | | | |
| | | | 1 | ACCESS / MORGAN | | 1 | | | | | | | | | | 1 | 1 | 1 | | | 1 | |
| 141205 0011 0041000 | | 1 | 1 | | | 1 | | | | | | | | | | | | 1 | | | 1 | |
| 141385 Call Options - | | | 1 | STANLEY/CLEARED | | | | | | | | | | | | | | | | | 1 | |
| S&P 500 | Liability Hedge | . Exhibit 5 | . Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 09/03/2021 | 09/06/2022 . | + | 2,721,258 | 4535.4300000 | 0 | | (88,516) | | | | 0 | 0 | | i) | | | 0001 |
| 1 | | 1 | 1 | X-CHANGE FINANCIAL | | 1 | | | | | | | | | | 1 | 1 | 1 | 1 | | 1 | |
| 1 | | 1 | 1 | ACCESS / MORGAN | | 1 | | | | | | | | 1 | | 1 | 1 | 1 | | | 1 | |
| 141387 Call Options - | | | 1 | STANLEY/CLEARED | | 1 | | | | | | | | | | 1 | 1 | 1 | | | 1 | |
| S&P 500 | Linhility Under | Evhibit 5 | Intercet | | 00/00/0004 | 00/00/00000 | | 007 000 | 4505 4000000 | 0 000 | | (00 505) | 44 040 | | | _ | | 100 505 | 5 | | 1 | 0001 |
| 3αr JUU | Liability Hedge | . Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 09/03/2021 | | | | 4535.4300000 | 060,322 | | (29,505) | | | | 0 | 0 | | // | | | 0001 |

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| Description Processor Description Schedule Processor Description Schedule Processor Description Processor Description Processor <thdescription Processor <thdescription Proces</thdescription </thdescription | | | | | | | | | | | | Cumulative | | | | | | | | | | | |
| Description of ferring/ income Generation Description of ferring/ Description Description of ferring/ Description Verring Description Verring Description Verring Description Verring Description Verring Description Description Topole Description | | | | | | | | | | | Current | Prior | | | | | | | | | | | |
| of length hespace browner of length browner strate browner strae browner strate browner <td></td> <td>Description</td> <td></td> | | | | | | | | | | | | | | | | | | | | | | Description | |
| Hetgen, Used for Generation Generation or Residual service Type (a) (b) (b) (b) (b) (b) (b) (b) (b) (b) (b | | | | | | | | | | | | | O 1 11 | | | | | | | | | | |
| Used for Conception Type(s) Exhaps Type(s) Exhaps Type(s) Exhaps Type(s) Exhaps Type(s) Exhaps Type(s) Exhaps Type(s) Exhaps Type(s) Exhaps Type(s) Exhaps Used for Exhaps Type(s) Exhaps Used for Exhaps Used for Exhaps< | Credit Hedge | | | | | | | | | | | | | | | | | | | | | (-) | |
| Income Generation Stability Entropy Generation Operation Generation Mature Generation (a) Mature Data (b) Mature Data (b) </td <td>Quality Effectivenes</td> <td>ent</td> <td>Adjustment</td> <td>Current</td> <td>Total</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Un-</td> <td>of Un-</td> <td>Price,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Hedged,</td> <td></td> | Quality Effectivenes | ent | Adjustment | Current | Total | | | | | | Un- | of Un- | Price, | | | | | | | | | Hedged, | |
| Income Generation Schedulge Generation Schedulge Generation Schedulge Generation Multury Data (a) Multury Data (b) Multury Data (b) Multury Person Multury Reserved (Pas) Person Pas Person Pas Curre Pas Application Pas Valuation Pas Valuation Valuation Pas Valuati | of at Inception | ing | to Carrying | Year's | Foreign | Unrealized | | | Book/ | | discounted | discounted | Rate or | | | Date of | | | | Type(s) | | Used for | |
| Generation Description or Predication (arrestrict service) Exhange. Counterparty or Rescription (arrestrict service) Trade or (arrestrict service) or (arrestrict service) Notice (arrestrict service) Rescription (arrestrict service) Year (arrestrict service) Notice (arrestrict service) Rescription (arrestrict service) Notice (arrestrict service) Rescription (arrestrict service) Notice (arrestrict service) Notice (arrestrict service) Rescription (arrestrict service) Notice (arrestrict service) Notice (arr | Refer- and at | | | | | | | | | Current | | | Index | | Number | | | | | | Schedule/ | | |
| Description or Reglicated Identifier (a) or Cantral Changebook Date Exportation Control Paid | | | | | | | | | | | | | | Notional | | | Trade | Counternarty | Exchange | | | | |
| Herman Libritishing Exhibit 5 Interest How Strate GMS 2000 Strate Strate < | | | | | | | Esia Value | Cada | | | | | | | | | | | | | | | Description |
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| H182 01 (Aption - by 200 Liability Hodge Enhibit 5 Internet H242(1) (Aption - by 200 1.90, (Aption - by 200 | | | | | | | | | | | | | | | | | | | | | | | |
| Implement Limitity mage Enhibit 5 Interest | | | | | | | | | | | | | | | | | | | | | | | |
| Hard Stall Option - SeP 500 Liaility moge Exhibit 5 Exhibit 5 Exhibit 5 Interest Interest FUNCUL AUXES / VIEWA SUBJICITION SUBJICITION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONS | | | | | | | | | | | | | | | | | | | | | | - | |
| H137 Cull Option - B# 200 Liability Hedge Enhiol 5 Interest MCSS / MEGNA STALE//LEPES 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/2021 0.000/20/2021 0.000/2021 0.000 | 0001 | | | (44,258). | 0 | 0 | | |) | | | | 4535.4300000 | 1,360,629 | | 09/06/2022 . | | | | Interest | . Exhibit 5 | Liability Hedge | S&P 500 |
| H130 (Li) (Li) (Li) (Li) (Li) (Li) (Li) (Li) | | | | | | | | | | | | | | | | | | | X-CHANGE FINANCIAL | | | | |
| BP 50 Libiility Hodge Ehbit 5 Interest FRUM (32) 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 997973707304.00076 9979773707304.00077 997973707304.000776< | | | | | | | | | | | | | | | | | | | | | | | |
| Low E Hanchall All Griton - SP 200 Low E Hanchall Access / 99804 < | | | | | | | | | | | | | | | | | | | STANLEY/CLEARED | | | - | |
| H158. (Li Griton - SP 500 Li | | | | (103, 269) | 0 | 0 | 1,353 | | | (103,269) | | | 4535.4300000 | 3, 174, 801 | | 09/06/2022 . | 09/03/2021 | . 9R7GPTS07KV3UQJZQ078 | THROUGH CB0 | Interest | Exhibit 5 | Liability Hedge | S&P 500 |
| 14136 (Lil Quiton - Lability Mage Exhibit 5 Interest FMLEV(2L):EB 0/02/021 0/02/022 907,68 6.65,400000 99,92 (29,65 11,30 42 0 0 1/29,66 4208 (Lil Quiton - Lability Mage Exhibit 5 Interest FMC0/EB 0/02/021 0/02/022 614,52 655,400000 614,52 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 642 < | | | | | | | | | | | | | | | | | | | X-CHANGE FINANCIAL | | | | |
| M138 ALI Quitar Lability Hodge Enhibit 5 Interest FX200 C11 Quitar 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/221 00/02/2221 00/02/221 < | | | | | | | | | | | | | | | | | | | ACCESS / MORGAN | | | | |
| 14288 Call Options - StaP 50 Lishifty Hedge Exhibit 5 Interest BRUNCLL StaP 500, 1116, 161 | | | | | | | | | | | | | | | | | | | | | | - | 141394 Call Options |
| 14288 Call Options - StaP 50 Lishifty Hedge Exhibit 5 Interest BRUNCLL StaP 500, 1116, 161 | | | | (29,505) | 0 | 0 | | | 11,310 | (29,505 | | | 4535.4300000 | | _ | .09/06/2022 | 09/03/2021 | 9R7GPTS07KV3UQJZQ078 | | Interest | Exhibit 5 | Liability Hedge | |
| SAP 500 Liability Hodge Exhibit 5 Interest BRCLATS BARK PC, GSGEF7/UFS1704/S273 0/0/0/2021 0/0/0/2022 6, 144, 552 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 455 | | | | | | | | | | | | | | | | 1 | | | | 1 | | - | |
| M158 Gall Options - SP 50 Liability Hedge Exhibit 5 Interest FUNCAL STALE / LOLENGE .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 .09/20/2021 | | | | (116 161) | 0 | 0 | 3 | | 44 528 | (116 161) | | 237 485 | 4535 43000000 | 6 144 502 | | 09/06/2022 | 09/03/2021 | G5GSEE7V.IP5170UK5573 | BARCLAYS BANK PLC | Interest | Exhibit 5 | Liability Hedge | S&P 500 |
| 141586 Call Options - SHP 500 Liability Hedge Exhibit 5 Interest MORGM STRUET/CLEMED 09/20/2021 .09/20/2022 .2,614,638 .4557,7300000 .204,204 | | | | | | | | | ,,020 | | | | | | T | LILLO, CO, LOLL | | | | | | | |
| H558 Call Options - SP 500 Liability Hedge Exhibit 5 Interest STMEP/CLEMED 00/20/2021 .00/20/2022 .2,614,638 .457,7300000 .204,204 .100,703 .66,65 .2,667 .0 .100,703 14150 Call Options - SP 500 Liability Hedge Exhibit 5 Interest STMEP/CLEMED .00/20/2021 .00/20/2022 .2,614,638 .457,7300000 .204,204 .100,703 .66,455 .2,667 .0 .0 .100,703 14155 Call Options - SP 500 Liability Hedge Exhibit 5 Interest STMEP/CLEMED .00/20/2021 .00/20/2022 .6,972,588 .457,7300000 .545,54 .2,667 .0 .0 .100,703 14155 Call Options - SP 500 Liability Hedge Exhibit 5 Interest STMEP/CLEMED .00/20/2021 .09/20/2021 .09/20/2022 .3,468,184 .457,7300000 .272,272 .1143,271 0 139,271 14152 Call Options - SP 500 Liability Hedge Exhibit 5 Interest STMEP/CLEMED .09/20/2021 .09/20/2021 .09/20/2021 457,73000000 .272,272 134,514 138,57 0 138,57 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td> </td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> | | | | | | 1 | | 1 | | | | | 1 | | | 1 | | | | 1 | | | |
| SkP 500 Liability Hedge Exhibit 5 Interest | | | | | | | | | | | | | | | | | | | | | | _ | 1/15/9 Call Ontions |
| 141550 Call Options - SRP 500 Liability Hedge Exhibit 5 Interest N-GRAWS FINANCIAL ACCES / MORGAN STALEY/LEARED .09/20/2021 .09/20/2022 .6, 972, 388 .457, 7300000 .544, 544 | | | | (100,702) | 0 | 0 | 2 967 | | 46 425 | (100 702 | | 204 204 | 4257 72000000 | 2 614 629 | | 00/20/2022 | 00/20/2021 | 0070070076//010 170070 | | Interest | Exhibit 5 | | |
| 141550 Call Options - Liability Hedge Exhibit 5 Interest PROVE CARE 09/20/2021 09/20/2022 .6, 972, 98 .4357, 7300000 .544, 544 .(288, 542) .123, 828 .9, 719 .0 | | | | | 0 | 0 | | | | | | 204,204 | 4007.7000000 | 2,014,000 | | 03/20/2022 . | | | | | . LAIIIDIL J | Liability neuge | Jar JUU |
| H41550 Call Options - SRP 500 Liability Hedge Exhibit 5 Interest SMP2/V02.PRED | | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 Liability Hedge Exhibit 5 Interest | | | | | | | | | | | | | | | | | | | | | | | 141550 0-11 0-41 |
| 141551 Call Options - SRP 500 Liability Hedge Exhibit 5 Interest | 0004 | | | (000 540) | | | 0.740 | | 400,000 | (000 540 | | 544 544 | 4057 7000000 | 0 070 000 | | 00.000.00000 | 00 (00 (0004 | | | | E 1.11.14 E | - | |
| 141551 Call Options - Liability Hedge Exhibit 5 Interest ACCESS / MORGAN STALEY/CLEARED .09/20/2021 .09/20/2022 .3,486,184 .4357.73000000 .272,272 .134,271 .61,914 .5,337 .0 (134,271) 141552 Call Options - Liability Hedge Exhibit 5 Interest (134,271) | | | | | 0 | 0 | | |) | | ••••• | | 4357.73000000 | | | | | 9K/GP150/KV30QJZQU/8 . | | Interest | . Exhibit 5 | Liability Hedge | S&P 500 |
| 141551 Call Options - SAP 500 Liability Hedge Exhibit 5 Interest STANLEY/CLEARED THOUGH CB0 97/02/2021 09/20/2021 09/20/2022 | | | | | | | | | | | | | | | | | | | | | | | |
| SAP 500 Liability Hedge Exhibit 5 Interest THOULH CBO OFFGPTSOTKV3UJUZ0078 09/20/2021 9/20/2022 | | | | | | | | | | | | | | | | | | | | | | | |
| Interest Kurdensk (Kraden) Auge (Graden) Auge (Gra | | | | | - | | | | | | | | | | | | | | | | | | |
| 14 1552 Call Options - S&P 500 Liability Hedge Exhibit 5 Interest ACCESS / MORGAN STANLEY/CLEARED .09/20/2021 .09/20/2022 | 0001 | | | (134,2/1). | 0 | 0 | 5,397 | |)61,914 | (134,2/1) | | | 4357.73000000 | | | 09/20/2022 . | | 9R/GPIS0/KV3UQJZQ0/8 . | | Interest | . Exhibit 5 | Liability Hedge | S&P 500 |
| 141552 Call Options - S&P 500 Liability Hedge Exhibit 5 Interest STANLEY/CLEARED .09/20/2021 .09/20/2022 .1,743,092 .4357.73000000 | | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 Liability Hedge Exhibit 5 Interest THOUGH GB0 997GPTS07KV3UQJZ0078 .09/20/2021 .09/20/2022 .1,743,092 .4357.73000000 136,136 | | | | | | | | | | | | | | | | | | | | | | | |
| 141553 Call Options - S&P 500 Liability Hedge Exhibit 5 Interest THROUGH CBO 977GPTS07KV300JZ0078 .09/20/2021 .09/20/2022 | | | | | | | | | | | | | | | | | | | | | | | |
| 141553 Call Options - Liability Hedge Exhibit 5 Interest ACCESS / MORGAN STALEV/CLEARED .09/20/2021 .09/20/2022 .1,307,319 .4357.73000000 .102,102 | 0001 | | | (67,136). | 0 | 0 | | |) | | | | 4357.7300000 | 1,743,092 | | 09/20/2022 . | 09/20/2021 | | | Interest | . Exhibit 5 | Liability Hedge | S&P 500 |
| 141553 Call Options - S&P 500 Liability Hedge Exhibit 5 Interest STANLEY/CLEARED THOUGH C80 9R7GPTS07KV3UQJZ0078 .09/20/2021 .09/20/2022 .1,307,319 .4357.73000000 02,102 | | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 Liability Hedge Exhibit 5 Interest THRUGH C80 997GPTS07KV3UQJZ0078 09/20/2021 09/20/2022 | | | | | | | | | | | | | | | | | | | | | | | |
| 141554 Call Options - SkP 500 Liability Hedge Exhibit 5 Interest THPOUGH CR0 .09/20/2021 .09/20/2022 | | | | | | | | | | | | | | | | | | | | | | - | |
| 141554 Call Options - S&P 500 Liability Hedge Exhibit 5 ACCESS / MORGAN STALEY/CLEARED 09/20/2021 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 0/20/2022 < | 0001 | | | (50,352). | 0 | 0 | | |)23,218 | (50,352) | | | 4357.7300000 | 1,307,319 | | 09/20/2022 . | 09/20/2021 | | | Interest | . Exhibit 5 | Liability Hedge | S&P 500 |
| 141554 Call Options - S&P 500 Liability Hedge Exhibit 5 Interest STANLEY/CLEARED 09/20/2021 09/20/2022 1,307,319 4357.73000000 | | | | | | 1 | | 1 | | | | | 1 | | | 1 | | | | 1 | | | |
| S&P 500 Liability Hedge Exhibit 5 Interest THPOUGH CB0 9976PTS07KV30QJZ0078 0.9/20/2021 0.9/20/2022 1.307,319 .4357.73000000 .102,102 | | | | | | 1 | | 1 | | | | | | | | 1 | | | | 1 | | | |
| 142228 Call Options - S&P 500 Liability Hedge Exhibit 5 Interest WELLS FARGO BANK, N.A. 09/20/2021 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/2022 09/20/ | | | | | | 1 | | 1 | | | | | 1 | | | 1 | | | STANLEY/CLEARED | 1 | | - | |
| 142228 Call Options - S&P 500 Liability Hedge Exhibit 5 Interest WELLS FARGO BANK, N.A. X-CHANGE FINANCIAL ACCESS / MORGAN STANLEY/CLEARED 09/20/2021 09/20/2021 09/20/2021 09/20/2022 | 0001 | | | (50,352) | 0 | 0 | | | | (50,352 | | | 4357.73000000 | 1,307,319 | . . | 09/20/2022 | 09/20/2021 | 9R7GPTS07KV3UQJZQ078 | THROUGH CBO | Interest | Exhibit 5 | Liability Hedge | S&P 500 |
| X-CHANGE FINANCIAL ACCESS / MORGAN STANLEY/CLEARED | | | | - | | 1 | | | | | | | | | | | | | WELLS FARGO BANK, | 1 | | - | |
| X-CHANGE FINANCIAL ACCESS / MORGAN STANLEY/CLEARED | | | | (144,861) | 0 | 0 | | | | | | | 4357.7300000 | 5,886,679 | L | 09/20/2022 . | 09/20/2021 | KB1H1DSPRFMYMCUFXT09 | | Interest | Exhibit 5 | Liability Hedge | |
| 141598 Call Options - STANLEY/CLEARED | | | | | | 1 | | 1 | | | | | 1 | | | 1 | | | X-CHANGE FINANCIAL | 1 | | | |
| 141598 Call Options - STANLEY/CLEARED | | | | | | 1 | | 1 | | | | | 1 | | | 1 | | | | 1 | | | |
| | | | | | | 1 | | 1 | | | | | | | | 1 | | | | 1 | | - | 141598 Call Options |
| | | | | (104,065) | 0 | | | | 57,236 | | | | 4363.55000000 | | I | | | . 9R7GPTS07KV3UQJZQ078 | THROUGH CB0 | Interest | Exhibit 5 | Liability Hedge | S&P 500 |
| X-CHANGE FINANCIAL | | | | , , | | | | | , | | | , | | | | | | | | | | | |
| ACCESS / NORGAN | | | | | | 1 | | 1 | | | | | | | | 1 | | | | 1 | | | |
| 141600 Call Options - STANLEY/CLEARED | | | | | | 1 | | 1 | | | | | 1 | | | 1 | | | | 1 | | - | 141600 Call Ontions |
| Bit Display Display Exhibit 5 Interest Through Call Display Display <td></td> <td></td> <td></td> <td>(52 032)</td> <td>n</td> <td>0</td> <td>3 019</td> <td>1</td> <td>28 618</td> <td>(52 032</td> <td></td> <td>105 510</td> <td>4363 55000000</td> <td>1 309 065</td> <td></td> <td>10/06/2022</td> <td>10/06/2021</td> <td>98769TS07KV3U0,170078</td> <td></td> <td>Interest</td> <td>Exhibit 5</td> <td>Liability Hedge</td> <td></td> | | | | (52 032) | n | 0 | 3 019 | 1 | 28 618 | (52 032 | | 105 510 | 4363 55000000 | 1 309 065 | | 10/06/2022 | 10/06/2021 | 98769TS07KV3U0,170078 | | Interest | Exhibit 5 | Liability Hedge | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| A CACESS / MORGAN | | | | | | 1 | | 1 | | | | | | | | 1 | | | | 1 | | | |
| 141602 Call Options - STANEY/CEARED | | | | | | 1 | | 1 | | | | | 1 | | | 1 | | | | 1 | | _ | 141602 Call Ontions |
| 141002 Call Options - Liability Hedge Exhibit 5 Interest THR0UGH CBO 9R76PT507KV300J20078 10/06/2021 10/06/2021 10/06/2021 11/40,680 (69,376) | | | | (60.976) | <u>م</u> | 0 | 1 274 | 1 | 20 157 | (60.976) | | 140 690 | 1363 55000000 | 1 7/5 /00 | | 10/06/2022 | 10/06/2021 | 00700T007//1/0110 170070 | | Interest | Evhibit 5 | liahility ⊎odoo | |
| 56° 300 | | | | (09,010). | U | | | | /دا , مر | | | | 4000.00000000 | | + | 10/ 00/ 2022 . | 10/ 00/ 2021 | | | | | Liaurinty neuge | our JUV |
| A CURRENT INVELLE ACCESS / MORGAN | | | | | | 1 | | 1 | | | | | | | | 1 | | | | 1 | | | |
| | | | | | | 1 | | 1 | | | | | | | | 1 | | | | 1 | | | 141000 0-11 0-41 |
| | 0004 | | | (00.070) | | | 4 070 | 1 | 00.455 | (00.070) | | 440,000 | 4000 55000000 | 4 745 400 | | 10/00/0000 | 10/00/0001 | | | Intern A | Euclidean E | - | |
| Skp Stol Liability Hedge Exhibit 5 Interest THP004/100/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10/06/2021 10 | | | | (69,3/6). | 0 | 0 | 4,9/9 | | | | | | 4363.55000000 | | + | 10/06/2022 . | 10/06/2021 | 9H/GP150/KV30QJZQ0/8 . | | interest | Exhibit 5 | | |
| | 0001 | | | (110, 100) | | | 04 503 | 1 | 04.004 | (440, 400) | | 004 004 | 4000 55000000 | 0 040 400 | | 40.000.00000 | 40 (00 (000) | | | l | E 1.11.14 E | | |
| Sap 500 Liability Hedge KB1H1DSPRFIMMCUFXT09 10/06/2021 10/06/2022 | | | | (148,480) | 0 | 0 | | | | (148,480 | | | 4363.55000000 | | | 10/06/2022 . | . 10/06/2021 | KRIHJDSPREMAMOUEX109 | N.A | interest | Exhibit 5 | LIADIIITY Hedge | 5&P 500 |

| | | | | | | | s, Caps, I | loors, Colla | | | | | | | | | | | | | |
|----------------------------------|------------------|-------------|----------|------------------------------------------------|---------------|----------------|------------|--------------|----------------|--------------|--------------|-------------------|----------|-------------|---------------|------------------|-----------|-------------|-----------|---------|--------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 1 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | | | | | | | | | | Cumulative | | | | | | | | | | | |
| | | | | | | | | | | Prior | Current | | | | | | | | | | |
| | Description | | | | | | | | | Year(s) | Year Initial | | | | | | | | | | |
| | of Item(s) | | | | | | | | Strike | Initial Cost | Cost of | | | | | | | | | Credit | Hedge |
| | | | | | | | | | | | | | | | | T - 4 - 1 | 0 | A | | | |
| | Hedged, | | | | | | | | Price, | of Un- | Un- | | | | | Total | Current | Adjustment | | Quality | |
| | Used for | | Type(s) | | | Date of | | | Rate or | discounted | discounted | | Book/ | | Unrealize | | Year's | to Carrying | | of | at Inception |
| | Income | Schedule/ | of | | | Maturity | Number | | Index | Premium | Premium | Current | Adjusted | | Valuatio | | (Amorti- | Value of | | Refer- | and at |
| | Generation | Exhibit | Risk(s) | Exchange, Counterparty | Trade | or | of | Notional | Received | (Received) | (Received) | Year | Carrying | | Increase | | zation)/ | Hedged | Potential | ence | Quarter-end |
| Description | or Replicated | Identifier | (a) | or Central Clearinghouse | Date | Expiration | Contracts | Amount | (Paid) | Paid | Paid | Income | Value | Code Fair V | alue (Decreas | e) B./A.C.V. | Accretion | Item | Exposure | Entity | (b) |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | |
| 142840 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | PLC 4PQUHN3JPFGFNF3BB653 . | 10/06/2021 | 10/06/2022 . | | 1, 161, 272 | 4363.55000000 | | | (43,316) | | | 2,910 | | (43,316 |) | | | 0001 |
| 142847 Call Options - | | | | WELLS FARGO BANK, | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | N.A KB1H1DSPRFMYMCUFXT09 . | 10/06/2021 | 10/06/2022 . | | 6,428,644 | 4363.55000000 | | | (241,892) | | | 0,207) | | |) | | | 0001 |
| 142851 Call Options - | | | | WELLS FARGO BANK, | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | N.A KB1H1DSPRFMYMCUFXT09 . | 10/06/2021 | 10/06/2022 . | | 2,738,302 | 4363.55000000 | | | (103,035) | | | .5,525 | | (103,035 |) | | | 0001 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | |
| 141905 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 . | 10/20/2021 | 10/20/2022 . | | | 4536.19000000 | 61,510 | | (30,334) | | | .1,222 | | |) | | | 0001 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | 1 | | 1 | | | . |
| | | | | ACCESS / MORGAN | | 1 | | | | | | | | | | 1 | | | | | . |
| 141906 Call Options - | | I | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 . | 10/20/2021 | 10/20/2022 . | | 1,360,857 | 4536.19000000 | | | (45,501) | | •••••• | 2,010 | | (45,501) |) | | | 0001 |
| 142240 Call Options - | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | SOCIETE GENERAL 02RNE81BXP4R0TD8PU41 . | 10/20/2021 . | 10/20/2022 . | | 6, 193, 215 | 4536.19000000 | 251,445 | | (124,000) | 77,845 | •••••• | 49 | | (124,000 |) | | | 0001 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | |
| 142655 Call Options - | | e e | | CO. INTERNATIONAL | 10 100 10001 | | | 0.574.040 | 1500 10000000 | 170 740 | | (00.447) | 55 007 | | 4 070 | | (00.447 | | | | 0004 |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | PLC | 10/20/2021 | 10/20/2022 . | | 2,574,016 | 4536.1900000 | 178,743 | | (88,147) | | | .1,879 | | |) | | | 0001 |
| 110050 0 11 0 11 | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | |
| 142658 Call Options - | | E 1 11 14 E | | CO. INTERNATIONAL | 40 (00 (0004 | 40 (00 (0000 | | 7 040 700 | 4500 40000000 | 500.007 | | (050,000) | 457.040 | | 7 000 | | (050,000) | | | | 0004 |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | PLC 4PQUHN3JPFGFNF3BB653 . MORGAN STANLEY & | 10/20/2021 | 10/20/2022 . | | 7,318,780 | 4536.1900000 | | | (250,633) | | ••••• | .7 , 332 | | (250,633 |) | | | 0001 |
| 140050 0-11 0-41 | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | |
| 142659 Call Options - S&P 500 | | E 1 11 14 E | | PLC 4PQUHN3JPFGFNF3BB653 . | 40 (00 (0004 | 40.000.0000 | | 0 704 570 | 4500 4000000 | | | (92,515) | 50.070 | | 0.004 | | | | | | 0004 |
| Sap 500 | Liability Hedge | Exhibit 5 | Interest | | 10/20/2021 . | 10/20/2022 . | | 2,701,573 | 4536.1900000 | | | | | | .3,024 | | |) | | | 0001 |
| 142662 Call Options - | | | | MORGAN STANLEY & CO. INTERNATIONAL | | | | | | | | | | | | | | | | | |
| S&P 500 | Liphility Hodgo | Exhibit 5 | Interest | PLC 4PQUHN3JPFGFNF3BB653 . | | | | 1,589,526 | 4536.19000000 | | | (54,434) | | | 1,891 | 0 | (54,434 | | | | 0001 |
| Jar Juu | Liability Hedge | LAIIIDITE J | Interest | X-CHANGE FINANCIAL | 10/ 20/ 202 1 | 10/20/2022 . | | 1, 309, 320 | 4330. 13000000 | | | | | | 1,031 | | | / | | | 0001 |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | |
| 143645 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | | | | 3,288,271 | 4697.53000000 | | | (111,060) | | | 1,457 | 0 0 | (111,060 |) | | | 0001 |
| 041 000 | Liability lieuge | | | X-CHANGE FINANCIAL | | | | | | | | | | | .,,,,,, | | | / | | | 0001 |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | |
| 143652 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | .11/05/2021 | . 11/04/2022 . | | 7,516,048 | 4697.53000000 | | | (253,851) | | | 4,480 | 0 0 | (253,851 |) | | | 0001 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | , | | | | | | |
| | | | | ACCESS / MORGAN | | 1 | | | | | | | | | | 1 | | | | | . |
| 143655 Call Options - | | | | STANLEY/CLEARED | | 1 | | | | | | | | | | 1 | | | | | . |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | | | | 3,288,271 | 4697.53000000 | | | <u>(</u> 111,060) | | | 2,129 | | (111,060) |) | | | 0001 |
| | | 1 | | X-CHANGE FINANCIAL | | | | | | | | | | | | | 1 | 1 | | | · · · · · |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | 1 | | 1 | | | . |
| 143659 Call Options - | | | | STANLEY/CLEARED | | 1 | | | | | | | | | | 1 | | | | | . |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | 11/05/2021 | | | | 4697.53000000 | 64, 168 | | (31,731) | | | | | (31,731) |) | | | 0001 |
| | | | | X-CHANGE FINANCIAL | | 1 | | | | | | | | | | 1 | | | | | . |
| | | | | ACCESS / MORGAN | | | | | | | | | | | 1 | 1 | | 1 | | | . |
| 143661 Call Options - | | | | STANLEY/CLEARED | | 1 | | | | | | | | | | 1 | | | | | . |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 . | 11/05/2021 | | | | 4697.53000000 | 64, 168 | | (31,731) | | | | | (31,731) |) | | | 0001 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | 1 | | 1 | | | . |
| | | | | ACCESS / MORGAN | | 1 | | | | | | | | | | 1 | | | | | . |
| 143677 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | 1 | | 1 | | | . |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 . | 11/05/2021 | 11/04/2022 . | | 1,409,259 | 4697.53000000 | | | (47,597) | | | .1,089 | 0 | |) | | | 0001 |
| | | | | X-CHANGE FINANCIAL | | 1 | | | | | | | | | | 1 | | | | | . |
| | | | | ACCESS / MORGAN | | 1 | | | | | | | | | | 1 | | | | | . |
| 143679 Call Options - | 1 | L | 1. | STANLEY/CLEARED | | | | | | | | | | | | | | | | | I |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 . | 11/05/2021 | 11/04/2022 . | | 1,879,012 | 4697.53000000 | | | (63,463) | | | .1,586 | | |) | | | 0001 |
| 143748 Call Options - | | _ | l | WELLS FARGO BANK, | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | N.A KB1H1DSPRFMYMCUFXT09 . | 11/05/2021 | 11/04/2022 . | | 7, 538, 524 | 4697.53000000 | | | (147,623) | 104,976 | | 3 | 0 | (147,623 |) | | | 0001 |
| | | | | | | | | | | | | | | | | | | | | | |

| | | | | 0 | | | 3, Oaps, i i | 0013, 00114 | 13, 01000 | and Forwar | us open a | | | ni Dale | | | | | | | |
|-----------------------|----------------------|------------|---------------|------------------------------------------|---------------|----------------|--------------|-------------|---------------|--------------|--------------|---------------|----------|-----------------|------------|-----------|------------|-----------------------------------------|------------|---------|---------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | | | | | | | | | | Cumulative | | | | | | | | | | | |
| | | | | | | | | | | Prior | Current | | | | | | | | | | |
| | Description | | | | | | | | | | Year Initial | | | | | | | | | | |
| | Description | | | | | | | | . | Year(s) | | | | | | | | | | | |
| | of Item(s) | | | | | | | | Strike | Initial Cost | Cost of | | | | | | | | | Credit | Hedge |
| | Hedged, | | | | | | | | Price, | of Un- | Un- | | | | | Total | Current | Adjustment | | Quality | Effectiveness |
| | Used for | | Type(s) | | | Date of | | | Rate or | discounted | discounted | | Book/ | | Unrealized | Foreign | Year's | to Carrying | | of | at Inception |
| | Income | Schedule/ | of | | | Maturity | Number | | Index | Premium | Premium | Current | Adjusted | | Valuation | Exchange | (Amorti- | Value of | | Refer- | and at |
| | | | | Fuch and A construction | Trade | | | Markanal | | | | | | | | | · · · | | Determined | | |
| | Generation | Exhibit | Risk(s) | Exchange, Counterparty | Trade | or | of | Notional | Received | (Received) | (Received) | Year | Carrying | | Increase/ | Change in | zation)/ | Hedged | Potential | ence | Quarter-end |
| Description | or Replicated | Identifier | (a) | or Central Clearinghouse | Date | Expiration | Contracts | Amount | (Paid) | Paid | Paid | Income | Value | Code Fair Value | (Decrease) | B./A.C.V. | Accretion | Item | Exposure | Entity | (b) |
| | | | Х- | -CHANGE FINANCIAL | | | | | | | | | | | | | | | | | |
| | | | AC | CCESS / MORGAN | | | | | | | | | | | | | | | | | |
| 143681 Call Options | - | | ST | ANLEY/CLEARED | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest TH | ROUGH CB0 | | .11/18/2022 . | | 1,409,388 | 4697.96000000 | 102,462 | | (50,668) | 39,971 | 1,32 | 0 | 0 | (50,668 |) | | | 0001 |
| | | | | CHANGE FINANCIAL | | 1 | | | | | | | | | | | | , | | | |
| | | | | CESS / MORGAN | | | | | | | | | | | | | | | | | |
| 143683 Call Options | _ | | | ANLEY/CLEARED | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | | ROUGH CB0 | | . 11/18/2022 . | | 1,409,388 | | 102,462 | | (50,668) | 39,971 | | | 0 | (50,668 | | | | 0001 |
| | | EXILIDIT 5 | | | 11/ 19/ 202 1 | | | 1,409,300 | 4097.9000000 | 102,402 | | (30,000) | | | 0 | 0 | | / | ••••• | | 0001 |
| 143797 Call Options | | | | NK OF AMERICA, | | | | 0 700 007 | | | | (100.040) | 70 550 | | | | (100.040 | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | | AB4TYDEB6GKMZ0031MB27 . | 11/19/2021 | 11/18/2022 . | | 2,730,067 | 4697.96000000 | | | (100 , 848) | | 1,47 | 0 | 0 | |) | ••••• | | 0001 |
| 143818 Call Options | | _ | | NK OF AMERICA, | | 1 | | | | | | | | | .] | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | | A B4TYDEB6GKMZ0031MB27 . | 11/19/2021 | 11/18/2022 . | | 1,796,903 | 4697.9600000 | 134,229 | | (66,377) | | | 0 | 0 | |) | | | 0001 |
| 143827 Call Options | | 1 | | NK OF AMERICA, | | | | | | | | | | | | 1 | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest N. | A | 11/19/2021 | 11/18/2022 . | | 6,479,631 | 4697.9600000 | 484,029 | | (239,355) | | | 0 | 0 | (239,355 |) | | | 0001 |
| 143835 Call Options · | - | 1 | | NK OF AMERICA, | | 1 | | | | | | | | | 1 | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest N. | A. B4TYDEB6GKMZ0031MB27 | | . 11/18/2022 . | | 2,342,711 | 4697.96000000 | 175,001 | | (86,539) | | | | .0 | |) | | | 0001 |
| 143891 Call Options | | | | | | T · · · | | | | | | | , | | | | , | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest BA | RCLAYS BANK PLC . G5GSEF7VJP5170UK5573 . | 11/19/2021 | | | 5,606,163 | 4697.96000000 | | | (110,891) | | | . 0 | 0 | | | | | 0001 |
| 001 000 | Liability heage | Exilibit 5 | | -CHANGE FINANCIAL | | | | | | | | | | | | | | | | | 0001 |
| | | | | CCESS / MORGAN | | | | | | | | | | | | | | | | | |
| 144170 Call Options | | | | ANLEY/CLEARED | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | | ROUGH CBO 9R7GPTS07KV3UQJZQ078 . | 12/06/2021 | 12/06/2022 . | | 5,050,837 | 4591.6700000 | | | (210,477) | | | 0 | 0 | |) | | | 0001 |
| | | | | -CHANGE FINANCIAL | | | | | | | | | | | | | | | | | |
| | | | | CCESS / MORGAN | | | | | | | | | | | | | | | | | |
| 144175 Call Options · | - | | ST | ANLEY/CLEARED | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest TH | ROUGH CBO 9R7GPTS07KV3UQJZQ078 . | 12/06/2021 | 12/06/2022 . | | 1,836,668 | 4591.6700000 | 155,200 | | (76,537) | | | 0 | 0 | |) | | | 0001 |
| | , ŭ | | Х | CHANGE FINANCIAL | | | | | | | | | | | | | | | | | |
| | | | | CCESS / MORGAN | | | | | | | | | | | | | | | | | |
| 144178 Call Options | - | | | ANLEY/CLEARED | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | | ROUGH CB0 9R7GPTS07KV3UQJZQ078 . | 12/06/2021 | | | 5,969,171 | 4591.67000000 | | | (248,745) | | | | 0 | (248,745 | | | | 0001 |
| 144214 Call Options | | Exilibit 5 | 111101031 111 | | 12/ 00/ 202 1 | 12/ 00/ 2022 . | | | | | | | | | 0 | | | , | | | 0001 |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest BA | RCLAYS BANK PLC . G5GSEF7VJP5170UK5573 . | 12/06/2021 | | | | 4591.67000000 | 197,967 | | (97,628) | | | | 0 | | , , | | | 0001 |
| 3αF 300 | Liability neuge | EXILIDIT 5 | IIIterest DA | INCLATS DANK FLC. 0303EF/VJF31/UUK33/3. | 12/00/2021 | 12/00/2022 . | •••••• | | 4391.0700000 | | | (97,020) | | | | 0 | | | ••••• | | 0001 |
| 144225 Call Options - | | | | | 10 100 10001 | 10 /00 /0000 | | | 4504 0700000 | 75 540 | | (07.055) | | | | | (07.055 | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest BA | RCLAYS BANK PLC . G5GSEF7VJP5170UK5573 | 12/06/2021 | 12/06/2022 . | | | 4591.6700000 | | | (37,255) | | 1,74 | 0 | 0 | |) | | | 0001 |
| 144233 Call Options - | | | | | 10 /00 / | 10/05 | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | | RCLAYS BANK PLC . G5GSEF7VJP5170UK5573 . | 12/06/2021 | 12/06/2022 . | | 2,214,571 | 4591.6700000 | | | (92,830) | | | 0 | 0 | (92,830 |) | | | 0001 |
| 144241 Call Options · | | 1 | | ELLS FARGO BANK, | | 1 | | | | | | | | | 1 | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest N. | A KB1H1DSPRFMYMCUFXT09 | 12/06/2021 | 12/06/2022 . | - | 7,271,610 | 4591.6700000 | | | | | 12 | 0 | 0 | |) | | | 0001 |
| 144708 Call Options | | 1 | | | | 1 | | | | | | | | | 1 | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | | CIETE GENERAL 02RNE8IBXP4R0TD8PU41 | 12/20/2021 | 12/20/2022 . | | 5,936,211 | 4568.0200000 | 105,071 | | (51,816) | | | 0 | 0 | (51,816 |) | | | 0001 |
| | | 1 | Х- | CHANGE FINANCIAL | | 1 | | | | | | | | | 1 | | | | | | |
| | | 1 | AC | CCESS / MORGAN | | | | | | | | | | | | 1 | | | | | |
| 144727 Call Options | - | 1 | | ANLEY/CLEARED | | | | | | | | | | | | 1 | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | | | 12/20/2021 | | | | 4568.02000000 | | | (185,400) | | | i 0 | 0 | (185, 400 |) | | | 0001 |
| | | | | CHANGE FINANCIAL | | | | | | | | | | | • | • | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | |
| | | 1 | | CCESS / MORGAN | | | | | | | | | | | | 1 | | | | | |
| 144729 Call Options | _ | 1 | | ANLEY/CLEARED | | | | | | | | | | | | 1 | | | | | |
| S&P 500 | - LIABILITY HEDGE | Exhibit 5 | | ROUGH CBO | 12/20/2021 | | | | 4568.02000000 | | | (259,560) | | | | _ | (259,560 | | | | 0001 |
| 3αr JUU | LINDILITT REDUE | LXIIIDIL D | | | 12/20/2021 | 12/20/2022 . | | 0, 390, 228 | 4000.02000000 | | | | | | | | | | | | |
| | | 1 | | CHANGE FINANCIAL | | 1 | | | | | | | | | 1 | | | | | | |
| | | 1 | | CCESS / MORGAN | | 1 | | | | | | | | | 1 | | | | | | |
| 144731 Call Options | | 1 | | ANLEY/CLEARED | | 1 | | | | | | | | | 1 | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | | ROUGH CBO 9R7GPTSO7KV3UQJZQO78 . | 12/20/2021 | 12/20/2022 . | | 1,370,406 | 4568.0200000 | | | (55,620) | | | 0 | 0 | (55,620 |) | | | 0001 |
| | | 1 | Х- | CHANGE FINANCIAL | | | | | | | | | | | | 1 | | | | | |
| | | 1 | AC | CCESS / MORGAN | | | | | | | | | | | | 1 | | | | | |
| 144733 Call Options - | - | 1 | ST | ANLEY/CLEARED | | | | | | | | | | | | 1 | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | | ROUGH CB0 | 12/20/2021 | 12/20/2022 . | | | 4568.02000000 | | | (37,080) | | | 0 | 0 | |) | | | 0001 |
| 144738 Call Options | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest Cl | TIBANK N.A E570DZWZ7FF32TWEFA76 . | 12/20/2021 | | | 2.396.526 | 4568.02000000 | 198.945 | | (98,110) | 94.840 | 4.68 | n . | 0 | (98,110 | | | | 0001 |
| Jui JUU | | LAIIDIL J | | LUNNIN N.A LUIVULIILIII ULIIEFA/U . | 12/20/2021 | | | | | | | (30,110) | / | | | 0 | | / | · | | |

| | | | | | Showing | all Option | is, Caps, Floo | ors, Colla | ars, Swaps | and Forwa | ros Open a | s of Curre | ni Stateme | ni Dale | | | | | | | |
|-----------------------|-----------------------|----------------|--------------|-------------------------------------|--------------|--------------|----------------|------------|---------------|--------------|--------------|-------------|--------------|---------|------------|----------------|-----------|--------------|-------------|-------------|--------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 2 | 2 23 |
| | | | | | | | | | | Cumulative | | | | | | | | | | | |
| | | | | | | | | | | Prior | Current | | | | | | | | | | |
| | Description | | | | | | | | | | | | | | | | | | | | |
| | Description | | | | | | | | | Year(s) | Year Initial | | | | | | | | | - | |
| | of Item(s) | | | | | | | | Strike | Initial Cost | Cost of | | | | | | | | | Cr | edit Hedge |
| | Hedged, | | | | | | | | Price, | of Un- | Un- | | | | | | Total | Current | Adjustment | Qu | ality Effectivenes |
| | Used for | | Type(s) | | | Date of | | | Rate or | discounted | discounted | | Book/ | | | Unrealized | Foreign | Year's | to Carrying | | of at Inception |
| | Income | Schedule/ | of | | | Maturity | Number | | Index | Premium | Premium | Current | Adjusted | | | Valuation | Exchange | (Amorti- | Value of | | fer- and at |
| | | | - | Eveloperate Counterments | Trada | | | Intional | | | | | | | | | | | | | |
| | Generation | Exhibit | Risk(s) | Exchange, Counterparty | Trade | or | | Notional | Received | (Received) | (Received) | Year | Carrying | | | Increase/ | Change in | zation)/ | Hedged | | ce Quarter-en |
| Description | or Replicated | Identifier | (a) | or Central Clearinghouse | Date | Expiration | Contracts A | Amount | (Paid) | Paid | Paid | Income | Value | Code | Fair Value | (Decrease) | B./A.C.V. | Accretion | Item | Exposure Er | tity (b) |
| OAC 3901-1-67 Equity | | | | | | | | | | | | | | | | | | | | | |
| Options Adjustment | | | | | | | | | | | | | | | | (11, 112,062) | | | | | |
| | ntal - Purchased Or | tions - Heda | ing Other (| Call Options and Warrants | | | | | | 18,545,287 | 23.837.459 | (14.825.435 |) 22,789,539 | XXX | 2,252,558 | | ٥ | (14,825,435) | 0 | 0 XX | X XXX |
| | | | | | | | | | | 18,545,287 | ., . , | (14,825,435 | | XXX | 2,252,558 | | 0 | (14,825,435) | 0 | | |
| 0219999999. Subto | | | | | | | | | | | 23,837,459 | (14,820,430 |) 22,789,539 | | 2,202,008 | (11, 112, 062) | U | (14,820,430) | - | | |
| 0289999999. Subto | otal - Purchased Op | otions - Repli | cations | | | | | | | 0 | 0 | 0 | 0 | XXX | 0 | 0 | 0 | 0 | 0 | | |
| 0359999999. Subto | otal - Purchased Op | tions - Incon | ne Generatio | on | | | | | | 0 | 0 | 0 | 0 | XXX | 0 | 0 | 0 | 0 | 0 | 0 XX | XXX XXX |
| 0429999999. Subto | tal - Purchased Or | tions - Other | | | | | | | | 0 | 0 | ٥ | 0 | XXX | ٥ | ٥ | ٥ | ٥ | 0 | 0 XX | X XXX |
| | | | | | | | | | | 0 | 0 007 150 | (11.005.105 | 0 700 500 | | 0 | 0 | 0 | 0 | • | | |
| 0439999999. Total | | | | rants | | | | | | 18,545,287 | | (14,825,435 | | XXX | 2,252,558 | (11, 112, 062) | 0 | (14,825,435) | 0 | | |
| 0449999999. Total | Purchased Options | s - Put Optior | าร | | | | | | | 0 | 0 | 0 | 0 | XXX | 0 | 0 | 0 | 0 | 0 | 0 XX | XXX XXX |
| 0459999999. Total | Purchased Options | s - Caps | | | | | | | | 0 | 0 | 0 | 0 | XXX | 0 | 0 | 0 | 0 | 0 | 0 XX | X XXX |
| 04699999999. Total | | | | | | | | | | 0 | | 0 | 0 | XXX | 0 | 0 | 0 | 0 | | | |
| | | | | | | | | | | - | - | 0 | | | 0 | 0 | 0 | U | | | |
| 0479999999. Total | Purchased Options | s - Collars | | | | | | | | 0 | 0 | 0 | 0 | XXX | 0 | 0 | 0 | 0 | 0 | | |
| 0489999999. Total | Purchased Options | s - Other | | | | | | | | 0 | 0 | 0 | 0 | XXX | 0 | 0 | 0 | 0 | 0 | 0 XX | XXX XXX |
| 0499999999. Total | | | | | | | | | | 18,545,287 | | (14,825,435 |) 22,789,539 | XXX | 2,252,558 | (11, 112, 062) | 0 | (14,825,435) | 0 | | |
| | | | | | | | | | | | 20,007,400 | (14,020,400 | , 22,103,303 | | 2,202,000 | (11,112,002) | 0 | (14,020,400) | | | |
| | | | | cluding Variable Annuity Guarante | | AF INO. 108 | | | | 0 | 0 | 0 | 0 | XXX | 0 | 0 | 0 | 0 | 0 | | |
| 0639999999. Subto | otal - Written Optior | ns - Hedging | Effective Va | ariable Annuity Guarantees Under S | SAP No.108 | | | | | 0 | 0 | 0 | 0 | XXX | 0 | 0 | 0 | 0 | 0 | 0 XX | XXX XXX |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | |
| 145235 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | |
| | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | 8 01/06/2022 | 01/06/2023 | | 5 7/3 083 | 4786.65220374 | | (363, 192) | | (189,059) | | | 0 | 0 | | | | 0014 |
| Sar 500 | | EXILIBITE J | Interest | X-CHANGE FINANCIAL | 0 | 01/00/2023 | | | 4/00.032203/4 | | (000, 192) | | (109,039) | | | 0 | 0 | | | | 00 14 |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | 1 | | 1 | | | |
| 145242 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ07 | 801/06/2022 | 01/06/2023 | | 1,918,089 | 4795.22367768 | | (119,072) | | (61,983) | | | 0 | 0 | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | |
| 145245 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | 801/06/2022 | 01/06/2023 | | | 4915.42579469 | | | | (24, 118) | | | 0 | 0 | | | | 0014 |
| 145254 Call Options - | | Exilibit 5 | 111101031 | | 0 | | | | | | | | | | | | | | | | |
| 145254 Gall Options - | | Fublic A.F. | Internet | CITIBANK N.A. E570DZWZ7FF32TWEFA | 01/00/0000 | 01/00/0000 | | 5.871.743 | 4001 50445000 | | (348,728) | 167.198 | (101 500) | | | | | 107 100 | | | 0014 |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | GITTERNA N.A ES/UDZWZ/FF321WEFA | 7601/06/2022 | 01/06/2023 . | + | | 4831.50445368 | | (348,728) | | (181,530) | | | ······0 | 0 | | | | 0014 |
| 145257 Call Options - | | | | | | | | | | .] | ,· | | | | | | | | | | 0011 |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | CITIBANK N.A E570DZWZ7FF32TWEFA | 7601/06/2022 | 01/06/2023 . | + | 2,308,712 | 4844.01909885 | · | (133, 405) | | (69,444) | | | 0 | 0 | | | | 0014 |
| 145259 Call Options - | | 1 | | | | | 1 | | | | | | 1 | | | | | | | | |
| | LIABILITY HEDGE | Exhibit 5 | Interest | CITIBANK N.A E570DZWZ7FF32TWEFA | 7601/06/2022 | 01/06/2023 | | 1,302,562 | 4938.33319493 | | (60,328) | | (31,403) | | | 0 | 0 | | | | 0014 |
| 145299 Call Options - | | 1 | | | | 1 | 1 | | | 1 | | | 1 | | | 1 | | 1 | | | |
| | LIABILITY HEDGE | Exhibit 5 | Interest | SOCIETE GENERAL 02RNE81BXP4R0TD8PU4 | 101/06/2022 | 01/06/2023 . | 1 | 6,720,654 | 4835.80649239 | L | (398,765) | | | | | | 0 | | L | | 0014 |
| 145764 Call Options - | | | | WELLS FARGO BANK, | | 1 | T | | | | | | ,, | | | [| | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | N.A. KB1H1DSPRFMYMCUEXT | 901/20/2022 | 01/20/2023 | | 5.938.603 | 4623.23208459 | d . | (166,986) | | (93, 329) | | | 0 | ٥ | | | | 0014 |
| 145769 Call Options - | Endienn HEUGE | Exmort J | | WELLS FARGO BANK. | | | † | | | | | | | | | | | | | | |
| | | FURTHER F | Indexes d | | 0 01/00/0000 | 01/00/0000 | | 4 050 001 | 4570 00044040 | | (070 457) | 100 001 | (450,000) | | | _ | ~ | 100 001 | | | 0014 |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | N.A. KB1H1DSPRFMYMCUFXT | 901/20/2022 | 01/20/2023 . | + | 4,058,031 | 4570.09214943 | + | (273,457) | | (152,836) | | | ·····0 | 0 | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | 1 | | 1 | | | |
| | | 1 | | ACCESS / MORGAN | | 1 | 1 | | | 1 | | | 1 | | | 1 | | 1 | | | |
| 145788 Call Options - | | 1 | | STANLEY/CLEARED | | 1 | 1 | | | 1 | | | 1 | | | 1 | | 1 | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ07 | 801/20/2022 | 01/20/2023 | . | 1,413,951 | 4713.16990223 | | (65,385) | | (36,544) | | | 0 | 0 | | | | 0014 |
| | | 1 | | X-CHANGE FINANCIAL | | | | | | | (11,130) | | | | | | | | | | |
| | | 1 | | ACCESS / MORGAN | | | 1 | | | | | | 1 | | | | | | | | |
| 145830 Call Options - | | 1 | | STANLEY/CLEARED | | 1 | | | | 1 | | | 1 | | | 1 | | 1 | | | |
| | | FURTHER F | Indexes d | | 0 01/00/0000 | 01/00/0000 | | 0.000 450 | 4504 04000000 | | (440.005) | 00 511 | (00.474) | | | _ | ~ | 00 544 | | | 0014 |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | o | 01/20/2023 . | + | 2,292,159 | 4584.31888098 | · | (143,985) | | (80,474) | | | ······0 | 0 | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | 1 | | 1 | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | 1 | | 1 | | | |
| 145836 Call Options - | | 1 | | STANLEY/CLEARED | | 1 | | | | 1 | | | 1 | | | 1 | | 1 | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ07 | 801/20/2022 | 01/20/2023 | 1 | 6,003,752 | 4618.27050527 | L | (349,596) | | (195,391) | | | 0 | 0 | | L | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | 1 | | | | | | | | |
| | | 1 | | ACCESS / MORGAN | | 1 | | | | 1 | | | 1 | | | 1 | | 1 | | | |
| 145838 Call Options - | | 1 | | STANLEY/CLEARED | | 1 | | | | 1 | | | 1 | | | 1 | | 1 | | | |
| | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CBO 9R7GPTS07KV3UQJZQ07 | 01/20/2022 | 01/20/2022 | | 1 202 /17 | 4641.38967635 | | (76,803) | 33.877 | (42,926) | | | | 0 | 33.877 | | | 0014 |
| JAF JUU | LINDILIII NEUUE | LXIIIDIL 0 | IIILEIESL | 11110001 000 | uui/20/2022 | | . . | 1,092,41/ | 4041.3090/035 | · | (/0,003) | | | | | L | µU | | | | 0014 |

| | - | | | _ | | | | - | | | us Open a | | | | | | | | | | | |
|-----------------------------------|-----------------|------------|-----------|--------------------------------------------|--------------|---------------|-----------|-----------------|---------------|-----------------------------------------|---------------|---------|-----------|------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-------------|-----------|---------|---------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | | | | | | | | | | Cumulative | | | | | | | | | | | | |
| | | | | | | | | | | Prior | Current | | | | | | | | | | | |
| | Description | | | | | | | | | Year(s) | Year Initial | | | | | | | | | | | |
| | | | | | | | | | O 1 11 | | | | | | | | | | | | o | |
| | of Item(s) | | | | | | | | Strike | Initial Cost | Cost of | | | | | | | | | | Credit | Hedge |
| | Hedged, | | | | | | | | Price, | of Un- | Un- | | | | | | Total | Current | Adjustment | | Quality | Effectiveness |
| | Used for | | Type(s) | | | Date of | | | Rate or | discounted | discounted | | Book/ | | | Unrealized | Foreign | Year's | to Carrying | | of | at Inception |
| | Income | Schedule/ | of | | | Maturity | Number | | Index | Premium | Premium | Current | Adjusted | | | Valuation | Exchange | (Amorti- | Value of | | Refer- | andat |
| | Generation | Exhibit | Risk(s) | Exchange, Counterparty | Trade | or | | Notional | Received | (Received) | (Received) | Year | Carrying | | | Increase/ | Change in | zation)/ | Hedged | Potential | ence | Quarter-end |
| Description | or Replicated | Identifier | (a) | or Central Clearinghouse | Date | Expiration | | Amount | (Paid) | Paid | Paid | Income | Value | Codo | Fair Value | (Decrease) | B./A.C.V. | Accretion | Item | Exposure | Entity | (b) |
| | or Replicated | luentiner | (a) | | Dale | Expiration | Contracts | Amount | (Palu) | Palu | Palu | Income | value | Code | Fall value | (Decrease) | D./A.C.V. | Accretion | item | Exposure | Enuty | (U) |
| 146417 Call Options - | | | | GOLDMAN SACHS | | | | | | | | | | | | _ | - | | | | | |
| S&P 500 L | LIABILITY HEDGE | Exhibit 5 | Interest | INTERNATIONAL W22LR0WP21HZNBB6K528 | 02/04/2022 . | 02/06/2023 . | | 6,258,912 | 4635.54590000 | | (197 , 490) | | (118,924) | | | 0 | 0 | | | | | 0014 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 146429 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 L | LIABILITY HEDGE | Exhibit 5 | Interest | PLC 4PQUHN3JPFGFNF3BB653 . | 02/04/2022 . | 02/06/2023 . | | 5,513,944 | 4587.84028200 | | (409,587) | | (246,645) | | | 0 | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 146450 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 L | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 . | 02/04/2022 . | 02/06/2023 . | | 1,837,656 | 4594.14102400 | | (124,016) | | (74,680) | | | 0 | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 146452 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 . | 02/04/2022 | .02/06/2023 . | | 6,485,984 | | | (403,368) | | (242,900) | | | 0 | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | , | | | | | , | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 146454 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 . | 02/04/2022 | 02/06/2023 . | | 2,795,639 | 4659.39870900 | | (164,016) | | | | | 0 | 0 | | | | | 0014 |
| 3ar 300 L | | LAIIIDIL J | 111101051 | X-CHANGE FINANCIAL | | 02/00/2020 . | | 2,735,035 | 4039.39070300 | | | | (30,707) | | | 0 | 0 | | | | | 0014 |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 146456 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| | | Fulliple F | 1 | | 00/04/0000 | 00/00/0000 | | 044 001 | 4700 00000500 | | (47,000) | 10,000 | (00,000) | | | 0 | 0 | 10,000 | | | | 0014 |
| S&P 500 L | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | 02/04/2022 . | 02/06/2023 . | | <u>9</u> 44,661 | 4723.30623500 | • • • • • • • • • • • • • • • • • • • • | (47,832) | | (28,803) | | • • • • • • • • • • • • • • • • • • • • | 0 | 0 | | ••••• | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 146458 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 L | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 02/04/2022 . | 02/06/2023 . | | | 4742.20846100 | | (45,888) | | (27,633) | | | 0 | 0 | | | | | 0014 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 147098 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| | LIABILITY HEDGE | Exhibit 5 | Interest | PLC 4PQUHN3JPFGFNF3BB653 . | 02/18/2022 . | 02/17/2023 . | | 5,069,223 | 4433.23807800 | | (373,748) | | (238,213) | | | 0 | 0 | | | | | 0014 |
| 147100 Call Options - | | | | GOLDMAN SACHS | | | | | | | | | | | | | | | | | | |
| S&P 500 L | LIABILITY HEDGE | Exhibit 5 | Interest | INTERNATIONAL W22LROWP21HZNBB6K528 | 02/18/2022 | 02/17/2023 . | | 5,923,878 | 4478.90121300 | | (211,095) | | (134,544) | | | 0 | 0 | | | | | 0014 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 147114 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 L | LIABILITY HEDGE | Exhibit 5 | Interest | PLC | .02/18/2022 | 02/17/2023 . | | 1,451,125 | 4447.15446200 | | (104, 129) | | (66,368) | | | 0 | 0 | | | | | 0014 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 147130 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| | LIABILITY HEDGE | Exhibit 5 | Interest | PLC 4PQUHN3JPFGFNF3BB653 | .02/18/2022 | .02/17/2023 | | 4.777.172 | | | (320,762) | | (204,442) | | | 0 | 0 | | | | | 0014 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | , in the second s | | | | | | |
| 147132 Call Options - | | 1 | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 L | LIABILITY HEDGE | Exhibit 5 | Interest | | 02/18/2022 | 02/17/2023 . | | 2,612,631 | 4501.51533700 | | (167 , 443) | | (106,722) | | | 0 | 0 | | | | | 0014 |
| u 000L | LINGTETTT NEUGE | Exhibit J | | X-CHANGE FINANCIAL | | | | | | | | | | | | | 0 | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | 1 | 1 | | | | | | | | |
| 147147 Coll 0-4 | | | | STANLEY/CLEARED | | | | | | | | | 1 | 1 | | | | | | | | |
| 147147 Call Options - S&P 500L | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 . | 00/10/0000 | 02/17/2023 . | | 1,374,330 | 4581.09965800 | | (71,835) | | (45,785) | | | _ | | | | | | 0014 |
| S&P 500 L | LIABILIIY MEDGE | Exhibit 5 | Interest | | | 02/1//2023 . | | 1,374,330 | 4581.09965800 | | (71,835). | | (45,785) | | | 0 | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 147149 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 02/18/2022 . | 02/17/2023 . | | 1,380,592 | 4601.97423400 | | | | (43,747) | | | 0 | 0 | | | | | 0014 |
| 147837 Call Options - | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 L | LIABILITY HEDGE | Exhibit 5 | Interest | BARCLAYS BANK PLC . G5GSEF7VJP5170UK5573 . | 03/04/2022 . | 03/03/2023 . | | 1,918,020 | 4521.07182800 | | (126 , 111) | | (85,229) | | | 0 | 0 | | | | | 0014 |
| | | 1 | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | 1 | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 147850 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | 1 | 1 | | | | | | | | |
| | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | 03/04/2022 | 03/03/2023 . | L | 4,458,736 | 4458.73610000 | | (323,110) | | (218,366) | | | 0 | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | 1 | | | | | | | | , | | | | | , | | | | |
| | | | | ACCESS / MORGAN | 1 | | | | | | | | 1 | 1 | | | | | | | | |
| 147855 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | 1 | 1 | | | | | | | | |
| | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | 03/04/2022 | .03/03/2023 | | 3.138.690 | 4483.84354600 | | (216,475) | | (146,299) | | | ٥ | n | | | | | 0014 |
| 147868 Call Options - | | | | WELLS FARGO BANK, | | | | | | | | | | | | | | | | | | |
| | LIABILITY HEDGE | Exhibit 5 | Interest | N.A KB1H1DSPRFMYMCUFXT09 | 03/04/2022 | 03/03/2023 . | | 6, 162, 478 | | | (256,546) | | (173,380) | | | 0 | 0 | | | | | 0014 |
| Jar JUU L | LINDILIII NEUGE | LAIIDIL J | milerest | ND IN IDOFNENT MOURATUS | | 03/03/2023 . | | 0, 102,478 | | · | | | (1/0,380) | | | 0 | U | os, 100 | ····· | | | VV 14 |

| | | | | - | Showing a | | s, Caps, Floors | , conars | , Owaps a | | us Open a | | | | 7 | | | | | | | |
|----------------------------------|-----------------|-------------|-------------|------------------------------------------|--------------|--------------|-----------------|-------------|---------------|--------------|--------------|------------|---------------|------|-----------------------------------------|------------|-----------|-----------|-------------|-----------|--------|---------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | | | | | | | | | | Cumulative | | | | | | | | | | | | |
| | | | | | | | | | | Prior | Current | | | | | | | | | | | |
| | Description | | | | | | | | | Year(s) | Year Initial | | | | | | | | | | | |
| | of Item(s) | | | | | | | | Strike | Initial Cost | Cost of | | | | | | | | | | Credit | Hedge |
| | | | | | | | | | | | | | | | | | Tatal | Current | | | | |
| | Hedged, | | - () | | | | | | Price, | of Un- | Un- | | – / | | | | Total | Current | Adjustment | | | Effectiveness |
| | Used for | | Type(s) | | | Date of | | | Rate or | discounted | discounted | . . | Book/ | | | Unrealized | Foreign | Year's | to Carrying | | of | at Inception |
| | Income | Schedule/ | of | | | Maturity | Number | | Index | Premium | Premium | Current | Adjusted | | | Valuation | Exchange | (Amorti- | Value of | | Refer- | and at |
| | Generation | Exhibit | Risk(s) | Exchange, Counterparty | Trade | or | | | Received | (Received) | (Received) | Year | Carrying | | | Increase/ | Change in | zation)/ | Hedged | Potential | ence | Quarter-end |
| Description | or Replicated | Identifier | (a) | or Central Clearinghouse | Date | Expiration | Contracts Am | nount | (Paid) | Paid | Paid | Income | Value | Code | Fair Value | (Decrease) | B./A.C.V. | Accretion | Item | Exposure | Entity | (b) |
| 147909 Call Options - | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | CITIBANK N.A E570DZWZ7FF32TWEFA76 | 03/04/2022 | 03/03/2023 . | t | 1,593,5634 | 4422.80647900 | | (121,920) | | (82, 397) | | | 0 | 0 | | | | | 0014 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 147911 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | PLC 4PQUHN3JPFGFNF3BB653 | 03/04/2022 | 03/03/2023 . | | 4,857,3184 | 4413.28296500 | | (377,750) | | (255, 293) | | | 0 | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 148470 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | . Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 03/18/2022 | 03/20/2023 . | | 5,005,1664 | 4550.15084000 | | (369,534) | 104,718 | | | | 0 | 0 | 104,718 | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 148476 Call Options - | | _ | | STANLEY/CLEARED | | | | | | | | | 1 | | | 1 | | | 1 | | | I |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 03/18/2022 | 03/20/2023 . | | 2,774,8114 | 4624.68494400 | | (176,148) | | (126 , 231) | | | 0 | 0 | | | | | 0014 |
| 148486 Call Options - | | | | | | | | | | | | | | | | | - | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | BARCLAYS BANK PLC . G5GSEF7VJP5170UK5573 | 03/18/2022 | 03/20/2023 . | μθ | 6,698,4394 | 4597.90622400 | | (245,258) | | (175,757) | | | 0 | 0 | | | | | 0014 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 148489 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | PLC | 03/18/2022 | 03/20/2023 . | +1 | 1,429,7144 | 4555.95289600 | | (98,289) | | (70,436) | | | 0 | 0 | | | | | 0014 |
| 440504 0 11 0 11 | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 148501 Call Options - | | E 1 16 14 E | | CO. INTERNATIONAL | 00 (40 (0000 | 00.000.0000 | | 4 400 005 | 1500 50700000 | | (000,000) | 00 457 | (000 705) | | | | | 00.457 | | | | 0044 |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | PLC 4PQUHN3JPFGFNF3BB653 | 03/18/2022 | 03/20/2023 . | 4 | 4,483,3854 | 4596.56728800 | | (282,862) | | (202,705) | | | 0 | 0 | | | | | 0014 |
| 148512 Call Options - S&P 500 | LIABILITY HEDGE | Fubilitie F | 1 | SOCIETE GENERAL 02RNE8IBXP4R0TD8PU41 | 00/10/0000 | 00/00/0000 | | 1 004 000 | 4004 75500000 | | (100, 001) | 00.051 | (70, 070) | | | | 0 | 20.051 | | | | 0014 |
| 149336 Call Options - | LIABILITY HEDGE | Exhibit 5 | Interest | . SOCIETE GENERAL 02RNE81BXP4R0TD8PU41 | 03/18/2022 | 03/20/2023 . | ······ | 1,984,2824 | 4694.75592800 | | (109,221) | | (78,270) | | ••••• | 0 | 0 | | ••••• | ••••• | | 0014 |
| S&P 500 | LIABILITY HEDGE | Evhibit E | Interest | CITIBANK N.A E570DZWZ7FF32TWEFA76 | 04/06/2022 | | | 8,928,4474 | 4612.89581000 | | (632,674) | | (485, 339) | | | | 0 | | | | | 0014 |
| 149355 Call Options - | LIADILIII NEUGE | Exhibit 5 | Interest | ROYAL BANK OF | 04/00/2022 | 04/00/2023 . | ······ | 0,920,4474 | +012.09001000 | | (032,074) | | (400, 339) | | | | 0 | | | | | 0014 |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | CANADA ES71P3U3RH1GC71XBU11 | 04/06/2022 | 04/06/2023 . | | 1,155,8014 | 4711.48111000 | | (67,387) | | (51,694) | | | 0 | 0 | | | | | 0014 |
| 3αΡ 300 | LIADILIII NEUGE | EXILIDIT 5 | interest | X-CHANGE FINANCIAL | 04/00/2022 | 04/00/2023 . | | 1, 100,0014 | +/11.40111000 | | (07,307) | | (31,094) | | • • • • • • • • • • • • • • • • • • • • | 0 | 0 | | | | | 0014 |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 149358 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | 04/06/2022 | 04/06/2023 . | e e | 6,851,4544 | 4567.63619500 | | (515,220) | | (395,237) | | | 0 | 0 | | | | | 0014 |
| 149359 Call Options - | | | milerest | ROYAL BANK OF | 04/00/2022 | 04/00/2023 . | | 0,031,4344 | +507.03013500 | | (010,220) | | (000,207) | | | | 0 | | | | | 0014 |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | CANADA ES71P3U3RHIGC71XBU11 | 04/06/2022 | | | 1,429,9944 | 4726.26890500 | | (80,672) | | (61,885) | | | 0 | 0 | | | | | 0014 |
| oui 500 | | | | X-CHANGE FINANCIAL | 04/00/2022 | | | 1,420,004 | 4720.20030300 | | (00,072) | | (01,000) | | | | | | | | | 0014 |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 149362 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | | 04/06/2022 | 04/06/2023 | | 1.854.479 4 | 4636.19779000 | | (121,584) | 28.314 | (93, 270) | | | 0 | 0 | | | | | 0014 |
| 149393 Call Options - | | | | ROYAL BANK OF | | | | ., | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | CANADA ES71P3U3RH1GC71XBU11 | 04/06/2022 | 04/06/2023 . | | 7,920,0054 | 4608.41466000 | | (279,557) | | (214, 455) | | | 0 | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | , | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 149987 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 04/20/2022 | 04/20/2023 . | 5 | 5,909,1734 | 4545.51738500 | | (442,338) | | (356,294) | | | 0 | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | 1 | | ACCESS / MORGAN | | | | | | | | | 1 | | | | | | 1 | | | |
| 149990 Call Options - | | 1 | 1 | STANLEY/CLEARED | | | | | | | | | 1 | | | 1 | | | 1 | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 04/20/2022 | 04/20/2023 . | t | 1,821,5964 | 4553.99034000 | | (134, 104) | | | | | 0 | 0 | | | | | 0014 |
| | | 1 | | X-CHANGE FINANCIAL | | | | | | | | | 1 | | 1 | | | | 1 | | | |
| 1 | | 1 | 1 | ACCESS / MORGAN | | | | | | | | | 1 | | | 1 | | | 1 | | | |
| 149992 Call Options - | 1 | 1 | L. | STANLEY/CLEARED | 1 | 1 | | | | | | | | | 1 | | | | 1 | | | I I |
| S&P 500 | LIABILITY HEDGE | . Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 04/20/2022 | 04/20/2023 . | | 5,986,2764 | 4604.82807000 | | (397,813) | | (320,430) | | | 0 | 0 | | | | | 0014 |
| 1 | | 1 | 1 | X-CHANGE FINANCIAL | | | | | | | | | 1 | | | 1 | | | 1 | | | |
| l | | 1 | | ACCESS / MORGAN | | | | | | | | | 1 | | | | | | 1 | | | |
| 149994 Call Options - | | 1 | L | STANLEY/CLEARED | 1 | 1 | | | | | | | 1 | | | 1 | | | 1 | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 04/20/2022 | 04/20/2023 . | ↓ t | 1,393,0884 | 4643.62528500 | | (85,314) | | (68,719) | | | 0 | 0 | | · | | | 0014 |
| 1 | | 1 | 1 | X-CHANGE FINANCIAL | | | | | | | | | 1 | | | 1 | | | 1 | | | |
| | | 1 | | ACCESS / MORGAN | | | | | | | | | 1 | | | | | | 1 | | | |
| 149996 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | 1 | | | | 1 | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 04/20/2022 | 04/20/2023 . | J1 | 1,398,1714 | 4660.57119500 | | (82,557) | | (66, 498) | | | 0 | 0 | | | | | 0014 |
| | | | | | | | | | | | | | | | | | | | | | | |

| | - | | r . | - | | | | s, Caps, Flo | | | | | | | | | | | | | | |
|----------------------------------|-----------------|-------------|------------|----------------------|----------------------------|--------------|--------------|--------------|------------|-----------------|-----------------------------------------|-----------------------------------------|---------|------------|-----------------|--------------|-----------------------------------------|-----------|-------------|-----------|---------|---------------|
| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | | | | | | | | | | | Cumulative | | | | | | | | | | | |
| | | | | | | | | | | | Prior | Current | | | | | | | | | | |
| | Description | | | | | | | | | | Year(s) | Year Initial | | | | | | | | | | |
| | | | | | | | | | | 01.11 | | | | | | | | | | | o | |
| | of Item(s) | | | | | | | | | Strike | Initial Cost | Cost of | | | | | | | | | Credit | Hedge |
| | Hedged, | | | | | | | | | Price, | of Un- | Un- | | | | | Total | Current | Adjustment | | Quality | Effectiveness |
| | Used for | | Type(s) | | | | Date of | | | Rate or | discounted | discounted | | Book/ | | Unrealized | Foreign | Year's | to Carrying | | of | at Inception |
| | Income | Schedule/ | of | | | | Maturity | Number | | Index | Premium | Premium | Current | Adjusted | | Valuation | Exchange | (Amorti- | Value of | | Refer- | and at |
| | | | | Eucheman | Countormont | Trada | | | Mational | | | | Year | | | | | (| | Detential | | |
| | Generation | Exhibit | Risk(s) | | , Counterparty | Trade | or | | Notional | Received | (Received) | (Received) | | Carrying | | Increase/ | Change in | zation)/ | Hedged | Potential | | Quarter-end |
| Description | or Replicated | Identifier | (a) | | Clearinghouse | Date | Expiration | Contracts | Amount | (Paid) | Paid | Paid | Income | Value | Code Fair Value | e (Decrease) | B./A.C.V. | Accretion | Item | Exposure | Entity | (b) |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 149998 Call Options - | - | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CBO | 9R7GPTS07KV3UQJZQ078 | 04/20/2022 | .04/20/2023 | | 1,406,332 | 4687.77384000 | | (78, 183) | | (62,975) | | 0 | 0 | | | | | 0014 |
| 150020 Call Options - | | | | | | | | | | | | | | | | | • • • • | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | DADOLAVO DANK DLO | G5GSEF7VJP5170UK5573 | 04/20/2022 | 04/20/2023 . | | 7,079,863 | 4590.55783000 | | (496,773) | | (400, 141) | | 0 | 0 | | | | | 0014 |
| Sar 500 | | LAIIIDIL J | interest | MORGAN STANLEY & | . 0505LI / VGF 517 00K5575 | 04/20/2022 . | 04/20/2023 . | | | 4330.33703000 | • • • • • • • • • • • • • • • • • • • • | | | | | | | | | | | 0014 |
| 450000 0 11 0 1 | | | | | | | | | | | | | | | | | | | | | | |
| 150393 Call Options - | - | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | . Exhibit 5 | . Interest | PLC | . 4PQUHN3JPFGFNF3BB653 | 05/06/2022 . | 05/05/2023 . | | 5,605,090 | 4203.33279600 | | (471,263) | 71,207 | (400,055) | | | 0 | 71,207 | | | | 0014 |
| 150402 Call Options - | - | | 1 | | | | 1 | | | | | | | 1 | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | CITIBANK N.A | . E570DZWZ7FF32TWEFA76 | 05/06/2022 . | 05/05/2023 . | | 1,048,205 | | | (77,376) | | (65,685) | | 0 | 0 | | | | | 0014 |
| 150404 Call Options - | - | | 1 | | | | 1 | | | | | | | 1 | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | BARCLAYS BANK PLC | G5GSEF7VJP5170UK5573 | 05/06/2022 | 05/05/2023 . | | 1,255,224 | 4313.83830800 | | (90,512) | | (76,836) | | | 0 | | | | | 0014 |
| 150412 Call Options - | - | 1 | 1 | | | | | | | | | , , , , , , , , , , , , , , , , , , , , | | ,,, | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | BARCLAYS BANK PLC | G5GSEF7VJP5170UK5573 | .05/06/2022 | .05/05/2023 | | 1,265,089 | 4351.77303600 | | (84,759) | | (71,952) | | 0 | 0 | | | | | 0014 |
| 00. 000 | | | | X-CHANGE FINANCIAL | | | | | ,200,000 | | | | | | | | | | | | | |
| | | | 1 | ACCESS / MORGAN | | | 1 | | | | | | | 1 | | | | | | | | |
| 150105 0 11 0 1 | | | | | | | | | | | | | | | | | | | | | | |
| 150425 Call Options - | - | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | . Exhibit 5 | Interest | THROUGH CBO | . 9R7GPTS07KV3UQJZQ078 | 05/06/2022 . | 05/05/2023 . | | 8,065,459 | 4244.97853000 | ••••• | (560,785) | | (476,051) | | | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 150427 Call Options - | - | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CBO | . 9R7GPTS07KV3UQJZQ078 | 05/06/2022 . | 05/05/2023 . | | | 4275.49124600 | | (55,708) | | (47,291) | | | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 150430 Call Options - | _ | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | . 9R7GPTS07KV3UQJZQ078 | .05/06/2022 | .05/05/2023 | | | | | (54,248) | | | | 0 | 0 | | | | | 0014 |
| 150451 Call Options - | | | | | . 311/01/100/11/000020070 | | 00/00/2020 . | | | | | | | (+0,001) | | | | | | | | 0014 |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | | G5GSEF7VJP5170UK5573 | | | | 8,458,978 | 4246.62786600 | | (694,853) | | (589,862) | | 0 | 0 | | | | | 0014 |
| 5&P 500 | LIABILIIT HEUGE | Exhibit 5 | Interest | BAHULATS BANK PLU . | GOUSEF/VJPS1/UUKSS/3 | | 05/05/2023 . | | 8,408,978 | 4240.02/80000 | | (094,803) | | (089,802) | | | 0 | | | | | 0014 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 151045 Call Options - | - | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | . Exhibit 5 | Interest | PLC | . 4PQUHN3JPFGFNF3BB653 | 05/20/2022 . | 05/19/2023 . | | 2, 101,602 | 4063.65657600 | | (160 , 663) | | (142,567) | | 0 | 0 | | | | | 0014 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | |
| 151049 Call Options - | - | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | PLC | . 4PQUHN3JPFGFNF3BB653 | 05/20/2022 . | 05/19/2023 . | | 2,318,905 | 4110.08276000 | | (162,287) | | (144,007) | | 0 | 0 | | | | | 0014 |
| | | | 1 | X-CHANGE FINANCIAL | | | 1 | | | | | | | | | | | | | | | |
| | | | 1 | ACCESS / MORGAN | | | 1 | | | | | | | 1 | | | | | | | | |
| 151072 Call Options - | - | | 1 | STANLEY/CLEARED | | | 1 | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | . 9R7GPTS07KV3UQJZQ078 | 05/20/2022 | .05/19/2023 | | 4 375 180 | 3977.43652000 | | (393,745) | | (349,395) | | 0 | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | [| | | [| | | | | | [· · · · · · · · · · · · · · · · · · · | | | | | |
| | | | 1 | ACCESS / MORGAN | | | 1 | | | | | | | 1 | | | | | | | | |
| 151074 0-11 0-4 | | | 1 | | | | 1 | | | | | | | 1 | | | | | | | | |
| 151074 Call Options - S&P 500 | | Fubility F | Intern A | STANLEY/CLEARED | | 05 (00 (0000 | 05 /10 /0000 | | 0 000 004 | 4040 00404400 | | (500.045) | | (505 407) | | _ | | | | | | 0014 |
| | LIABILITY HEDGE | . Exhibit 5 | . Interest | THROUGH CBO | . 9R7GPTS07KV3UQJZQ078 | 05/20/2022 . | 05/19/2023 . | | 6,833,934 | 4019.96134400 | | (569,245) | 64,118 | (505, 127) | | | | 64,118 | | | | 0014 |
| 151097 Call Options - | - | | 1 | | | 05 (00 (05 | 05 (10 (00 | | | 1010 57100555 | | (000 000) | | (007.000) | | 1 - | | | | | | |
| S&P 500 | LIABILITY HEDGE | . Exhibit 5 | Interest | BARCLAYS BANK PLC . | G5GSEF7VJP5170UK5573 | 05/20/2022 . | 05/19/2023 . | ····· . | 6,847,572 | 4019.57120800 | | (302,003) | | (267,986) | | | 0 | | | | | 0014 |
| 151613 Call Options - | - | | 1 | | | | 1 | | | | | | | 1 | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | . Exhibit 5 | Interest | CITIBANK N.A | . E570DZWZ7FF32TWEFA76 | 06/06/2022 . | 06/06/2023 . | <u>↓</u> | 5,639,213 | 4201.79788500 | | (478,358) | | (446,904) | | 0 | 0 | | | | | 0014 |
| | | | 1 | X-CHANGE FINANCIAL | | | 1 | | | | | | | | | | | | | | | |
| | | | 1 | ACCESS / MORGAN | | | 1 | | | | | | | | | | | | | | | |
| 151652 Call Options - | - | | 1 | STANLEY/CLEARED | | | 1 | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | | . 9R7GPTS07KV3UQJZQ078 | | | _ | 1,286,010 | 4286 . 69934300 | | (91,818) | 6,037 | | | | 0 | 6,037 | | | | 0014 |
| 151661 Call Options - | - | | 1 | ROYAL BANK OF | | | | | ,, | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | CANADA | ES71P3U3RHIGC71XBU11 | 06/06/2022 | 06/06/2023 . | | 8,259,384 | | | (655,074) | | | | 0 | 0 | | | | | 0014 |
| 151673 Call Options - | - | | | | | | | [[| | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | BARCIAVE DANK DIO | . G5GSEF7VJP5170UK5573 | | 06/06/2023 . | | 3,355,815 | 4339.86579000 | | (219,277) | | (204,859) | | 0 | | | | | | 0014 |
| 151679 Call Options - | | | | DANULATO DAINA PLC . | . uuuuer/vuroi/uukoo/a | | 00/00/2023 . | h h | | +009.000/9000 | | | | (204,809) | | | }·····• | | | | | 0014 |
| | | Fubilitie F | 1 | OLT IDANK NUA | | 00 /00 /0000 | 00,000,00000 | | 000 704 | 4000 77000 400 | | (01.000) | 4 040 | (57.004) | | | | 4 040 | | | | 0014 |
| S&P 500 | LIABILITY HEDGE | . Exhibit 5 | Interest | CITIBANK N.A | . E570DZWZ7FF32TWEFA76 | 06/06/2022 . | 06/06/2023 . | | | 4363.77008400 | | (61,038) | 4,013 | (57,024) | | | ······0 | 4,013 | | | | 0014 |
| 151703 Call Options - | - | | 1 | | | | | | | | | | | | | | . | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | BARCLAYS BANK PLC . | G5GSEF7VJP5170UK5573 | 06/06/2022 . | 06/06/2023 . | ↓ ↓ | 9,212,183 | 4243.83647100 | | (381,404) | | (356,325) | | 0 | 0 | | | | | 0014 |
| | | | | | | | | | | | | | | | | | | | | | | _ |

| | - | | 1 . | | | | | | | | | | | | 1 | | | | | | | | |
|-----------------------|------------------|--------------|----------|-----------------------|--------------------------------|--------------|---------------|------------|-------------|---------------|--------------|--------------|---------|------------|------|------------|------------|-------------|-------------|-----------------------------------------|-----------|--------|---------------|
| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | | | | | | | | | | | Cumulative | | | | | | | | | | | | |
| | | | | | | | | | | | | Current | | | | | | | | | | | |
| | | | | | | | | | | | Prior | Current | | | | | | | | | | | |
| | Description | | | | | | | | | | Year(s) | Year Initial | | | | | | | | | | | |
| | of Item(s) | | | | | | | | | Strike | Initial Cost | Cost of | | | | | | | | | | Credit | Hedge |
| | | | | | | | | | | | | | | | | | | Tatal | Current | | | | |
| | Hedged, | | | | | | | | | Price, | of Un- | Un- | | | | | | Total | Current | Adjustment | | | Effectiveness |
| | Used for | | Type(s) | | | | Date of | | | Rate or | discounted | discounted | | Book/ | | | Unrealized | Foreign | Year's | to Carrying | | of | at Inception |
| | Income | Schedule/ | of | | | | Maturity | Number | | Index | Premium | Premium | Current | Adjusted | | | Valuation | Exchange | (Amorti- | Value of | | Refer- | and at |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | Generation | Exhibit | Risk(s) | Exchange | , Counterparty | Trade | or | of | Notional | Received | (Received) | (Received) | Year | Carrying | | | Increase/ | Change in | zation)/ | Hedged | Potential | ence | Quarter-end |
| Description | or Replicated | Identifier | (a) | or Central | Clearinghouse | Date | Expiration | Contracts | Amount | (Paid) | Paid | Paid | Income | Value | Code | Fair Value | (Decrease) | B./A.C.V. | Accretion | Item | Exposure | Entity | (b) |
| | or replicated | laonanoi | (u) | | Cleaninghease | Dute | Expiration | 0011110010 | 7 unoune | (i aid) | i ulu | 1 414 | moonie | Value | 0000 | Tun Vulue | (Decrease) | D.// (.O.V. | 71001011011 | nom | Expodulo | Energy | (6) |
| 152996 Call Options - | | | | ROYAL BANK OF | | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | . Exhibit 5 | Interest | CANADA | . ES71P3U3RHIGC71XBU11 . | 06/17/2022 | 06/20/2023 . | | | 3785.08520000 | | (366, 126) | | (353, 192) | | | 0 | 0 | | | | | 0014 |
| 153003 Call Options - | | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | CITIBANK N.A. | E570DZWZ7FF32TWEFA76 . | 06/17/2022 | 06/20/2023 . | | 3,891,826 | 3752.74660800 | | (363,870) | 12.854 | (351,016) | | | 0 | 0 | | | | | 0014 |
| | | | milerest | | . LJ/UD202/11/J21011/170 . | 00/ 11/2022 | | | | | ••••• | (303,070) | IZ,0J4 | | | | | 0 | 12,004 | • • • • • • • • • • • • • • • • • • • • | | | 0014 |
| 153007 Call Options - | | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | . Exhibit 5 | Interest | CITIBANK N.A. | . E570DZWZ7FF32TWEFA76 . | 06/17/2022 | 06/20/2023 . | | 6,954,472 | 3802.72443200 | | (592,610) | | (571,675) | | | 0 | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | | |
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| 153024 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CBO | . 9R7GPTS07KV3UQJZQ078 . | 06/17/2022 | 06/20/2023 | | 4,495,799 | 3746.49938000 | | (415,980) | 14,695 | (401,285) | | | 0 | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | | |
| | | 1 | 1 | | | | | | | | 1 | | | 1 | 1 | | | | 1 | | | | |
| | | | 1 | ACCESS / MORGAN | | | | | | | | | | 1 | | | | | | | | | |
| 153027 Call Options - | | | 1 | STANLEY/CLEARED | | | | | | | | | | 1 | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CBO | . 9R7GPTS07KV3UQJZQ078 . | 06/17/2022 | .06/20/2023 | L | 1,528,439 | 3821.09863200 | L | (122,916) | 4,342 | (118,574) | | | | | 4,342 | L | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | | |
| 153031 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | | |
| S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | THROUGH CB0 | . 9R7GPTS07KV3UQJZQ078 . | 06/17/2022 | 06/20/2023 | | 1,544,609 | 3861.52187200 | | (114,744) | 4,053 | | | | 0 | 0 | 4,053 | | | | 0014 |
| our 000 | | Exilibit 0 | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | | 0014 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | | |
| 141117 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | . 9R7GPTS07KV3UQJZQ078 . | 07/06/2021 | 07/06/2022 . | | 1,366,261 | 4554.2000000 | | | | | | | 0 | 0 | | | | | 0014 |
| | Liability neuge | LAIIIDIL J | milerest | | . 30/01/130/0300020078 . | | 01/00/2022 . | | | 4004.20000000 | (34,207) | | | (1,040) | | | 0 | 0 | | | | | 0014 |
| 141347 Call Options - | | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | BARCLAYS BANK PLC . | G5GSEF7VJP5170UK5573 | 07/06/2021 | 07/06/2022 . | | 1,680,440 | 4510.77000000 | (77,881) | | | (1,494) | | | 0 | 0 | | | | | 0014 |
| 141348 Call Options - | | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | PADOLAVO DANK DLO | G5GSEF7VJP5170UK5573 . | 07/06/2021 | 07/06/2022 . | | 1,386,469 | 4525.97000000 | | | | | | | 0 | 0 | | | | | 0014 |
| 3αF 300 | Liability neuge | EXILIDIT J | milerest | | . 0303EF/VJF31/00K35/3 . | | 01/00/2022 . | | | 4020.97000000 | (01,712) | | | (1, 104) | | | 0 | 0 | | | | | 0014 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | | |
| 141737 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | PLC | 4PQUHN3JPFGFNF3BB653 | .07/06/2021 | .07/06/2022 . | | | 4430.41000000 | (114, 181) | | | (2, 190) | | | 0 | 0 | | | | | 0014 |
| 00. 000 | Liubiiit) iiougo | | | MORGAN STANLEY & | | | | | | | | | | | | | • | • | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 141738 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | PLC | . 4PQUHN3JPFGFNF3BB653 . | 07/06/2021 | 07/06/2022 . | | 1, 153, 575 | 4434.75000000 | (60,188) | | | (1, 154) |) | | 0 | 0 | | | | | 0014 |
| | , , | | | MORGAN STANLEY & | | | | | | | | | | | | | | | - | | | | |
| 141740 0011 0-41 | | | 1 | CO. INTERNATIONAL | | | | | | | | | | 1 | | | | | | | | | |
| 141740 Call Options - | | | L | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | PLC | . 4PQUHN3JPFGFNF3BB653 . | 07/06/2021 | 07/06/2022 . | | 9,035,071 | 4480.36000000 | (416,684) | | | |) | | 0 | 0 | | | | | 0014 |
| 141827 Call Options - | | 1 | 1 | WELLS FARGO BANK, | | | | | | | 1 | | | 1 | 1 | | | | 1 | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | N A | KB1H1DSPRFMYMCUFXT09 | .07/06/2021 | 07/06/2022 . | | 1,466,035 | 4497.74000000 | | | | (1,233) | | | 0 | 0 | | | | | 0014 |
| | L.abiiity Houge | | | | | | | | | | | | | | | | ······ | | | | | | •••• |
| 142099 Call Options - | | I | L | | | | | | | | | | | 1 | 1 | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | BARCLAYS BANK PLC . | G5GSEF7VJP5170UK5573 . | 07/06/2021 | 07/06/2022 . | | 7,829,466 | 4493.39000000 | (164, 763) | | | |) | | 0 | 0 | | | | | 0014 |
| 141532 Call Options - | | | 1 | | | | | | | | | | | 1 | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | BARCLAYS BANK PLC | G5GSEF7VJP5170UK5573 | .07/20/2021 | 07/20/2022 . | | 1,431,536 | 4565.15000000 | (53,357) | | | (3,070) | | | ٥ | 0 | | | | | 0014 |
| 141533 Call Options - | ,, | | | | | | | | | | | | | | | | • | | | | | | |
| | | E 1.11.1.1.E | | | | 07 (00 (000) | 07 (00 (0000 | | 4 004 0 | 4500 57000000 | 100 110 | | | | J | | - | | 10 10- | | | | 0044 |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | BAHULAYS BANK PLC . | G5GSEF7VJP5170UK5573 . | 07/20/2021 | 07/20/2022 . | | | 4530.57000000 | | | | (4,725) | | | 0 | 0 | | | | | 0014 |
| 141535 Call Options - | | | 1 | | | | | | | | | | | 1 | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | BARCLAYS BANK PLC | G5GSEF7VJP5170UK5573 | 07/20/2021 | 07/20/2022 . | | 1, 170, 912 | 4515.44000000 | (50,289) | | | (2,893) |) | | 0 | 0 | | | | | 0014 |
| 141536 Call Options - | | | | | | | | | | | | | | | | | ····· | | | | | | |
| | | | I | D 1 D 01 1 1 0 | 05005571/ ID | 07.000 | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | BAHCLAYS BANK PLC . | G5GSEF7VJP5170UK5573 . | 07/20/2021 | 07/20/2022 . | | 1, 143, 191 | 4504.63000000 | (50,588) | | | (2,911) |) | | 0 | 0 | | | | | 0014 |
| 141537 Call Options - | | 1 | 1 | 1 | | | | | | | 1 | | | 1 | 1 | | | | 1 | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | BARCIAYS BANK PLC | G5GSEF7VJP5170UK5573 | 07/20/2021 | 07/20/2022 . | | 1,474,608 | 4487.34000000 | (68,488) | | | (3,940) | | | 0 | 0 | | | | | 0014 |
| | Liubillity nougo | | | DINICENTO DAINY FEU . | | | | | | | | | | | | | | 0 | | | | | |
| 141538 Call Options - | | I | 1. | L | | | | | | | 1 . | | | 1 | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | BARCLAYS BANK PLC . | G5GSEF7VJP5170UK5573 . | 07/20/2021 | 07/20/2022 . | | 2,011,959 | 4411.68000000 | (113, 896) | | | | | | 0 | 0 | | | | | 0014 |
| 141539 Call Options - | - | 1 | 1 | 1 | | | | | | | | | | 1 | 1 | | | | 1 | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | BARCIAYS BANK PLC | G5GSEF7VJP5170UK5573 | .07/20/2021 | 07/20/2022 . | | 9,492,400 | | (477,842) | | 235.648 | (27,492) | | | 0 | n . | | | | | 0014 |
| | Liability neuge | EANDITU J | | BANDER TO DANK FEG . | | | | | | | | | 200,040 | | | | | 0 | 200,040 | | | | |
| 141540 Call Options - | | I | 1. | L | | | | | | | | | | 1 | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | BARCLAYS BANK PLC . | G5GSEF7VJP5170UK5573 . | 07/20/2021 | 07/20/2022 . | | 1,755,675 | 4474.37000000 | (84,425) | | | |) | | 0 | 0 | | | | | 0014 |
| 142101 Call Options - | | | 1 | 1 | | | | | | | | | | 1 | | | | | 1 | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | SOCIETE GENERAL | 02RNE8IBXP4R0TD8PU41 | .07/20/2021 | 07/20/2022 | | 7.276.042 | 4474.37000000 | (151,145) | | 74.537 | (8,696) | 1 1 | | • | n . | 74.537 | | | | 0014 |
| Jur JUU | LIANITILY HEUGE | LAIIDIL J | milerest | JUUVIEIE UEINENAL | . UZNINEO I DAF4NU I DOPU4 I . | | | | | | (101,140) | | | | | | U | U | /4,03/ | | | | VV 14 |
| | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | <u> </u> | | | | | and Forward | | | | | | | | | | | |
|-----------------------|------------------|-------------|------------|--------------------------------------------|---------------|---------------|-----------|------------|---------------|--------------|--------------|---------|------------|-----------------|------------|-----------|-----------|-------------|-----------|-----------|---------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | | | | | | | | | | Cumulative | | | | | | | | | | | |
| | | | | | | | | | | Prior | Current | | | | | | | | | | |
| | Description | | | | | | | | | | Year Initial | | | | | | | | | | |
| | Description | | | | | | | | a | Year(s) | | | | | | | | | | | |
| | of Item(s) | | | | | | | | Strike | Initial Cost | Cost of | | | | | | | | | Credit | Hedge |
| | Hedged, | | | | | | | | Price, | of Un- | Un- | | | | | Total | Current | Adjustment | | Quality E | Effectiveness |
| | Used for | | Type(s) | | | Date of | | | Rate or | discounted | discounted | | Book/ | | Unrealized | Foreign | Year's | to Carrying | | of | at Inception |
| | | Cabadula | of | | | | Number | | | | | Current | | | Valuation | | | | | | |
| | Income | Schedule/ | | | | Maturity | | | Index | Premium | Premium | Current | Adjusted | | | Exchange | (Amorti- | Value of | | Refer- | and at |
| | Generation | Exhibit | Risk(s) | Exchange, Counterparty | Trade | or | of | Notional | Received | (Received) | (Received) | Year | Carrying | | Increase/ | Change in | zation)/ | Hedged | Potential | ence | Quarter-end |
| Description | or Replicated | Identifier | (a) | or Central Clearinghouse | Date | Expiration | Contracts | Amount | (Paid) | Paid | Paid | Income | Value | Code Fair Value | (Decrease) | B./A.C.V. | Accretion | Item | Exposure | Entity | (b) |
| | | | | X-CHANGE FINANCIAL | | 1 | | | | 1 | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 141152 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | | _08/06/2021 | 08/05/2022 . | | 10,048,274 | 4567.4000000 | (462,440) | | | (47,006) | | 0 | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | |
| 141155 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | |
| | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | 08/06/2021 | .08/05/2022 . | | | 4580.7100000 | (40,630) | | | (4, 130) | | 0 | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 141158 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | - | - | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 . | 08/06/2021 | 08/05/2022 . | | 1,377,539 | 4591.8000000 | (59, 187). | | | | | 0 | 0 | | | | | 0014 |
| | | | 1 | X-CHANGE FINANCIAL | 1 | 1 | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | |
| 141160 Call Options - | | 1 | 1 | STANLEY/CLEARED | | 1 | 1 | | | | | | | | | | | | | | |
| | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | 08/06/2021 | 08/05/2022 | | 1,380,867 | 4602.8900000 | (57,483) | | | (5,843) | | 0 | 0 | | | | | 0014 |
| our 000 | Liubillity houge | | | X-CHANGE FINANCIAL | | | | | | (01,400). | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 141163 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 . | 08/06/2021 | 08/05/2022 . | | 1,383,529 | 4611.76000000 | (56,139) | | | (5,706) | | 0 | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | |
| 141165 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | |
| | Liability Hedge | Exhibit 5 | Interest | | 08/06/2021 | | | 1,394,842 | 4649,4700000 | (50,562). | | | (5, 140) | | 0 | 0 | | | | | 0014 |
| 3ar 300 | Liability neuge | EXILIBITE 5 | interest | X-CHANGE FINANCIAL | | | | | 4049.47000000 | (30,302). | | | (3, 140) | | | 0 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | |
| 141166 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 . | 08/06/2021 | 08/05/2022 . | | 2,344,701 | 4689.4000000 | (75, 130). | | | (7,637) | | 0 | 0 | | | | | 0014 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | |
| 141751 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | PLC 4PQUHN3JPFGFNF3BB653 . | 08/06/2021 | 08/05/2022 . | | 1,774,943 | 4525.2500000 | | | | | | 0 | 0 | | | | | 0014 |
| 142102 Call Options - | Liubillity houge | Exilibit 0 | | | | | | | | | | | | | | | | | | | |
| S&P 500 | liobility Hodgo | Exhibit 5 | Interest | BARCLAYS BANK PLC _ G5GSEF7VJP5170UK5573 _ | .08/06/2021 | .08/05/2022 . | | | 4589.58000000 | (143,000) | | 70 714 | (14 596) | | 0 | 0 | 70 714 | | | | 0014 |
| | Liability Hedge | EXHIBIT 5 | Interest | DANULATS DAWN FLC . 0303EF/VJF31/UUN33/3 . | 00/00/2021 | | | 0,029,700 | 4009.0000000 | (143,000). | | 70,714 | (14,536) | | | 0 | 70,714 | | | | JU 14 |
| 141541 Call Options - | | | | | | | | | | | | | | | | - | | | | | |
| | Liability Hedge | Exhibit 5 | Interest | BARCLAYS BANK PLC . G5GSEF7VJP5170UK5573 . | 08/20/2021 | 08/19/2022 . | | 1,450,301 | 4588.2500000 | (72,094). | | | (10, 101) | | 0 | 0 | | | | | 0014 |
| 141543 Call Options - | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | BARCLAYS BANK PLC . G5GSEF7VJP5170UK5573 . | .08/20/2021 | 08/19/2022 . | | 2,388,733 | 4650.4300000 | (100,614) | | | (14,097) | | 0 | 0 | | | | | 0014 |
| | - | 1 | 1 | MORGAN STANLEY & | | 1 | 1 | | | 1 | | | | | | | | | | | |
| 141769 Call Options - | | | 1 | CO. INTERNATIONAL | | 1 | | | | | | | | | | | | | | | |
| | Liability Hedge | Exhibit 5 | Interest | PLC | 08/20/2021 | 08/19/2022 . | 1 | 1,452,324 | 4532.72000000 | (82,783) | | | | | 0 | n | | | | | 0014 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | 0 | | | | | |
| 141770 Call Options - | | 1 | 1 | CO. INTERNATIONAL | 1 | 1 | | | | | | | | | | | | | | | |
| | 1.2462124.011.4 | FURTHER F | Intern A | | 00/00/0001 | 00/10/0000 | 1 | 0 040 505 | 4570 40000000 | (AFE FEA) | | 175 000 | (10.040) | | - | _ | 175 000 | | | | 0014 |
| S&P 500 | Liability Hedge | Exhibit 5 | . Interest | PLC 4PQUHN3JPFGFNF3BB653 . | 08/20/2021 | 08/19/2022 . | | 6,842,535 | 4570.4800000 | (355,552). | | | (49,816) | | 0 | 0 | | | | | 0014 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | |
| 141771 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | PLC | 08/20/2021 | 08/19/2022 . | | 1,422,012 | 4597.13000000 | (68,928) | | | (9,658) | | 0 | 0 | | | | | 0014 |
| | | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | |
| 141772 Call Options - | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | |
| | Liability Hedge | Exhibit 5 | Interest | PLC | 08/20/2021 | .08/19/2022 | | 1.905.343 | 4610,4500000 | (89, 153) | | 44.087 | (12,491) | | 0 | 0 | | | | | 0014 |
| 142104 Call Options - | Liubillity nougo | Exilibit 9 | | | | | | | | | | | (12,431) | | | 0 | | | | | |
| | | E 1.11.14 E | | | 00 (00 (000) | 00 (40 (0000 | | 0 000 000 | 4500 00000000 | (444.050) | | 00.050 | (40 704) | | _ | _ | 00.050 | | | | 0044 |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | BARCLAYS BANK PLC . G5GSEF7VJP5170UK5573 . | 08/20/2021 | 08/19/2022 . | | 6,623,966 | 4592.69000000 | (141,256). | | | (19,791) | | 0 | 0 | | | | | 0014 |
| | | 1 | 1 | X-CHANGE FINANCIAL | | 1 | 1 | | | | | | | | | | | | | | |
| | | 1 | 1 | ACCESS / MORGAN | | 1 | 1 | | | | | | | | | | | | | | |
| 141379 Call Options - | | 1 | 1 | STANLEY/CLEARED | | 1 | 1 | | | | | | | | | | | | | | |
| | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | .09/03/2021 | 09/06/2022 . | L | 1,387,842 | 4626.1400000 | | | | (13,919) | | 0 | 0 | | L | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | ,,,,, | | | | | | | | | | | | | |
| | | 1 | 1 | ACCESS / MORGAN | | 1 | 1 | | | | | | | | | | | | | | |
| 141382 Call Options - | | 1 | 1 | STANLEY/CLEARED | | 1 | 1 | | | | | | | | | | | | | | |
| | | E LUNCE E | | | 00 /00 /000 - | 00/00/0005 | | 000 / | 4000 07000000 | | | 00.055 | 10.10 | | - | | ~~~~ | | | | 0044 |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 . | 09/03/2021 | 09/06/2022 . | ····· | | 4630.67000000 | (48,982). | | | (9, 184) | | 0 | 0 | | | | | 0014 |
| | | | | | | | | | | | | | | | | | | | | | |

| - | 1 | 1 | | 1 | | | s, Caps, Fic | | | | | | | | | | | | | | | |
|-----------------------|------------------|-------------|-----------|------------------------------------------|--------------|--------------|--------------|-------------|--------------|---------------|--------------|---------|----------|---------|-----------|------------|-----------|---------------|---------------------------------------|-----------|---------|---------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | | | | | | | | | | Cumulative | | | | | | | | | | | | |
| | | | | | | | | | | | 0 | | | | | | | | | | | |
| | | | | | | | | | | Prior | Current | | | | | | | | | | | |
| | Description | | | | | | | | | Year(s) | Year Initial | | | | | | | | | | | |
| | of Item(s) | | | | | | | | Strike | Initial Cost | Cost of | | | | | | | | | | Credit | Hedge |
| | | | | | | | | | | | | | | | | | - | <u> </u> | | | | |
| | Hedged, | | | | | | | | Price, | of Un- | Un- | | | | | | Total | Current | Adjustment | | Quality | Effectiveness |
| | Used for | | Type(s) | | | Date of | | | Rate or | discounted | discounted | | Book/ | | | Unrealized | Foreign | Year's | to Carrying | | of | at Inception |
| | Income | Schedule/ | of | | | Maturity | Number | | Index | Premium | Premium | Current | Adjusted | | | Valuation | | (Amorti- | Value of | | Refer- | and at |
| | | | | | | , | | | | | | | | | | | Exchange | | | | | |
| | Generation | Exhibit | Risk(s) | Exchange, Counterparty | Trade | or | of | Notional | Received | (Received) | (Received) | Year | Carrying | | | Increase/ | Change in | zation)/ | Hedged | Potential | ence | Quarter-end |
| Description | or Replicated | Identifier | (a) | or Central Clearinghouse | Date | Expiration | Contracts | Amount | (Paid) | Paid | Paid | Income | Value | Code Fa | air Value | (Decrease) | B./A.C.V. | Accretion | Item | Exposure | Entity | (b) |
| Becchiption | o: rtopiloatou | laonanoi | (@) | | Duto | Expiration | 0011110010 | / uno uno | (1 4.4) | | | income | , and o | 0000 10 | in raide | (200.0000) | 5 | 7 1001 011011 | | Expoone | Linery | (~) |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 141383 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | 09/03/2021 | .09/06/2022 | | 7,000,436 | 4666.9600000 | 0 | | | | | | 0 | 0 | | | | | 0014 |
| 00. 000 | Liubility nougo | Ex | | X-CHANGE FINANCIAL | | | | | | | | | | | | • | ••••• | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 141386 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 09/03/2021 | 09/06/2022 | | 2 815 141 | 4691.900000 | (126,894) | | 62.068 | (23,793 | | | 0 | 0 | | | | | 0014 |
| oui 500 | Liability hedge | Exilibit 5 | 111101031 | | | 03/00/2022 . | | | | /0(120,004) | | | | | | | | | | | | |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 141388 Call Options - | | 1 | | STANLEY/CLEARED | | 1 | | | | | | | | 1 | | | | | | | | |
| S&P 500 | Liability Hedge | Evhibit 5 | Interest | THROUGH CB0 | 00/02/2021 | 00/06/2022 | 1 | 0/1 100 | 4705.5100000 | 0 | | | | | | 0 | 0 | | | | | 0014 |
| 3αF 300 | LIADITILY Heuge | EXILIDIT D | interest | | | 09/00/2022 . | •••••• | | 4/05.5100000 | /0(40,074) | ••••• | | | / | | 0 | 0 | | ••••••• | | | 0014 |
| 1 | | 1 | 1 | X-CHANGE FINANCIAL | | 1 | 1 | | | | | | | 1 | | 1 | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 141390 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| | | E | | | 00 (00 (000) | | | | 1711 5000000 | (50.007) | | | (11.000 | | | | | | | | | 0011 |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | | 09/06/2022 . | | 1,414,3/4 | 4714.5800000 | 0 | | | (11,233 |) | | 0 | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 141000 0-11 0-11-0-1 | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| 141392 Call Options - | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 09/03/2021 | 09/06/2022 . | | 3,331,954 | 4759.9300000 | 0 | | 60,672 | |) | | 0 | 0 | 60,672 | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| 141393 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | 09/03/2021 | 09/06/2022 . | | | 4793.9500000 | 0 | | 15,791 | |) | | 0 | 0 | | | | | 0014 |
| 142105 Call Options - | | | | | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | BARCLAYS BANK PLC . G5GSEF7VJP5170UK5573 | 09/03/2021 | .09/06/2022 | | 6,356,487 | 4691.900000 | 0 | | | (23, 146 | | | 0 | 0 | | | | | 0014 |
| 3αF 300 | LIADITILY Heuge | EXILIDITE D | Interest | | | 09/00/2022 . | | 0, 330, 407 | 4091.9000000 | /0(123, 443) | | | (23, 140 | | | 0 | 0 | | | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 141575 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | Linkilia, Iladaa | Fublic A.F. | Internet | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 00/00/0001 | 09/20/2022 . | | 0 000 000 | 4447 0004050 | (171.000) | | 04 707 | (00.007 | | | | | | , | | | 0014 |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | | | 09/20/2022 . | ••••• | 2,668,238 | 4447.0634650 | | ••••• | | (39,087 | | | 0 | 0 | | ••••• | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | |
| | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| 141577 Call Options - | | 1 | | STANLEY/CLEARED | | 1 | | | | | | | | 1 | | | | | | | | |
| S&P 500 | Lishility Hadra | Evhibit E | Interest | | 00/00/0001 | 09/20/2022 . | 1 | 7 174 507 | 4484.1041700 | (424,480) | | 000 000 | (06 500 | | | | | 200 202 | | | | 0014 |
| 3αF 3UU | Liability Hedge | EXTIDIC 5 | miterest | | | | <u> </u> | 7, 174, 567 | 4484.1041700 | // | | | | / | | 0 | 0 | | | | | 0014 |
| 1 | | 1 | | X-CHANGE FINANCIAL | | 1 | | | | | | | | 1 | | | | | | | | |
| | | 1 | | ACCESS / MORGAN | | 1 | | | | | | | | 1 | | | | | | | | |
| 141580 Call Options - | | 1 | 1 | STANLEY/CLEARED | | 1 | 1 | | | | | | | 1 | | 1 | | | | | | |
| | Linhility Under | Evhibit 5 | Intercet | | 00/00/0004 | 00/00/0000 | | | 4E0E 0000000 | 000 540 | | 00.000 | 140.054 | | | · · | | | | | | 0014 |
| S&P 500 | Liability Hedge | Exhibit 5 | milerest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | | 09/20/2022 . | ⊦ | 3,004,714 | 4505.8928200 | 00(202,512) | | | (46,051 | / | | 0 | 0 | | · | | | 0014 |
| | | 1 | | X-CHANGE FINANCIAL | | 1 | | | | | | | | 1 | | | | | | | | |
| 1 | | 1 | 1 | ACCESS / MORGAN | | 1 | | | | | | | | 1 | | 1 | | | | | | |
| 141582 Call Options - | | 1 | | STANLEY/CLEARED | | 1 | | | | | | | | 1 | | | | | | | | |
| | Linkiliku Hadaa | Fublic A | 1 | | 00 /00 /0004 | 00/00/0000 | 1 | 1 000 450 | 4501 1440750 | (07 070) | | 40,000 | (00.057 | J | | | | 40.000 | | | | 0014 |
| S&P 500 | Liability Hedge | Exhibit 5 | interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | | 09/20/2022 . | ⊦ | 1,808,458 | 4521.1448750 | 00 | | | (22,257 | ″····· | | 0 | 0 | | · · · · · · · · · · · · · · · · · · · | | | 0014 |
| | | 1 | | X-CHANGE FINANCIAL | | 1 | | | | | | | | 1 | | | | | | | | |
| | | 1 | 1 | ACCESS / MORGAN | | 1 | 1 | | | | | | | 1 | | 1 | | | | | | |
| 141584 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| S&P 500 | Lishility Hadra | Evhibit E | Interest | | 00/00/0001 | .09/20/2022 | 1 | 1 250 610 | | 0 (71,628) | | 25 000 | (16,000 | | | | | | | | | 0014 |
| Jar 300 | Liability Hedge | EXILIDIT D | muerest | | | | ⊦ | 1,359,612 | 4002.0392000 | // | | | (16,288 | ′ | | ······ | ······· | | · | | | vv 14 |
| | | 1 | 1 | X-CHANGE FINANCIAL | | 1 | | | | | | | | 1 | | 1 | | | | | | |
| | | 1 | | ACCESS / MORGAN | | 1 | | | | | | | | 1 | | | | | | | | |
| 141585 Call Options - | | 1 | 1 | STANLEY/CLEARED | | 1 | 1 | | | | | | | 1 | | 1 | | | | | | |
| | Linkiliku Hadaa | Fublic A | 1 | | 00 /00 /0004 | 00/00/0000 | 1 | 1 000 100 | 4500 0044450 | (07 000) | | 00.004 | (15.054 | J | | | | 00.004 | | | | 0014 |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | 09/20/2021 | 09/20/2022 . | <u> </u> | 1,368,109 | 4560.3644450 | 00 | | | (15,254 | ∥ | | 0 | 0 | | | | | 0014 |
| 142230 Call Options - | | 1 | | WELLS FARGO BANK, | | | | | | | | | | | | | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | N.A. KB1H1DSPRFMYMCUFXT09 | 09/20/2021 | .09/20/2022 | L | 6,083,883 | 4503.7139550 | 0(179,544) | | | (40,828 |) | | | 0 | | : L | | | 0014 |
| | | | | X-CHANGE FINANCIAL | | | | | | | | | | 1 | | | | | | | | |
| | | 1 | 1 | | | 1 | 1 | | | | | | | 1 | | 1 | | | | | | |
| | | 1 | 1 | ACCESS / MORGAN | | 1 | 1 | | | | | | | 1 | | 1 | | | | | | |
| 141605 Call Options - | | 1 | 1 | STANLEY/CLEARED | | 1 | 1 | | | | | | | 1 | | 1 | | | | | | |
| S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | 10/06/2021 | .10/06/2022 | | 2 670 402 | 4450.8210000 | 0(179,946) | | | (48,807 | | | n | n | | | | | 0014 |
| oui 000 | Liustity nougo | ENHIBIL U | | | | | | | | | | | | / | | | 0 | | | | | VV 17 |

| 1 2 3 4 5 6 7 8 9 10 110 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 </th <th></th> <th></th> <th></th> <th></th> <th>· · · · · · · · · · · · · · · · · · ·</th> <th>Showing a</th> <th></th> <th>s, Caps, r ic</th> <th>JUIS, CUIIA</th> <th>is, Swaps</th> <th>and Forwa</th> <th>us open a</th> <th></th> <th></th> <th>III Dale</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> | | | | | · · · · · · · · · · · · · · · · · · · | Showing a | | s, Caps, r ic | JUIS, CUIIA | is, Swaps | and Forwa | us open a | | | III Dale | | | | | | | | |
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| best best <th< th=""><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>13</th><th>14</th><th>15</th><th>16</th><th>17</th><th>18</th><th>19</th><th>20</th><th>21</th><th>22</th><th>23</th></th<> | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| basedim basedim <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Cumulativo</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></t<> | | | | | | | | | | | Cumulativo | | | | | | | | | | | | 1 |
| Uscattering | | | | | | | | | | | | • • | | | | | | | | | | | |
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| statistics recurse statist | | Description | | | | | | | | | Year(s) | Year Initial | | | | | | | | | | | 1 |
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| Income Standard Total Machine Norther Addite Norther N | | | | | | | | | | Price, | of Un- | Un- | | | | | | l otal | Current | | | Quality | Effectiveness |
| Income Standard Total Machine Norther Addite Norther N | | Used for | | Type(s) | | | Date of | | | Rate or | discounted | discounted | | Book/ | | | Unrealized | Foreian | Year's | to Carrving | | of | at Inception |
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| Description Of Reglobale User Mail Operation Description Operation Description Description <thdescription< th=""> Description <th< th=""><th></th><th></th><th></th><th></th><th></th><th>- ·</th><th></th><th></th><th>.</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<></thdescription<> | | | | | | - · | | | . | | | | | | | | | | | | | | |
| Month of all all manual states Local (1) Mary Family Fami | | | | Risk(s) | | | or | of | Notional | Received | | | Year | | | | Increase/ | | zation)/ | Hedged | Potential | | Quarter-end |
| Month of all all manual states Local (1) Mary Family Fami | Description | or Replicated | Identifier | (a) | or Central Clearinghouse | Date | Expiration | Contracts | Amount | (Paid) | Paid | Paid | Income | Value | Code Fa | air Value | (Decrease) | B./A.C.V. | Accretion | Item | Exposure | Entity | (b) |
| No. 10.1117 Applie Applie </td <td></td> <td></td> <td></td> <td>(- <i>1</i></td> <td></td> <td></td> <td>1 1 1 1 1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>(</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | (- <i>1</i> | | | 1 1 1 1 1 | | | | | | | | | | (| | | | | | |
| NHM 2 Liki Nr deg Liki Nr deg Liki Nr deg Liki Nr deg Nov 202 Liki Nr deg Liki Nr deg <thliki deg<="" nr="" th=""> Liki Nr deg L</thliki> | | | | | | | | | | | | | | | | | | | | | | | 1 |
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| Hart Bin Hart Low Hit Street Bin Hit Low Hit <thlow hit<="" td="" th<=""><td>141607 Call Options -</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></thlow> | 141607 Call Options - | | | | | | | | | | | | | | | | | | | | | | 1 |
| Marge of 11 data Market of 11 data | S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | . 10/06/2021 | . 10/06/2022 | | 1,360,119 | 4533.7284500 | 0 (76,254) | | | |) | | 0 | 0 | | | | | 0014 |
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| gif 50 Luill 1, Mod Enhi 15 Interest MC/MM (2) | 444000 0 11 0 13 | | | | | | | | | | | | | | | | | | | | | | 1 |
| Note of the intervent of the inter | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Sector during Stage (difference (difference Stage (difference Stage (di | S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CBO 9R7GPTS07KV3UQJZQ078 . | 10/06/2021 | 10/06/2022 . | | 1,823,092 | 4557.7279750 | 0 | | | |) | | 0 | 0 | | | | | 0014 |
| Mind and and and and and and and and and a | | | | | X-CHANGE FINANCIAL | | | | | | | | | | | | | | | | | | 1 |
| Midd and meres Martine | | 1 | 1 | 1 | | 1 | 1 | I | | | | | | | 1 | | 1 | | 1 | 1 | | | 1 |
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| 99 50 (4011) Figs Febril 5 Interest No | | LIADIIITY Hedge | Exhibit 5 | interest | | 10/06/2021 | 10/06/2022 . | •••••••••••••••••••••••• | 1,845,780 | 4014.4541250 | U | | | | / | | 0 | 0 | | | | | 0014 |
| 99 50 (4011) Figs Febril 5 Interest No | 142239 Call Options - | 1 | | 1 | WELLS FARGO BANK, | 1 | 1 | | | | 1 | | | | 1 | | 1 | | | | | | 1 |
| NBE NUMBER | | Liability Hedge | Exhibit 5 | Interest | | 10/06/2021 | . 10/06/2022 | | 6.865.765 | 4507.5471500 | 0 | | | |) | | | | | : L | | | 0014 |
| Instrume of the of t | | | | | | | T T T T T T T T T T T T T T T T T T T | T | | | | | | | 1 | | | | | | | | 1 |
| Sign 0 Light 1/y Mag Abilt 15 Interest (1), 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, | 140040 0011 004100 | 1 | 1 | 1 | | 1 | 1 | I | | | | | | | 1 | | 1 | | 1 | 1 | | | 1 |
| New Control Lability Mage Lability Mage <thlability mage<="" th=""> Lability Ma</thlability> | | 1 | | L | | | | | | | | | | | | | | | | | | | |
| Bit State List Hirty Hung Exhibit 5 Interest List Hirty Hung Exhibit 5 Interest List Hirty Hung Exhibit 5 Interest Not Account Account </td <td></td> <td>Liability Hedge</td> <td>Exhibit 5</td> <td>. Interest</td> <td></td> <td>10/06/2021 .</td> <td>10/06/2022 .</td> <td></td> <td>1,218,756</td> <td></td> <td>0</td> <td></td> <td></td> <td>(15,068</td> <td>)</td> <td></td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td>0014</td> | | Liability Hedge | Exhibit 5 | . Interest | | 10/06/2021 . | 10/06/2022 . | | 1,218,756 | | 0 | | | (15,068 |) | | 0 | 0 | | | | | 0014 |
| Bit State List Hirty Hung Exhibit 5 Interest List Hirty Hung Exhibit 5 Interest List Hirty Hung Exhibit 5 Interest Not Account Account </td <td>142848 Call Options -</td> <td></td> <td></td> <td></td> <td>WELLS FARGO BANK,</td> <td></td> <td>1</td> | 142848 Call Options - | | | | WELLS FARGO BANK, | | | | | | | | | | | | | | | | | | 1 |
| List Light Ingling - B 50 Light Ingling - Light Ingling - B 50 Light Ingling - B 50 <thlight -<br="" ingling="">S 50<td>S&P 500</td><td>Liability Hedge</td><td>Exhibit 5</td><td>Interest</td><td>N A KB1H1DSPREMYMCLIEXT09</td><td>10/06/2021</td><td>10/06/2022</td><td></td><td>6 618 282</td><td>4492 2747250</td><td>0 (379,932)</td><td></td><td>187 364</td><td>(103 050</td><td></td><td></td><td>0</td><td>0</td><td>187 364</td><td></td><td></td><td></td><td>0014</td></thlight> | S&P 500 | Liability Hedge | Exhibit 5 | Interest | N A KB1H1DSPREMYMCLIEXT09 | 10/06/2021 | 10/06/2022 | | 6 618 282 | 4492 2747250 | 0 (379,932) | | 187 364 | (103 050 | | | 0 | 0 | 187 364 | | | | 0014 |
| SP 50 Link Lifty Hody Enhibit 5 Link method SP 50 1/15,59 76,58 1/25,29 0 0 76,58 0 0 76,58 0 0 76,58 0 0 76,58 0 0 76,58 0 0 76,58 0 0 76,58 0 0 76,58 0 0 76,58 0 0 76,58 0 0 76,58 0 0 76,58 0 0 76,58 0 0 76,58 0 0 76,58 0 0 9,75 0 0 9,75 0 0 9,75 0 0 9,75 0 0 9,75 0 0 9,75 0 0 9,75 0 0 9,75 0 0 9,75 0 0 9,75 0 0 9,75 0 0 9,75 0 0 9,75 0 0 9,75 0 0 9,75 0 0 0 9,75 0 0 0 0 0 0 0 <t< td=""><td></td><td>2.105.111) 1.00g0</td><td>Ex</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>,</td><td></td><td></td><td>•••••</td><td></td><td></td><td></td><td></td><td></td></t<> | | 2.105.111) 1.00g0 | Ex | | | | | | | | | | | | , | | | ••••• | | | | | |
| Hard of the field of | | Linkilian Iladaa | Fublic A | 1 | | 10/00/0001 | 10 /00 /0000 | | 0.000.000 | 4500 7000050 | (155 010) | | 70,000 | (40.001 | | | | | 70,000 | | | | 0014 |
| High Call Qatime Likelity Hodge Enhold 5 Intervet Statisty Call Qatime Opposite | 50P 500 | Liability Hedge | Exhibit 5 | Interest | | 10/06/2021 | 10/06/2022 . | | 2,830,030 | 4009.7289200 | 0 | | | | / | | 0 | | | •••••• | | | 0014 |
| MSP 200 Light Ly Mage Each 15 Interest MMSP 2010 Light Ly Mage Light Ly Mage <thly mage<="" th=""> Light</thly> | | | | | | | | | | | | | | | | | | | | | | | 1 |
| SHP 500 Liability Hoge Enbil 5 Interest PROVE 63 90/9783/7330,02076 10/20/202 .99,062 .476,5388500 (13,22) .91,71 0 0 18,711 0 0 18,711 0 0 18,711 0 0 18,711 0 0 18,711 0 0 18,711 0 0 18,711 0 0 18,711 0 0 18,711 0 0 18,711 0 0 18,711 0 0 18,711 0 0 18,711 0 0 18,711 0 0 18,711 0 0 0 18,711 0 0 0 18,711 0 0 0 18,711 0 0 0 18,711 0 0 0 18,711 0 0 0 18,711 0 0 0 18,711 0 0 0 18,711 0 0 0 18,711 0 0 18,711 0 0 18,711 0 0 18,711 0 0 18,711 0 <t< td=""><td></td><td></td><td></td><td></td><td>ACCESS / MORGAN</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></t<> | | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | 1 |
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| Hart Part of Light Control Lumit by Mega Exhibit 5 Interest WORK OF SUPERATION Log Superation <thlog superation<="" th=""> Log</thlog> | | Liability Hedge | Exhibit 5 | Interest | | 10/20/2021 | 10/20/2022 | | 949 062 | 4745 3083590 | 0 (37 922) | | 18 701 | (11 740 | | | 0 | 0 | 18 701 | | | | 0014 |
| Host Gall Options - Stress - Liaility Hosp Enhibit 5 Interest SCESS / MDSM SCES | our 000 | Enabrinty nougo | | | | | | | | | 0(07,0EE) | | | | | | • | • | | | | | 0011 |
| 11986 Call Options - Series Liability Hodge Enhibit 5 Interest STURE/VICLE/800 | | | | | | | | | | | | | | | | | | | | | | | 1 |
| SiP 200 Liability Hedge Embilit 5 Interest TROUCH 000 9079737XV30.0L2078 1/20/2021 1/20/2022 1.4.65.077 | | | | | | | | | | | | | | | | | | | | | | | 1 |
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| 14241 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1 | S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 9R7GPTS07KV3UQJZQ078 | 10/20/2021 | 10/20/2022 | | 1.435.977 | 4786.5876880 | 0 (50,868) | | 25.086 | (15.748 |) | | 0 | 0 | 25.086 | | | | 0014 |
| SiP 50 Liability Hedge Enhibit 5 Intrest X0/2/02/1 10/2/02/2 6.391.400 481.5408000 (143,683) 70.657 00 0 70.657 0014 4265 Call Options - 195 50 Enhibit 5 Intrest X0/2/02/1 10/2/02/22 2.624.863 4686.6055600 (144,453) 0 0 0 70.657 0014 4265 Call Options - 587 500 Enhibit 5 Intrest X0/2/02/1 10/20/202 7.588.60 (149,112) 73.042 0 0 0 0 0 0 0014 0 0014 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <t< td=""><td></td><td>, ,</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td>1</td></t<> | | , , | | | | | | | | | | | | | | | | | - | | | | 1 |
| Masses full fortion - SP 500 Liability Hedge Enhiolt 5 Interest PCUALPERFERSES | SEP 500 | Liphility Hodgo | Evhibit 5 | Interest | | 10/20/2021 | 10/20/2022 | | 6 201 400 | 4691 2490900 | 0 (1/2 692) | | 70 957 | (11 192 | | | 0 | 0 | 70 957 | , | | | 0014 |
| 14285 Call Options - SP 500 Liability Hedge Enhibit 5 Interest R.C. 4/24/RAPF9HF988633 10/20/2021 10/20/2022 7.58 4,963 4626.0665200 | 3αr 300 | Liability neuge | LAIIIDIL J | interest | | 10/20/2021 | 10/ 20/ 2022 . | | 0,031,400 | | 0 | | | | , | | 0 | 0 | | | | | 0014 |
| SIP 900 Liability Hedge Exhibit 5 Interest P.C. eVPAGE/FF9F388653 10/20/2021 10/20/2022 2,624,983 4626.0055200 (45,554) 0 0 73,042 0014 0 0014 0 0014 0 0014 0 0014 0 0014 0 0 0 73,042 0 0 0 73,042 0014 0 0014 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td></td> <td>1</td> | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 12857 Call Options - SRP 500 Liability Hedge Enhibit 5 Interest 4/24/HAX/PFGPF388653 .10/20/2021 10/20/2021 7,538,30 .4672.2757000 .(379,417) .167,10 .0 .0 .167,10 .0014 12860 Call Options - SP 500 Liability Hedge Enhibit 5 Interest .4024/HAX/PFGPF388653 .10/20/2021 10/20/2021 .7,538,30 .4672.2757000 .(379,417) .0014 .0 .0014 .0014 12860 Call Options - SP 500 Liability Hedge Enhibit 5 Interest .4024/HAX/PFGPF388653 .10/20/2021 .10/20/2021 .10/20/2021 .10/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 .01/20/2021 | | | | | CO. INTERNATIONAL | | | | | | | | | | | | | | | | | | 1 |
| M2657 Gall Options - SP 500 Liability Hedge Exhibit 5 Interest MCRAW STALEY & CO. INTERNATIONAL PC. 4704KAPFGPF388653 10/20/2021 10/20/2021 7,58,50 4672.2757000 | S&P 500 | Liability Hedge | Exhibit 5 | Interest | PLC | 10/20/2021 | 10/20/2022 . | | 2,624,983 | 4626.0065620 | 0(148,112) | | 73,042 | |) | | 0 | 0 | 73,042 | | | | 0014 |
| 142857 Call Options - SkP 500 Liability Hedge Einbilt 5 Interest PC OUNERRANTIONAL PLOCE 10/20/2021 10/20/2021 10/20/2021 10/20/2021 10/20/2021 10/20/2021 0/14 0014 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 0 0 1687, 110 110/20/2021 10/20/2021 10/20/2021 10/20/2021 10/20/2021 10/20/2021 10/20/2021 10/20/2021 10/20/2021 10/20/2021 10/20/2021 10/20/2021 10/20/2021 10/20/2021 10/20/2021 10/20/2021 | | , , | | | MORGAN STANLEY & | | | | | | | | | | | | | | | | | | 1 |
| SIP 500 Liability Hedge Exhibit 5 Interest R/C | 142657 Call Ontions - | 1 | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | 1 |
| 142680 Call Options - SNP 500 Liability Hodge Exhibit 5 Interest PQUHQLPGPF938653 10/20/2021 10/20/2021 10/20/2022 2.796,66 .4695,8838800 (132,488) | | Linhility Under | Evhibit F | Interest | | 10 /00 /0004 | 10/00/0000 | I | 7 500 050 | 4670 0757000 | 0 /070 /170 | | 107 110 | (117 100 | | | | | 107 110 | | | | 0014 |
| 14280 Call Options SAP 500 Liability Hedge Enhibit 5 Interest P.C. 4PUHRQ/PFOFF/388653 10/20/2021 10/20/2022 2,796,666 .4695,86388800 | JUU | Liability Heage | Exhibit 5 | interest | | 10/20/2021 | 10/20/2022 . | ↓ | | 40/2.2/5/000 | u(3/9,41/) | | | | / | | 0 | 0 | | · · · · · · · · · · · · · · · · · · · | | | UU 14 |
| SAP 500 Liability Hedge Exhibit 5 Interest PLC | | 1 | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | 1 1 |
| SAP 500 Liability Hedge Exhibit 5 Interest PLC | 142660 Call Options - | 1 | 1 | 1 | CO. INTERNATIONAL | 1 | 1 | I | | | | | | | 1 | | 1 | | 1 | 1 | | | 1 1 |
| 14261 Call Options - SXP 500 Liability Hedge Exhibit 5 Interest 0/00240 STANEY/2 | | Liability Hedge | Exhibit 5 | Interest | PLC | 10/20/2021 | 10/20/2022 | L | 2,796,666 | 4695.8638880 | 0(132,488) | | | |) | | 0 | 0 | | · | | | 0014 |
| 142661 Call Options - S8P 500 Liability Hedge Exhibit 5 Interest 400HKL#PGF#S88653 10/20/2021 10/20/2021 11/02/2022 | | , , | | | | 1 | 1 | | | | | [| | | | | | | , | | | | |
| S&P 500 Liability Hedge Exhibit 5 Interest P.C 40/24021 10/20/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 11/02/2021 < | 142661 Call Ontions | 1 | 1 | 1 | | 1 | 1 | I | | | | | | | 1 | | 1 | | 1 | 1 | | | 1 1 |
| 143649 Call Options - SAP 500 Liability Hedge Exhibit 5 Interest FMARC/AL 97GPTS07KV30JZ0078 .11/05/2021 .11/04/2022 .3.353,708 .4791.01084700 | | 1 Calc 1 Calc 10 - 2 | Full (LA F | Index 4 | | 10 /00 /0001 | 10/00/0000 | | 1 050 000 | 4711 00000 10 | | | 07 000 | (00.010 | | | · ^ | - | 07 000 | | | | 0014 |
| 143649 Call Options - SRP 500 Liability Hedge Exhibit 5 Interest ACCESS / MORGAN STANLEY/CLEARED 143649 Call Options - SRP 500 Liability Hedge Exhibit 5 Interest THOUGH (2022) .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 | JUU | Liability Heage | Exnibit 5 | interest | | 10/20/2021 . | | ••••••• ••• | | 4/11.2869340 | u(/5,092) | | | | / | | ······0 | 0 | | · | | | UU 14 |
| 143649 Gall Options - S&P 500 Liability Hedge Exhibit 5 Interest STANLEY/CLEARED THROUGH C80 9R76PTS07KV3UQL20078 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 | 1 | 1 | 1 | 1 | | 1 | 1 | I | | | | | | | 1 | | 1 | | 1 | 1 | | | 1 |
| S&P 500 Liability Hedge Exhibit 5 Interest THOUGH CBO 997GPTS07KV3UQJZQ078 11/05/2021 11/04/2022 | | 1 | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | 1 |
| S&P 500 Liability Hedge Exhibit 5 Interest THOUGH CBO 997GPTS07KV3UQJZQ078 11/05/2021 11/04/2022 | 143649 Call Options - | 1 | | 1 | STANLEY/CLEARED | 1 | 1 | | | | 1 | | | | 1 | | 1 | | | | | | 1 1 |
| 143653 Call Options - SkP 500 Exhibit 5 Interest THOUGH CBO 9R7GPTS07KV3UUJZ0078 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 11/05/2021 <t< td=""><td></td><td>liahility Hedre</td><td>Exhibit 5</td><td>Interest</td><td></td><td>11/05/2021</td><td>11/04/2022</td><td></td><td>3 353 709</td><td>4791 0108/70</td><td>(185 501)</td><td></td><td>01 776</td><td>(65.262</td><td></td><td></td><td>n</td><td>0</td><td>01 776</td><td></td><td></td><td></td><td>0014</td></t<> | | liahility Hedre | Exhibit 5 | Interest | | 11/05/2021 | 11/04/2022 | | 3 353 709 | 4791 0108/70 | (185 501) | | 01 776 | (65.262 | | | n | 0 | 01 776 | | | | 0014 |
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| 143653 Call Options - SkP 500 Liability Hedge Exhibit 5 Interest STALEY/CLEARED 9769TS07KV300JZ0078 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 | | 1 | 1 | 1 | | 1 | 1 | I | | | | | | | 1 | | 1 | | 1 | | | | 1 |
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| S&P 500 Liability Hedge Exhibit 5 Interest THROUGH CBO 9R7GPTS07KV3UQJZQ078 .11/05/2021 .11/04/2022 | | 1 | | 1 | STANLEY/CLEARED | 1 | 1 | | | | 1 | | | | 1 | | 1 | | | | | | 1 |
| 143657 Call Options - Exhibit 5 Exhibit 5 Interest SXP_500 | | Liability Hedge | Exhibit 5 | Interest | | | .11/04/2022 | L | 7.741.529 | | 0 (382.048) | I | 188.925 | (134. 347 |) | | n | 0 | 188.925 | j | | | 0014 |
| 143657 Call Options - S8P 500 Exhibit 5 Interest ACCESS / MORGAN STANLEY/CLEAPED 9R7GPTS07KV300JZ0078 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 .1 | | | 1 | 1 | | | | [| ,,,, | | | | , , , , , , , , , , , , , , , , , , , , | | 1 | | | | ,020 | | | | 1 |
| 143657 Call Options - S&P 500 Liability Hedge Exhibit 5 Interest STANLEY/CLEARED THROUGH 680 9776PTS07KV300JZ0078 .11/05/2021 .11/05/2021 .11/05/2021 .11/05/2021 | | 1 | 1 | 1 | | 1 | 1 | I | | | | | | | 1 | | 1 | | 1 | 1 | | | 1 |
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| 143660 Call Options - | | L | L | 1. | | 1 | 1 | I | | | | | | | 1 | | 1 | | | | | | 1 |
| ACCESS / MORGAN STANLEY/CLEARED | S&P 500 | Liability Hedge | Exhibit 5 | Interest | | 11/05/2021 . | | | 3,400,072 | 4857.2460200 | 0 | | | |) | | 0 | 0 | | | | | 0014 |
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| Under gramme Under gramme Type Party Party <td></td> <td>Total</td> <td>Curront</td> <td>Adjustment</td> <td></td> <td></td> <td></td> | | | | | | | | | | | | | | | | | | Total | Curront | Adjustment | | | |
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| Normal Market Low France Low | Description | | | | | | - | | | | | | | | Cada | Esia)/alua | | | | | | | |
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| Bar Off Open Processing Open Processing <td></td> <td>Liability Hedge</td> <td>Exhibit 5</td> <td>Interest</td> <td></td> <td>11/05/2021</td> <td>11/04/2022</td> <td></td> <td>976 992</td> <td>4884 96144700</td> <td>(42 822)</td> <td></td> <td>21 176</td> <td>(15.058)</td> <td></td> <td></td> <td>0</td> <td>0</td> <td>21 176</td> <td></td> <td></td> <td></td> <td>0014</td> | | Liability Hedge | Exhibit 5 | Interest | | 11/05/2021 | 11/04/2022 | | 976 992 | 4884 96144700 | (42 822) | | 21 176 | (15.058) | | | 0 | 0 | 21 176 | | | | 0014 |
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| Name Construction | S&P 500 | Liability Hedge | Exhibit 5 | Interest | | 11/05/2021 | 11/04/2022 . | | 1,4/3,521 | 4911.73736800 | (60,1/4) | | | (21, 160) | | | 0 | 0 | | | | | 0014 |
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| Bit Sol Bit Sol | | | | | ACCESS / MORGAN | | | | | | | | | | | | | | | | | | |
| List of the set of se | 143680 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| List of the set of se | | Liability Hedge | Exhibit 5 | Interest | | 11/05/2021 | 11/04/2022 | | 1,980,854 | 4952, 13612600 | (72,416) | | 35,810 | (25,465) | | | 0 | 0 | 35,810 | | | | 0014 |
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| See Subject Light Instruct Light Try Mage Chain Try Mage <thchain mage<="" th="" try=""></thchain> | | Linhility Under | Evhibit 5 | Intercet | | 11/05/0004 | 11/04/0000 | 1 | 7 700 500 | 4050 40070500 | (104 040) | | 01 007 | (57 700) | 1 | | _ | _ | 04 007 | | | | 0014 |
| Mail Dall Lighter- W 50. Light 17 hogs Endot 5 Interel Light 17 hogs SPE 000000000000000000000000000000000000 | 30P DUU | LIADIIILY Heage | EXHIBIT 5 | interest | | | 11/04/2022 . | | | 4000.199/2500 | (164,340) | | 81,267 | | | | 0 | 0 | 81,207 | | | | UU 14 |
| 1982 Call Lightly hegg Enhild S Integer S STATURE Call 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 1/1/1/202 | | 1 | 1 | 1 | | | 1 | 1 | | | 1 | | | | 1 | | | | | | | | |
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| GP 50 Lishii iy Hage Eahlii i S Intract How 2000 First St F | 143682 Call Options - | | | | STANLEY/CLEARED | | | | | | | | | | | | | | | | | | |
| New Act 1 bit Not Label 11 Weige Exhibit 5 Interest How Set 00000000000000000000000000000000000 | | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 9B7GPTS07KV3U0JZ0078 | 11/19/2021 | 11/18/2022 | | 1.464.918 | 4883.05962400 | (70.611) | | 34.918 | (27,546) | | | 0 | 0 | 34.918 | | | | 0014 |
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| 1588 cui logines endet 5 Interest 87000000000000000000000000000000000000 | | | | | | | | | | | | | | | | | | | | | | | |
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| Style Sci Autor Ball 15 function B | | | | | | | | | | 1007 00010100 | (00.004) | | 00.054 | (04.044) | | | | | | | | | |
| BP 80 Liaility holgs Exhibit 5 Interest K.A. BR/L288/014 (Link) Link (Link) BA/L BR/L288/014 (Link) BA/L288/014 (Link) </td <td></td> <td>Liability Hedge</td> <td>Exhibit 5</td> <td>Interest</td> <td></td> <td>11/19/2021</td> <td>11/18/2022 .</td> <td></td> <td>1,481,126</td> <td>4937.08616400</td> <td>(62,394)</td> <td></td> <td></td> <td>(24,341)</td> <td></td> <td></td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td>0014</td> | | Liability Hedge | Exhibit 5 | Interest | | 11/19/2021 | 11/18/2022 . | | 1,481,126 | 4937.08616400 | (62,394) | | | (24,341) | | | 0 | 0 | | | | | 0014 |
| 1580:001 0110 ft/10* 0140 ft/10* | | | | | | | | | | | | | | | | | | | | | | | |
| SP 50 Libility Holgs Enhiolt 5 Interest VA BUTGERROUCDINECT .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .11/19/2021 .24/18,65 .660 .666 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .00/4 .00/4 .00/4 .00/4 .00/4 .0 .6 .6 .6 .00/4 .00/4 .00/4 .0 .6 .6 .6 .00/4 .00/4 .00/4 .00/4 .00/4 .00/4 .00/4 .00/4 .00/4 .00/4 .00/4 .00/4 .00/4 .00/4 .00/4 .00/4 .00/4 .00/4< | | Liability Hedge | Exhibit 5 | Interest | | 11/19/2021 | 11/18/2022 . | | 2,784,395 | 4791.44940400 | (171,421) | | | (66,873) | | | 0 | 0 | | | | | 0014 |
| 14382 0.01 (pt fine - by 200 (pt fi | 143820 Call Options - | | | | BANK OF AMERICA, | | | | | | | | | | | | | | | | | | |
| 14382 011 Griton - Joseph 200 Lability Hodge Enhibit 5 Interest M.K. P. 48EIIX. M. 48EIIX. M. 48EIIX. M. P. 48EIIX. M. 48EIIX. M. P. 48EIIX. M. 48EIIX. M. 48EIIX. | S&P 500 | Liability Hedge | Exhibit 5 | Interest | N.A. B4TYDEB6GKMZ0031MB27 . | 11/19/2021 | | | 1,835,177 | 4798.03000000 | (111,390) | | | (43,454) | | | 0 | 0 | | | | | 0014 |
| SpP 60 Liability Hedge Echibit 5 Interest BAT/SOC 1/1/9/2021 1/1/9/2021 2,48,617 6,68,186 4,640 0 0 164,691 0/14 Sup 601 Liability Hedge Echibit 5 Interest BAT/Soc 011 1/19/2021 1/19/2021 2,48,617 6,869,186 4807 0.0 0 64,691 0/14 Sup 500 Liability Hedge Echibit 5 Interest Sup 500 1/19/2021 1/19/2021 2,48,617 6,869,186 4807 6,669 0 6,669 0 6,669 0/14 0/14 Sup 500 Interest Sup 500 Interest Sup 500 1/19/2021 1/19/2021 5,168,82 4807 631,83 4(8,800) 0 0 53,53 0014 0/14 0/14 0/14 0/14 0/14 0/14 0/14 0/14 0/14 0/14 0/14 0/14 0/14 0/14 0/14 0/14 0/14 0/14 0/14 0/14 0/14 0/14 <t< td=""><td>143829 Call Options -</td><td></td><td></td><td></td><td>BANK OF AMERICA.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | 143829 Call Options - | | | | BANK OF AMERICA. | | | | | | | | | | | | | | | | | | |
| 14385 6.011 (ptime - lase) Lish Lifty Heige Enhist 5 Interest Aux 6* JERTION, 11/19/2021 11/19/2022 2,418,65 AE80.1700000 (193,817) 64,690 (51,03) 0 .64,690 .014 14382 (21) (ptime - lase) Enhist 5 Interest 3PT00 11/19/2021 11/19/2021 5.785,00 4847.800000 (193,817) 64,690 0 .64,690 0 .64,690 .014 .014 14473 Call Optime - SP 500 Enhist 5 Interest 3PT07007/30.02078 12/06/2021 .5,785,00 4847.8000000 (193,817) .64,690 0 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .64,690 .0 .0 .64,690 .0 .64,690 < | | Liability Hedge | Exhibit 5 | Interest | | 11/19/2021 | 11/18/2022 | | 6 668 188 | 4834 67000000 | (373 487) | | 184 691 | (145,701) | | | 0 | 0 | 184 691 | | | | 0014 |
| SP 500 Liability Hodge Enhibit 5 Interest N.A. B4T028EQAUIQUUST 147/17/2022 2.448.65 480.7000000 (100.017) 44.690 (01.03) 0 0 64.690 014 S8P 500 Liability Hodge Enhibit 5 Interest MAX/S BMK RLC, GSSEF7/KF170KS73, 11/19/2021 11/19/2021 11/19/2021 11/19/2021 11/19/2021 11/19/2021 11/19/2021 11/19/2021 10/14 0014 0 0 65,153 0 0014 0014 14473 Guil Options - SP 500 Liability Hodge Enhibit 5 Interest 11/19/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/ | | Endorring houge | Exilibit 0 | | | | | | | | | | | | | | • | ••••• | | | | | 0014 |
| 14882 500 Liability Hedge Exhibit 5 Interest BREATS BANK PLC GSSEFTV/P5170X3620078 11/19/2021 11/19/2022 5,785,00 447.800000 (127,786) 68,153 0 0 6,8,153 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td></td> <td>Lishility Hadaa</td> <td>Evhibit E</td> <td>Interest</td> <td></td> <td>11/10/0001</td> <td>11/10/0000</td> <td></td> <td>0 410 615</td> <td>4950 1700000</td> <td>(100.017)</td> <td></td> <td>64 600</td> <td>(51 022)</td> <td></td> <td></td> <td>0</td> <td>0</td> <td>64 600</td> <td></td> <td></td> <td></td> <td>0014</td> | | Lishility Hadaa | Evhibit E | Interest | | 11/10/0001 | 11/10/0000 | | 0 410 615 | 4950 1700000 | (100.017) | | 64 600 | (51 022) | | | 0 | 0 | 64 600 | | | | 0014 |
| SP 50 Liability Hodge Exhibit 5 Interest BABLX9 SWR PC _ GSSEFTAV5170X5273 11/19/2021 .11/19/2021 .5,785,00 .487.8200000 .127.788 .68,153 .468,820 .0 .0 .68,153 .0014 144773 Call Options - SP 500 Liability Hodge Exhibit 5 Interest .902970377030L202078 12/06/2021 .12/06/2021 .12/06/2021 .12/06/2021 .0 .0 .68,153 0 0 68,153 0 0 68,153 0 0 68,153 0 0 68,153 0 0 68,153 0 0 68,153 0 0 68,153 0 0 68,153 0 0 68,153 0 0 68,153 0 0 0 68,153 0 0 68,153 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | Liability Heuge | EXILIDIT 5 | interest | N.A | | | | | 4030.17000000 | | | | (01,000) | | | 0 | 0 | | | | | 0014 |
| 14473 Gali Options - SP 500 Liability Hedge Exhibit 5 Interest PACHE FINACULA ACCESS / MCROM 12/06/2021 12/06/2022 5, 148, 823 .4880.7483800 .(388, 159) .181, 558 0 0 .181, 558 0014 14473 Gali Options - SP 500 Liability Hedge Exhibit 5 Interest PACHE Gal 97097157/X30.02078 .12/06/2021 12/06/2022 .5, 148, 823 .4880.7483800 .(388, 159) .181, 558 0 0 .181, 558 0 0 .181, 558 0 0 .181, 588 .0014 0 144779 Gali Options - SP 500 Liability Hedge Exhibit 5 Interest PACHE Gal 97097157/X30.02078 .12/06/2021 12/06/2022 .1.678, 177 .4685, 4474200 .(130, 476) .64, 344 .(57, 185) 0 0 .64, 344 .0014 | 143892 Call Uptions - | | E 1 11 14 E | | | 44 (40 (0004 | 44 (40 (0000 | | 5 705 000 | 40.47 00000000 | (407, 700) | | 00.450 | (40,000) | | | | | 00 450 | | | | 0044 |
| 14473 Call Options - SAP 500 Liability Hodge Enhibit 5 Interest ACCESS / MERAN STALE//CLENED 12/06/2021 12/06/2021 12/06/2021 5,148,823 4680.7483860 | S&P 500 | LIADIIITY Hedge | Exhibit 5 | interest | | | 11/18/2022 . | | 5,785,000 | 4847.82000000 | | | | (49,820) | | | 0 | 0 | | | | | 0014 |
| H4172 Gall Options - SRP 500 Lability Hedge Exhibit 5 Interest STREEV/CLENED 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 014 H4176 Call Options - SRP 500 Lability Hedge Exhibit 5 Interest STREEV/CLENED 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/2021 13/06/202 | | | | | | | | | | | | | | | | | | | | | | | |
| SkP 500 Liability Hedge Exhibit 5 Interest TH00HCR 080 97/971507XV30L20078 1/2/06/2021 1/2/06/2021 1/2/06/2021 1/2/06/2021 1/2/06/2021 0.014 0.014 14/170 Call Options Liability Hedge Exhibit 5 Interest TH00HCR 080 97/971507XV30L20078 1/2/06/2021 1/2/06/2021 1/2/06/2022 1//////////////////////////////////// | | | | | | | | | | | | | | | | | | | | | | | |
| 14478 Call Options - Liability Hedge Exhibit 5 Interest 12/06/2021 12/06/2022 1,878,177 .4685.44174200 (130,476) | 144173 Call Options - | 1 | 1 | 1 | STANLEY/CLEARED | | 1 | 1 | | | 1 | | | | 1 | | | | | | | | |
| 14476 Call Options - Liability Hedge Exhibit 5 Interest 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 014 14470 Call Options - Liability Hedge Exhibit 5 Interest 97097507X/300,20078 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 014 0014 14470 Call Options - Liability Hedge Exhibit 5 Interest 18/02/00 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 014 0014 14470 Call Options - Liability Hedge Exhibit 5 Interest BRDGH Coll 12/06/2021 12/06/2021 12/06/2021 12/06/2021 12/06/2021 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 014 <td< td=""><td>S&P 500</td><td>Liability Hedge</td><td>Exhibit 5</td><td>Interest</td><td>THROUGH CB0</td><td>12/06/2021</td><td>12/06/2022</td><td></td><td>5, 148, 823</td><td>4680.74839800</td><td></td><td></td><td></td><td>(161,385)</td><td></td><td></td><td>0</td><td>0</td><td></td><td></td><td></td><td></td><td>0014</td></td<> | S&P 500 | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | 12/06/2021 | 12/06/2022 | | 5, 148, 823 | 4680.74839800 | | | | (161,385) | | | 0 | 0 | | | | | 0014 |
| 144776 Call Options - Liability Hedge Exhibit 5 Interest MCCBSS / URGAN STALE/VICAFEED 970PTS07XV3UJ20078 12/06/2021 12/06/2022 1,878,177 .4695.44174200 .(130,476) .64,344 | | , | | 1 | | | 1 | | | | ,, | | , | . ,, | | | | | , | | | | |
| H4172 Call Options - SRP 500 Liability Hedge Exhibit 5 Interest SPO(2021) 12/06/2021 12/06/2021 12/06/2022 1, 879, 177 | | 1 | 1 | 1 | | | 1 | | | | | | 1 | | | | | | | | | | |
| SkP 500 Liability Hedge Exhibit 5 Interest THOUCH CO 97/07PTS07KV30J20078 12/06/2021 12/06/2022 13,878,177 .4965.44174200 (57,195) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <t< td=""><td>144176 Call Ontions</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | 144176 Call Ontions | | | | | | | | | | | | | | | | | | | | | | |
| Interest Number Normalize Numer Normalize Number Normalize | | Linkilia, Index | Fublic F | 1 | | 10/00/0001 | 10/00/00000 | 1 | 1 070 477 | 4005 44174000 | (100, 170) | | 64.044 | (57 405) | 1 | | _ | _ | 64 044 | | | | 0014 |
| 144179 Call Options - S&P 500 Liability Hedge Exhibit 5 Interest ACCESS / MGRAN STALE?/CLEARED 0 0 996,432 0 0 996,432 0014 14422 Call Options - SAP 500 Liability Hedge Exhibit 5 Interest BARCLAYS BMK PLC G50SEF7/UP5170K/S73 12/06/2021 12/06/2022 2,2451,531 4833.1900000 (128,818) 63,527 0 0 63,527 0014 144228 Call Options - SAP 500 Liability Hedge Exhibit 5 Interest BARCLAYS BMK PLC G50SEF7/UP5170K/S73 12/06/2021 12/06/2022 2,2451,531 4833.1900000 (128,818) 63,527 (56,468) 0 0 63,527 0014 0 144228 Call Options - SAP 500 Liability Hedge Exhibit 5 Interest BARCLAYS BMK PLC G50SEF7/UP5170K/S73 12/06/2022 2,2451,531 4833.1900000 (128,818) 63,527 (26,668) 0 0 2,5,522 (22,686) 0 0 2,5,522 (22,686) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 30P DUU | LIADIIILY Heage | EXHIBIT 5 | interest | | 12/00/2021 | 12/00/2022 . | | | 4093.441/4200 | (130,476) | | | (57, 195) | ••••• | | 0 | 0 | | | | | UU 14 |
| 144729 Call Options - SWP 500 Liability Hedge Exhibit 5 Interest STANLEY/CLEARED THOUGH C80 9776PTS07KV30JJ20078 12/06/2021 12/06/2022 6, 149, 400 4730. 33843400 | | 1 | 1 | 1 | | | 1 | 1 | | | 1 | | | | 1 | | | | | | | | |
| SkP 500 | | 1 | 1 | 1 | | | 1 | 1 | | | 1 | | | | 1 | | | | | | | | |
| 144222 Call Options - S&P 500 Liability Hedge Exhibit 5 Interest BARCLAYS BANK PLC G5GSEF7VJP5170UK5573 12/06/2021 12/06/2022 2,451,531 .4833.19000000 (128,818) | | 1 | 1 | 1 | | | 1 | 1 | 1 | | 1 | | | | 1 | | | | | | | | |
| 144222 Call Options - S&P 500 Liability Hedge Exhibit 5 Interest BARCLAYS BANK PLC G5GSEF7VJP5170UK5573 12/06/2021 12/06/2022 2,451,531 .4833.19000000 (128,818) | | Liability Hedge | Exhibit 5 | Interest | THROUGH CB0 | 12/06/2021 | 12/06/2022 . | | 6, 149, 440 | 4730.33843400 | | | | (174, 606) | | | 0 | 0 | | | | | 0014 |
| SkP 500 Liability Hedge Exhibit 5 Interest BARCLAYS BANK PLC G656EF7VJP5170UK5573 .12/06/2021 .12/06/2022 | 144222 Call Options - | | | | | | | | | | | | | | | | | | | | | | |
| 144226 Call Options - S&P 500 | | Liability Hedge | Exhibit 5 | Interest | BARCLAYS BANK PLC G56SEE7V. IP51701K5573 | 12/06/2021 | 12/06/2022 | | 2 451 531 | 4833, 19000000 | (128 818) | | 63 527 | (56 468) | | | ٥ | ٥ | 63 527 | | | | 0014 |
| S&P 500 Liability Hedge Exhibit 5 Interest BARCLAYS BANK PLC G5GSEF7VJP5170UK5573 12/06/2021 12/06/2021 12/06/2021 0014 0014 144234 Call Options - SAP 500 Liability Hedge Exhibit 5 Interest BARCLAYS BANK PLC G5GSEF7VJP5170UK5573 12/06/2021 12/06/2021 12/06/2021 0014 0014 0014 144242 Call Options - SAP 500 Liability Hedge Exhibit 5 Interest BARCLAYS BANK PLC G5GSEF7VJP5170UK5573 12/06/2021 12/06/2021 12/06/2021 12/06/2021 0014 0014 144242 Call Options - SAP 500 Liability Hedge Exhibit 5 Interest BARCLAYS BANK, RB HIDSPREIMWOLFXT09 12/06/2021 12/06/2021 12/06/2021 12/06/2021 0014 0014 144710 Call Options - SAP 500 Liability Hedge Exhibit 5 Interest SOCIETE GENERAL 02NEBBI8XP4R0T0BPU41 12/20/2021 12/20/2022 | | | | 1 | | | T | [| ,,, | | | | 50,0E/ | | | | · · · · · · · · · · · · · · · · · · · | • | | [| [| | |
| 144234 Call Options - S&P 500 Liability Hedge Exhibit 5 Interest BARCLAYS BANK PLC _ G5GSEF7VJP5170UK5573 12/06/2021 12/06/2021 12/06/2021 014 014 144242 Call Options - SAP 500 Liability Hedge Exhibit 5 Interest BARCLAYS BANK PLC _ G5GSEF7VJP5170UK5573 12/06/2021 12/06/2021 12/06/2021 014 014 144202 Call Options - SAP 500 Liability Hedge Exhibit 5 Interest N.A. KB1H1DSPRFINYMUJFXT09 12/06/2021 12/06/2021 12/06/2021 12/06/2021 014 014 144710 Call Options - S&P 500 Exhibit 5 Interest SOCIETE GENERAL ACCESS / MORGAN ACCESS / MORGAN 021 12/02/2021 12/20/2022 | | Liphility Hodgo | Evhibit 5 | Interest | | 12/06/2021 | 12/06/2022 | | 020 /56 | 4907 02000000 | (51 752) | | 25 522 | (22,696) | | | 0 | 0 | 25 522 | | | | 0014 |
| SkP 500 Liability Hedge Exhibit 5 Interest BARCLAYS BANK PLC G56SEF7/UP5170UK5573 12/06/2021 12/06/2021 12/06/2021 0014 0014 144242 Call Options - SkP 500 Liability Hedge Exhibit 5 Interest BARCLAYS BANK PLC G56SEF7/UP5170UK5573 12/06/2021 12/06/2021 12/06/2021 014 0014 0014 144242 Call Options - SkP 500 Liability Hedge Exhibit 5 Interest N.A. KB1HIDSPRFIMMCUFXT09 12/06/2021 12/06/2021 12/06/2021 0014 0014 0014 144710 Call Options - Liability Hedge Exhibit 5 Interest SOCIETE GENERAL 02NEB1BXP4R0T0BPU41 12/20/2021 12/20/2021 12/20/2021 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 0014 | | Liaulilly neuge | LAIIIDIL J | interest | DANULATO DAWA FLG. 0000EF/V0F01/00K00/3. | | 12/00/2022 . | | | | (01,753) | | | (22,080) | | | 0 | 0 | | | | | 0014 |
| 144242 Call Options - S&P 500 Liability Hedge Exhibit 5 Interest WELLS FARGO BANK, N.A. 12/06/2021 12/06/2021 12/06/2022 | 144234 Gall Uptions - | 1 California (1973) | FURTHER F | Intern 1 | | 10 /00 /0001 | 10/00/00000 | | 0 000 000 | 4750 04000000 | (110.000) | | 70.450 | (00.001) | | | _ | _ | 70 450 | | | | 0014 |
| SkP 500 Liability Hedge Exhibit 5 Interest N.A. KB1H10SPRFMYMUQFXT09 .12/06/2021 | 5&P 500 | LIADIIITY Hedge | EXNIDIT 5 | interest | | 12/06/2021 | 12/06/2022 . | ····· | 2,292,303 | 4/52.84000000 | (142,862) | | /U,452 | (62,624) | | | 0 | 0 | /0,452 | | | | UU 14 |
| 144710 Call Options - S&P 500 Liability Hedge Exhibit 5 Interest SOCIETE GENERAL 02NE81BXP4R0T0BPU41 12/20/2021 12/20/2021 12/20/2021 12/20/2021 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td>144242 Call Options -</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td> <td>1</td> <td> </td> <td> </td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td> </td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | 144242 Call Options - | 1 | 1 | 1 | | | 1 | | | | | | 1 | | | | | | | | | | |
| S&P 500 Liability Hedge Liability Hedge SOCIETE GENERAL O2PNE81BXP4R0TD8PU41 .12/20/2021 .12/20/2021 .12/20/2021 | S&P 500 | Liability Hedge | Exhibit 5 | Interest | N.A KB1H1DSPRFMYMCUFXT09 . | 12/06/2021 | 12/06/2022 . | | 7,494,849 | 4732.63426900 | (237,054) | | | (103, 914) | | | 0 | 0 | | | | | 0014 |
| S&P 500 Liability Hedge Liability Hedge SOCIETE GENERAL O2PNE81BXP4R0TD8PU41 .12/20/2021 .12/20/2021 .12/20/2021 | 144710 Call Options - | 1 | | 1 | | | 1 | | | | | | | | | | | | | | | | |
| 144728 Call Options - STANLEY/OLEARED | S&P 500 | Liability Hedge | Exhibit 5 | Interest | SOCIETE GENERAL 02RNE81BXP4R0TD8PU41 | 12/20/2021 | 12/20/2022 | | 6, 118, 452 | 4708.25821400 | 0 | | 0 | | | | 0 | 0 | | | | | 0014 |
| 144728 Call Options - STANLEY/CLEARED | | , | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | |
| 144728 Call Options - STANLEY/CLEARED | | 1 | | 1 | | | 1 | | | | | | | | | | | | | | | | |
| | 144728 Call Ontion- | 1 | 1 | 1 | | | 1 | 1 | 1 | | 1 | | | | 1 | | | | | | | | |
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| NOT 10 Martin Notes | Description | or Replicated | Identifier | (a) | | Clearinghouse | Date | Expiration | Contracts | Amount | (Paid) | Paid | Paid | Income | Value | Code | Fair Value | (Decrease) | B./A.C.V. | Accretion | Item | Exposure | Entity | (b) |
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| No. 1 No. 1 No. 2 No. 2 <td< td=""><td>S&P 500</td><td>LIABILITY HEDGE</td><td>Exhibit 5</td><td>Interest</td><td></td><td>9R7GPTS07KV3UQJZQ078</td><td>. 12/20/2021</td><td>12/20/2022 .</td><td></td><td>6,581,329</td><td>4700.94938200</td><td>(416,780)</td><td></td><td></td><td>(198 , 684)</td><td></td><td></td><td>0</td><td>0</td><td></td><td></td><td></td><td></td><td>0014</td></td<> | S&P 500 | LIABILITY HEDGE | Exhibit 5 | Interest | | 9R7GPTS07KV3UQJZQ078 | . 12/20/2021 | 12/20/2022 . | | 6,581,329 | 4700.94938200 | (416,780) | | | (198 , 684) | | | 0 | 0 | | | | | 0014 |
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| 110999999. Subblal - Swaps - Hedging Effective Variable Annulty Guarantees Under SSAP No.108 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td></td> <td>() / ,</td> <td>(18,913,941)</td> <td>10,905,732</td> <td>(1/,/83,41/)</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>10,905,732</td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | | | | | () / , | (18,913,941) | 10,905,732 | (1/,/83,41/) | | 0 | 0 | 0 | 10,905,732 | | | | |
| 119999999. Subtotal - Swaps - Hedging Other 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | • | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | - | | | |
| 1229999999, Subtotal - Swaps - Replication 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0< | 1109999999. Subt | total - Swaps - Hedg | ing Effective | Variable Ar | nuity Guarantees | Under SSAP No.10 | 8 | | | | | 0 | 0 | 0 | 0 | XXX | 0 | 0 | 0 | 0 | 0 | 0 | XXX | XXX |
| 128999999. Subtal - Swaps - Income Generation 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td< td=""><td>1169999999. Subt</td><td>total - Swaps - Hedg</td><td>ing Other</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>XXX</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>XXX</td><td>XXX</td></td<> | 1169999999. Subt | total - Swaps - Hedg | ing Other | | | | | | | | | 0 | 0 | 0 | 0 | XXX | 0 | 0 | 0 | 0 | 0 | 0 | XXX | XXX |
| 128999999. Subtal - Swaps - Income Generation 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td< td=""><td>1229999999 Subt</td><td>total - Swaps - Repli</td><td>cation</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>XXX</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>XXX</td><td>XXX</td></td<> | 1229999999 Subt | total - Swaps - Repli | cation | | | | | | | | | 0 | 0 | 0 | 0 | XXX | 0 | 0 | 0 | 0 | 0 | 0 | XXX | XXX |
| 1349999999. Subtotal - Swaps - Other 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | n | | | | | | | | | | 0 | | | 0 | 0 | 0 | 0 | | | | |
| 135999999. Total Swaps - Interest Rate 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | 0 | | | 0 | 0 | 0 | 0 | | | | |
| 136999999. Total Swaps - Credit Default 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td></td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | | | | | | | 0 | 0 | | 0 | 0 | 0 | 0 | | | | |
| 137999999. Total Swaps - Foreign Exchange 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td></td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | | | | | | | 0 | 0 | | 0 | 0 | 0 | 0 | | | | |
| 1389999999. Total Swaps - Total Return 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | 0 | 0 | | 0 | 0 | 0 | 0 | | | | |
| 139999999. Total Swaps - Other 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 < | | | | | | | | | | | | | | 0 | 0 | | 0 | 0 | 0 | 0 | - | | | |
| 140999999. Total Swaps 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td>13899999999. Total</td> <td>I Swaps - Total Retu</td> <td>Irn</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>XXX</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>XXX</td> <td>XXX</td> | 13899999999. Total | I Swaps - Total Retu | Irn | | | | | | | | | 0 | 0 | 0 | 0 | XXX | 0 | 0 | 0 | 0 | 0 | 0 | XXX | XXX |
| 140999999. Total Swaps 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td>1399999999. Tota</td> <td>I Swaps - Other</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>-</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>XXX</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>XXX</td> <td>XXX</td> | 1399999999. Tota | I Swaps - Other | | - | | | | | - | - | | 0 | 0 | 0 | 0 | XXX | 0 | 0 | 0 | 0 | 0 | 0 | XXX | XXX |
| 1479999999. Subtotal - Forwards 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | | | | | | | | 0 | 0 | | 0 | 0 | 0 | 0 | | | | |
| 150999999. Subtolal - SSAP No. 108 Adjustments 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td>-</td><td>0 0</td><td></td><td></td><td>\$</td><td>\$</td><td>•</td><td>0</td><td>-</td><td></td><td></td><td></td></t<> | | | | | | | | | | | | - | - | 0 0 | | | \$ | \$ | • | 0 | - | | | |
| 168999999. Subtolal - Hedging Effective Excluding Variable Annuity Guarantees Under SSAP No.108 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | Adjustment | | | | | | | | | | | 0 | | | 0 | 0 | 0 | 0 | | | | |
| 1699999999. Subtotal - Hedging Effective Variable Annuity Guarantees Under SSAP No.108 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | 00 | | | | | | | 0 | | | 0 | 0 | 0 | 0 | | | | |
| 1709999999. Subtolal - Hedging Other 5,463,648 4,923,518 (3,919,703) 5,006,122 XX 2,252,558 (11,112,062) 0 (3,919,703) 0 0 XXX 17199999999. Subtolal - Replication 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 XXX XXX 17199999999. Subtolal - Income Generation 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | | 08 | | | | | ů | * | 0 | | | 0 | 0 | 0 | 0 | ů | | | |
| 1719999999. Subtotal - Replication 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | e Annuity Gu | arantees Under S | SAP No.108 | | | | | | v | v | 0 | | | 0 | 0 | 0 | 0 | | | | |
| 1719999999. Subtotal - Replication 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1709999999. Subt | total - Hedging Othe | r <u> </u> | | | | | | | | | 5,463,648 | 4,923,518 | (3,919,703 | 5,006,122 | XXX | 2,252,558 | (11,112,062) | 0 | (3,919,703) | 0 | 0 | XXX | XXX |
| 1729999999. Subtotal - Income Generation 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>XXX</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>XXX</td> <td>XXX</td> | | | | | | | | | | | | 0 | 0 | 0 | 0 | XXX | 0 | 0 | 0 | 0 | 0 | 0 | XXX | XXX |
| 1739999999. Subtotal - Other 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td< td=""><td></td><td></td><td>ation</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>n 0</td><td>n 0</td><td>0</td><td></td><td>۰ ۱</td><td>0</td><td>۰ ۱</td><td>n 0</td><td>-</td><td></td><td></td><td></td></td<> | | | ation | | | | | | | | | 0 | n 0 | n 0 | 0 | | ۰ ۱ | 0 | ۰ ۱ | n 0 | - | | | |
| 1749999999. Subtotal - Adjustments for SSAP No. 108 Derivatives 0 0 0 XXX 0 0 0 0 0 XXX XXX | | | | | | | | | | | | - | | 0 | 0 | | 0 | 0 | 0 | 0 | - | | | |
| | | | | 100 D | | | | | | | | v | v | 0 | 0 | | 0 | 0 | 0 | 0 | - | | | |
| 1759999999 - Iotals 5,463,648 4,923,518 (3,919,703) 5,006,122 XXX 2,252,558 (11,112,062) 0 (3,919,703) 0 0 XXX XXX | | | DI 55AP NO. | 108 Derivat | ives | | | | | | | v | v | 0 | | | 0 | 0 | 0 | 0 | - | | | |
| | 1759999999 - Tota | als | | | | | | | | | | 5,463,648 | 4,923,518 | (3,919,703 |) 5,006,122 | XXX | 2,252,558 | (11,112,062) | 0 | (3,919,703) | 0 | 0 | XXX | XXX |

| (a) | Code | Description of Hedged Risk(s) |
|-----|------|-------------------------------|
| E E | | |

| b) | Code | Financial or Economic Impact of the Hedge at the End of the Reporting Period |
|----|------|------------------------------------------------------------------------------|
| | | |

Schedule DB - Part B - Section 1 - Futures Contracts Open

Schedule DB - Part B - Section 1B - Brokers with whom cash deposits have been made $N\ O\ N\ E$

SCHEDULE DB - PART D - SECTION 1

Counterparty Exposure for Derivative Instruments Open as of Current Statement Date

| | | | | | | valive instruments | | | | | | | |
|------------------------------------------------------|----------------------|---------------|----------|---------------|---------------|--------------------|-----------------------|-----------------|----------------|----------------|-------------------|-----------|----------------|
| 1 | | 2 | 3 | Counterpa | arty Offset | Bool | k/Adjusted Carrying \ | Value | lue Fair Value | | | | 13 |
| | | | Credit | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | |
| | | Master | Support | Fair Value of | Present Value | Contracts With | Contracts With | | | | | | |
| Description of Exchange, | | Agreement | Annex | Acceptable | of Financing | Book/Adjusted | Book/Adjusted | Exposure Net of | Contracts With | Contracts With | Exposure | Potential | Off-Balance |
| Counterparty or Central Clearing | nouse | (Y or N) | (Y or N) | Collateral | Premium | | Carrying Value <0 | | Fair Value >0 | Fair Value <0 | Net of Collateral | Exposure | Sheet Exposure |
| 01999999999 - Aggregate Sum of Exchange Tra | | XXX | XXX | XXX | | | ean jing raise e | 0 | | | 0 | 1 | |
| Bank of America, N.A. | B4TYDEB6GKMZ0031MB27 | Ŷ | Y | | | 81.954 | | | 81.954 | | 81.954 | | - |
| Barclays Bank PLC | G5GSEF7VJP5170UK5573 | Υ | Υ | | | 886,404 | | | | | 886,404 | | |
| Citibank N.A. | E570DZWZ7FF32TWEFA76 | | Y | | | | | | | | | | |
| Goldman Sachs International | W22LROWP21HZNBB6K528 | Y | Y | | | | | | | | | | |
| Morgan Stanley & Co International PLC ISDA Uncleared | 4PQUHN3JPFGFNF3BB653 | Y | Y | | | | | | | | | | |
| MORGAN STANLEYCBO | 4PQUHN3JPFGFNF3BB653 | Ү | Y | | | | | 1,905,978 | 1,905,978 | | 1,905,978 | | |
| Royal Bank of Canada | ES71P3U3RHIGC71XBU11 | Y | Y | | | | | | | | | | |
| Societe General | 02RNE81BXP4R0TD8PU41 | Y | Y | | | | | | | | | | |
| Wells Fargo Bank, N.A. | KB1H1DSPRFMYMCUFXT09 | Y | Y | | | | | | | | | | |
| 02999999999. Total NAIC 1 Designation | | | | 1,115,546 | 0 | 5,006,122 | 0 | 3,890,576 | 5,006,122 | 0 | 3,890,576 | 0 |) 0 |
| 08999999999. Aggregate Sum of Central Clearing | ighouses (Excluding | Exchange Trac | ded) | | | | | 0 | | | 0 | | |
| | | | | | | | | | | | | | |
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| | | | | | | | + | | | | 1 | | |
| | | | •••••• | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 09999999999 - Gross Totals | | | | 1,115,546 | C | 5,006,122 | 0 | 3,890,576 | 5,006,122 | 0 | 3,890,576 | C |) 0 |
| 1. Offset per SSAP No. 64 | | | | | | | | | | | | | |
| 2. Net after right of offset per SSAP No. 64 | | | | | | 5,006,122 | 0 | 1 | | | | | |
| | | | | | | | • | | | | | | |

SCHEDULE DB - PART D - SECTION 2

Collateral for Derivative Instruments Open as of Current Statement Date

Collateral Pledged by Reporting Entity

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|----------------------------------------------------|-----------------------|----------------|-------------|------------|-----------|---------------------------|----------|-------------------|
| | | | | | | Book/Adjusted Carrying | | Type of Margin |
| Exchange, Counterparty or Central Clearinghouse | | CUSIP | | | | | Maturity | Margin |
| or Central Clearinghouse | Type of Asset Pledged | Identification | Description | Fair Value | Par Value | Value | Date | (I, V or IV) |
| | | | | | | | | |
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| | | | | | | | | |
| 0199999999 - Total | | | | | | | XXX | XXX |

Collateral Pledged to Reporting Entity

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|----------------------------------------------------|-----------------------|----------------|-----------------|------------|-----------|---------------|----------|-------------|
| | | | | | | Book/Adjusted | | Type of |
| Exchange, Counterparty or Central Clearinghouse | | CUSIP | | | | Carrying | Maturity | Margin |
| or Central Clearinghouse | Type of Asset Pledged | Identification | Description | Fair Value | Par Value | Value | Date | (I, V or IV |
| Citibank NA | Cash | | Cash Collateral | | | | | V |
| Morgan Stanley & Co International PLC | Cash | | Cash Collateral | | | XXX | | V |
| Royal Bank of Canada | Cash | | Cash Collateral | | | XXX | | V |
| Societe Generale | Cash | | Cash Collateral | | | XXX | | V |
| Wells Fargo Bank NA | Cash | | Cash Collateral | | | XXX | | V |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 0299999999 - Total | | | | 1,115,546 | 1,115,546 | XXX | XXX | XXX |

Schedule DB - Part E - Derivatives Hedging Variable Annuity Guarantees **NONE**

Schedule DL - Part 1 - Reinvested Collateral Assets Owned **NONE**

Schedule DL - Part 2 - Reinvested Collateral Assets Owned **NONE**

| SCH | IED | ULE | E E - PA | RT 1 - C | ASH | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------------------------------------|---------------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|----------------------|
| | | Month | End Depository | Balances | | | | |
| 1 | 2 | 3 | 4 | 5 | Book Ba Di | | 9 | |
| | | Rate of | Amount of Interest Received During Current | Amount of Interest Accrued at Current | 6 | 7 | 8 | |
| Depository | Code | Interest | Quarter | Statement Date | First Month | Second Month | Third Month | * |
| PNC Bank Pittsburgh, PA Morgan Stanley Bank of New York Mellon New York, NY | | 0.000 | | | 1,139,226 11,994,975 1,215,435 | 1,351,144 11,994,975 2,373,001 | 2,807,584 5,997,487 1,614,937 | XXX. XXX. XXX. |
| 0199998. Deposits in depositories that do not exceed the allowable limit in any one depository (See instructions) - Open Depositories | xxx | | | | | 2,070,001 | | |
| 0199999. Totals - Open Depositories | XXX | XXX | 0 | 0 | 14.349.636 | 15.719.120 | 10.420.008 | XXX |
| 0299998. Deposits in depositories that do not exceed the allowable limit in any one depository (See instructions) - Suspended Depositories | xxx | xxx | | | | | | xxx |
| 0299999. Totals - Suspended Depositories | XXX | XXX | 0 | 0 | 0 | 0 | 0 | XXX |
| 0399999. Total Cash on Deposit | XXX | XXX | 0 | 0 | 14,349,636 | 15,719,120 | 10,420,008 | XXX |
| 0499999. Cash in Company's Office | | | | | | | | XXX |
| 0599999. Total - Cash | XXX | XXX | 0 | 0 | 14,349,636 | 15,719,120 | 10,420,008 | XXX |

SCHEDULE E - PART 2 - CASH EQUIVALENTS

Show Investments Owned End of Current Quarter

| 1 | 2 | 3 | 4 | 5 | 6 | 7 Book/Adjusted | 8 Amount of Interest | 9 Amount Received |
|-----------------|------------------------------------------------------------------------------------|------|---------------|------------------|---------------|--------------------|-------------------------|----------------------|
| CUSIP | Description | Code | Date Acquired | Rate of Interest | Maturity Date | Carrying Value | Due and Accrued | During Year |
| 01099999999. To | otal - U.S. Government Bonds | | • | | 1 | 0 | 0 | U C |
| 0309999999 To | tal - All Other Government Bonds | | | | | 0 | | (|
| | otal - U.S. States. Territories and Possessions Bonds | | | | | Ű | 0 | |
| | tal - U.S. Political Subdivisions Bonds | | | | | 0 | 0 | |
| | tal - U.S. Special Revenues Bonds | | | | | 0 | 0 | |
| | AGILENT TECHNOLOGIES INC COMPERCIAL PAPE | | 06/28/2022 | 0.000 | 07/05/2022 | 4.998.967 | 0 | 775 |
| | VALLENT TECHNOLOGIES INC COMMERCIAL PARE | | 06/28/2022 | 0.000 | 07/28/2022 | 4,998,987 | | |
| | AMEEN COP COMERCIAL PAPEN | | | | | 4,997,845 | 0 | |
| | MERICAN ELECTRIC POWER CO. INC. COMMERCIA | | 06/24/2022 | 0.000 | .07/20/2022 | 4.994.667 | 0 | 1,962 |
| | AUTOZONE INC COMMERCIAL PAPER | | | 0.000 | 07/08/2022 | 4,998,201 | 0 | 2.055 |
| D | DENTSPLY SIRONA INC COMMERCIAL PAPER | | 06/21/2022 | 0.000 | | 1,999,555 | 0 | |
| D | DENTSPLY SIRONA INC COMMERCIAL PAPER | | | 0.000 | 07/12/2022 | | 0 | |
| | DOLLAR GENERAL CORP COMMERCIAL PAPER | | | 0.000 | 07/07/2022 | | 0 | |
| | EVERGY KANSAS CENTRAL INC COMMERCIAL PAP | | | 0.000 | 07/06/2022 | 4,998,701 | 0 | |
| | GENERAL MILLS INC COMMERCIAL PAPER | | | 0.000 | 07/14/2022 | | 0 | 2,110 |
| | NCHAWK INDUSTRIES INC COMMERCIAL PAPER | | | 0.000 | | | 0 | |
| | DGE ENERGY CORP COMMERCIAL PAPER | | | 0.000 | 07/13/2022 | | | |
| | RELA TING COMMERCIAL PAPER | | | 0.000 | | 4,998,708 | U | 4,63 |
| | SHERWIN-WILLIAMS CO/THE COMMERCIAL PAPER | | | 0.000 | | 2,999,566 | | 3,03 |
| | STEPTING THE FAILS OF THE CONTENT OF A PAPER | | | 0.000 | | 4,996,748 | | 2,436 |
| | TARPA ELECTRIC CO COMERCIAL PAPER | | 06/27/2022 | 0.000 | .07/14/2022 | 4.996.388 | 0 | |
| V | VF CORP COMMERCIAL PAPER | | | | | 4,996,833 | | |
| | NPP CP LLC COMMERCIAL PAPER | | | 0.000 | | .4,997,290 | 0 | |
| S | SUNCOR ENERGY INC COMMERCIAL PAPER | | 06/21/2022 | 0.000 | 07/21/2022 | | 0 | |
| | THOMSON REUTERS CORP COMMERCIAL PAPER | | | 0.000 | 07/20/2022 | | 0 | |
| | EXPERIAN FINANCE PLC COMMERCIAL PAPER | | | 0.000 | | | 0 | |
| | ubtotal - Bonds - Industrial and Miscellaneous (Unaffiliated) - Issuer Obligations | | | | | 97,690,609 | 0 | 37,870 |
| | otal - Industrial and Miscellaneous (Unaffiliated) Bonds | | | | | 97,690,609 | 0 | 37,870 |
| 1309999999. To | otal - Hybrid Securities | | | | | 0 | 0 | 0 |
| 1509999999. To | otal - Parent, Subsidiaries and Affiliates Bonds | | | | | 0 | 0 | (|
| | ubtotal - Unaffiliated Bank Loans | | | | | 0 | 0 | |
| | otal - Issuer Obligations | | | | | 97.690.609 | 0 | 37,87 |
| | otal - Residential Mortgage-Backed Securities | | | | | 01,000,000 | 0 | 01,01 |
| | tal - Commercial Mortgage-Backed Securities | | | | | 0 | 0 | |
| | | | | | | 0 | 0 | |
| | otal - Other Loan-Backed and Structured Securities | | | | | 0 | 0 | |
| | tal - SVO Identified Funds | | | | | 0 | 0 | |
| | otal - Affiliated Bank Loans | | | | | 0 | 0 | |
| 2479999999. To | otal - Unaffiliated Bank Loans | | | | | 0 | 0 | |
| 2509999999. To | otal Bonds | | | | | 97.690.609 | 0 | 37,87 |
| | LACKROX LIQUIDITY FUND-EXEMPT MONEY MA | | 06/30/2022 | 1.340 | | 2,000,000 | 0 | 01,01 |
| | ubtotal - Exempt Money Market Mutual Funds - as Identified by the SVO | | | | | 2,000,000 | 0 | (|
| | otal Cash Equivalents | | | | | 99,690,609 | 0 | 37,870 |