

**HANOVER INSURANCE
OPERATIONS**

(Consisting of wholly-owned subsidiaries of
Opus Investment Management, Inc.)

Combined Statutory Financial Statements
and Supplemental Information

December 31, 2022 and 2021



Report of Independent Auditors

To the Board of Directors of
The Hanover Insurance Company
Massachusetts Bay Insurance Company
The Hanover American Insurance Company
The Hanover Casualty Company
Hanover New Jersey Insurance Company
Allmerica Financial Alliance Insurance Company
Allmerica Financial Benefit Insurance Company
Citizens Insurance Company of Illinois
Verlan Fire Insurance Company
The Hanover National Insurance Company
Nova Casualty Company
AIX Specialty Insurance Company
Campmed Casualty & Indemnity Company, Inc.
(Collectively the "Hanover Insurance Operations")

Opinions

We have audited the accompanying combined statutory financial statements of Hanover Insurance Operations (the "Company"), which comprise the combined statutory statements of admitted assets, liabilities and capital stock and surplus as of December 31, 2022 and 2021, and the related combined statutory statements of income and changes in capital stock and surplus, and of cash flows for the years then ended, including the related notes (collectively referred to as the "combined financial statements").

Unmodified Opinion on Statutory Basis of Accounting

In our opinion, the accompanying combined financial statements present fairly, in all material respects, the admitted assets, liabilities and capital stock and surplus of the Company as of December 31, 2022 and 2021, and the results of its operations and its cash flows for the years then ended, in accordance with the accounting practices prescribed or permitted by the insurance regulators of the respective states of domicile of the entities comprising the Company described in Note 2.

Adverse Opinion on U.S. Generally Accepted Accounting Principles

In our opinion, because of the significance of the matter discussed in the Basis for Adverse Opinion on U.S. Generally Accepted Accounting Principles section of our report, the accompanying combined financial statements do not present fairly, in accordance with accounting principles generally accepted in the United States of America, the financial position of the Company as of December 31, 2022 and 2021, or the results of its operations or its cash flows for the years then ended.

Basis for Opinions

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (US GAAS). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Combined Financial Statements section of our report. We are required to be independent of the Company and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We



believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Basis for Adverse Opinion on U.S. Generally Accepted Accounting Principles

As described in Note 2 to the combined financial statements, the combined financial statements are prepared by the Company on the basis of the accounting practices prescribed or permitted by the insurance regulators of the respective states of domicile of the entities comprising the Company, which is a basis of accounting other than accounting principles generally accepted in the United States of America.

The effects on the combined financial statements of the variances between the statutory basis of accounting described in Note 2 and accounting principles generally accepted in the United States of America are material.

Responsibilities of Management for the Combined Financial Statements

Management is responsible for the preparation and fair presentation of the combined financial statements in accordance with the accounting practices prescribed or permitted by the insurance regulators of the respective states of domicile of the entities comprising the Company. Management is also responsible for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of combined financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the combined financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Company's ability to continue as a going concern for one year after the date the combined financial statements are available to be issued.

Auditors' Responsibilities for the Audit of the Combined Financial Statements

Our objectives are to obtain reasonable assurance about whether the combined financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with US GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the combined financial statements.

In performing an audit in accordance with US GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the combined financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the combined financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control. Accordingly, no such opinion is expressed.



- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the combined financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Company's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Supplemental Information

Our audit was conducted for the purpose of forming an opinion on the combined financial statements taken as a whole. The supplemental schedule of reinsurance disclosures, summary investment schedule, and investment risk interrogatories (collectively referred to as the "supplemental schedules") of the Company as of December 31, 2022 and for the year then ended are presented to comply with the National Association of Insurance Commissioners' Annual Statement Instructions and Accounting Practices and Procedures Manual and for purposes of additional analysis and are not a required part of the combined financial statements.

The combining information as of and for the years ended December 31, 2022 and 2021 is presented for purposes of additional analysis of the combined financial statements rather than to present the financial position, results of operations and cash flows of the individual companies and is not a required part of the combined financial statements. Accordingly, we do not express an opinion on the financial position, results of operations and cash flows of the individual companies.

The supplemental schedules and combining information are the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the combined financial statements. The supplemental schedules and combining information have been subjected to the auditing procedures applied in the audit of the combined financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the combined financial statements or to the combined financial statements themselves and other additional procedures, in accordance with auditing standards generally accepted in the United States of America. In our opinion, the supplemental schedules and combining information are fairly stated, in all material respects, in relation to the combined financial statements taken as a whole.

PricewaterhouseCoopers LLP

Boston, Massachusetts
May 26, 2023

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Combined Statutory Statements of Admitted Assets,
Liabilities and Capital Stock and Surplus

(In thousands)

| | December 31, | |
|--|---------------------|--------------|
| Admitted Assets | 2022 | 2021 |
| Investments: | | |
| Bonds, at carrying value (NAIC fair value of \$6,042,853 and \$6,131,918) | \$ 6,688,185 | \$ 5,956,999 |
| Preferred stocks, at statement value (NAIC fair value of \$11,245 and \$13,328) | 11,245 | 13,328 |
| Common stocks | 175,644 | 485,963 |
| Investments in common stock of subsidiaries | 849,014 | 876,747 |
| Mortgage loans | 182,595 | 178,007 |
| Real Estate | 41,481 | 43,164 |
| Other invested assets | 519,996 | 511,093 |
| Cash and short-term investments | (6,223) | (16,648) |
| Receivable for securities | 1,541 | 12,672 |
| Total cash and investments | 8,463,478 | 8,061,325 |
| Accrued investment income | 44,901 | 40,209 |
| Premiums receivable | 1,340,095 | 1,204,357 |
| Reinsurance recoverable on paid losses | 62,726 | 54,537 |
| Deposits with and equity in underwriting associations | 42,707 | 37,642 |
| Net deferred tax asset | 176,535 | 129,103 |
| Federal and foreign income tax recoverable | 21,648 | - |
| Receivables from parent, subsidiaries and affiliates | 678 | 1,184 |
| Notes receivable from affiliates (Note 8) | 126,757 | 126,757 |
| Other assets | 48,819 | 43,356 |
| Total admitted assets | \$ 10,328,344 | \$ 9,698,470 |
| Liabilities and Capital Stock and Surplus | | |
| Liabilities: | | |
| Reserve for losses and loss adjustment expenses | \$ 4,830,239 | \$ 4,360,371 |
| Unearned premiums | 2,297,094 | 2,084,307 |
| Ceded reinsurance premiums payable | 66,544 | 50,117 |
| Payable to parent, subsidiaries and affiliates | 23,206 | 36,379 |
| Commissions payable | 145,677 | 133,896 |
| Funds held under reinsurance treaties | 1,773 | 1,685 |
| General expenses payable | 144,501 | 173,425 |
| Payable for securities | 29,836 | 32,327 |
| Federal and foreign income tax payable | - | 14,970 |
| Other liabilities | 99,120 | 90,998 |
| Total liabilities | 7,637,990 | 6,978,475 |
| Commitments and contingencies (Note 11) | | |
| Capital stock and surplus: (Note 12) | | |
| Capital stock | 6,500 | 6,500 |
| Additional paid in capital | 150,231 | 149,231 |
| Unassigned surplus | 2,533,623 | 2,564,264 |
| Total capital stock and surplus | 2,690,354 | 2,719,995 |
| Total liabilities and capital stock and surplus | \$ 10,328,344 | \$ 9,698,470 |

The accompanying notes are an integral part of these combined statutory financial statements.

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Hanover Combined
Combined Statutory Statements of Income

| (In thousands) | For the years ended December 31, | |
|---|---|--------------|
| | 2022 | 2021 |
| Underwriting: | | |
| Net premiums written | \$ 4,490,659 | \$ 4,035,499 |
| Increase in unearned premiums | (212,787) | (190,367) |
| Net premiums earned | 4,277,872 | 3,845,132 |
| Losses incurred | 2,399,080 | 2,006,125 |
| Loss adjustment expenses incurred | 513,407 | 479,192 |
| Underwriting expenses incurred | 1,456,456 | 1,334,433 |
| Net underwriting (loss) gain | (91,071) | 25,382 |
| Net investment income | 311,743 | 342,296 |
| Net realized gains on investments, net of taxes | 36,275 | 11,472 |
| Policyholder dividend expense | (3,655) | (3,289) |
| Other income, net | 13,300 | 9,506 |
| Income before federal income tax expense | 266,592 | 385,367 |
| Federal income tax expense | 37,530 | 66,565 |
| Net income | \$ 229,062 | \$ 318,802 |

The accompanying notes are an integral part of these combined statutory financial statements.

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Hanover Combined
Combined Statutory Statements of Changes in Capital Stock and Surplus

| (In thousands) | For the years ended | |
|--|----------------------------|--------------|
| | December 31, | |
| | 2022 | 2021 |
| Balance at beginning of year | \$ 2,719,995 | \$ 2,588,510 |
| Net income | 229,062 | 318,802 |
| Change in unrealized (losses) gains on investments, net of tax | (175,526) | 59,096 |
| Change in net deferred income taxes | 12,353 | 6,282 |
| Change in non-admitted assets | 4,552 | 6,530 |
| Change in provision for unauthorized reinsurance | (130) | 466 |
| Paid in surplus | 1,000 | 1,000 |
| Dividends to stockholder | (100,000) | (255,000) |
| Pensions, net of tax and amounts allocated to affiliates | (952) | (5,691) |
| Balance at end of year | \$ 2,690,354 | \$ 2,719,995 |

The accompanying notes are an integral part of these combined statutory financial statements.

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Hanover Combined
Combined Statutory Statements of Cash Flows

**For the years ended
December 31,**

| (In thousands) | 2022 | 2021 |
|---|--------------|--------------|
| Cash provided: | | |
| From operations: | | |
| Premiums collected, net | \$ 4,377,282 | \$ 3,988,840 |
| Investment income received, net | 279,936 | 274,675 |
| Miscellaneous income | 6,585 | 6,984 |
| Loss related payments | (2,018,248) | (1,687,230) |
| Expenses paid | (1,897,941) | (1,767,386) |
| Dividends to policyholders | (2,719) | (2,951) |
| Federal income taxes paid | (96,074) | (64,226) |
| Net cash provided by operations | 648,821 | 748,706 |
| From investments: | | |
| From investments sold, matured or repaid: | | |
| Proceeds from bonds | 793,743 | 1,130,009 |
| Proceeds from common and preferred stocks | 298,667 | 58,775 |
| Proceeds from mortgage loans | 5,386 | 175 |
| Other invested assets | 82,245 | 151,534 |
| Net losses on cash, cash equivalents and short-term investments | (5) | - |
| Miscellaneous proceeds | 8,639 | - |
| Total investment proceeds | 1,188,675 | 1,340,493 |
| Cost of investments acquired: | | |
| Bonds | 1,628,341 | 1,778,185 |
| Common and preferred stocks | 71,128 | 66,970 |
| Mortgage loans | 9,990 | 62,049 |
| Real Estate | 2,492 | 2,808 |
| Other invested assets | 95,276 | 68,933 |
| Miscellaneous applications | - | (25,333) |
| Total investment acquired | 1,807,227 | 1,953,612 |
| Net cash used in investments | (618,552) | (613,119) |
| From financing and miscellaneous sources: | | |
| Capital and paid in surplus | 1,000 | 1,000 |
| Dividends to stockholder | (1,161) | (88,994) |
| Other, net | (19,683) | (21,829) |
| Net cash used in financing and miscellaneous sources | (19,844) | (109,823) |
| Net change in cash and short-term investments | 10,425 | 25,764 |
| Cash and short-term investments at beginning of year | (16,648) | (42,412) |
| Cash and short-term investments at end of year | \$ (6,223) | \$ (16,648) |

See Note 3 and Note 8 for related party non-cash transactions.

The accompanying notes are an integral part of these combined statutory financial statements.

HANOVER INSURANCE OPERATIONS

(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

(1) Company Organization

a) Organization

The combined statutory financial statements for Hanover Insurance Operations (“the Company”) include the accounts of The Hanover Insurance Company (“Hanover”), the Massachusetts Bay Insurance Company (“Mass Bay”), The Hanover American Insurance Company (“Hanover American”), The Hanover New Jersey Insurance Company (“Hanover NJ”), Allmerica Financial Alliance Insurance Company (“AFAIC”), Verlan Fire Insurance Company (“Verlan”), The Hanover National Insurance Company (“National”), and Campmed Casualty & Indemnity Company, Inc. (“Campmed”), which are New Hampshire corporations, The Hanover Casualty Company (“Hanover Casualty”), a Texas corporation, Allmerica Financial Benefit Insurance Company (“AFBIC”), a Michigan corporation, Citizens Insurance Company of Illinois (“CICI”), an Illinois corporation, Nova Casualty Company (“Nova”), a New York corporation, and AIX Specialty Insurance Company (“ASIC”), a Delaware corporation. Hanover is a wholly-owned subsidiary of Opus Investment Management, Inc. (“Opus”), a non-insurance holding and asset management company, which in turn is a wholly-owned subsidiary of The Hanover Insurance Group, Inc. (“THG”), a publicly traded company incorporated in the State of Delaware. The financial statements are prepared on a combined basis because these insurance companies are part of a group of insurers that utilize 100% reinsurance agreements. Hanover assumes 100% of the underwriting activities for all the insurance companies included in these combined statutory financial statements. All significant inter-company transactions and balances of the combined entities have been eliminated.

Hanover owns 100% of the common stock of Mass Bay, Hanover American, Hanover Casualty, Hanover NJ, AFAIC, AFBIC, Verlan, National, Campmed, Allmerica Plus Insurance Agency, Inc. (“APIA”), Citizens Insurance Company of America (“CICA”), Citizens Insurance Company of Ohio (“CICO”), Citizens Insurance Company of the Midwest (“CICM”), Professionals Direct, Inc. (“PDI”), The Hanover Atlantic Insurance Company, Ltd. (“Hanover Atlantic”), a Bermuda company. CICI is also a wholly-owned subsidiary of OPUS.

On December 15, 2021, Hanover entered into a Stock Purchase Agreement, later amended by the Assignment and Amendment of Stock Purchase Agreement, dated as of November 21, 2022, and the Side Letter, dated December 16, 2022, (collectively the “Stock Purchase Agreement”) with XLNT Holdco Inc. (“XLNT”), a Utah domiciled holding company pursuant to which Hanover agreed to sell all of the outstanding capital stock of Hanover NJ to XLNT, subject to the parties obtaining regulatory approvals and the satisfaction of the other customary closing conditions set forth in the Stock Purchase Agreement. The closing of the transaction occurred on February 9, 2023. Pursuant to an amendment to the existing reinsurance agreement between Hanover NJ and Hanover effective at closing, Hanover NJ’s underwriting liabilities on policies issued prior to the date of closing continue to be ceded 100% to Hanover. In addition, Hanover NJ, Hanover and XLNT entered into an Assumption and Administration Agreement, also effective as of the date of closing. Pursuant to the Assumption and Administration Agreement, Hanover agreed to administer Hanover NJ’s policies issued prior to the date of closing, among other things. Prior to the closing, Hanover NJ, Hanover and XLNT have obtained all the requisite approvals for these transactions from the state of New Hampshire Insurance Department. This transaction did not have a material effect on Hanover’s surplus or results of operations.

b) Business

The Company is licensed to conduct business in each of the fifty states and the District of Columbia. The Company is a multi-line carrier underwriting personal and commercial property and casualty coverages primarily through independent agents. The personal segment principally includes personal automobile and homeowners' coverage. The commercial segment principally includes commercial multiple peril, commercial automobile, workers' compensation, inland marine, management and professional liability, surety and other property and liability coverages. Hanover reinsured 100% of the business written by Mass Bay, Hanover American, Hanover Casualty, Hanover NJ, AFAIC, AFBIC, CICI, National, Verlan, ASIC, Nova, Campmed, and Hanover Atlantic in 2022 and 2021.

HANOVER INSURANCE OPERATIONS

(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

(2) Summary of Significant Accounting Policies

The financial statements of the Company are presented on the basis of accounting practices prescribed or permitted by the State of New Hampshire Insurance Department, as it relates to Hanover, Mass Bay, American, Hanover NJ, AFAIC, Verlan, National, and Campmed, the State of Texas Department of Insurance, as it relates to Hanover Casualty, the State of Michigan Department of Insurance and Financial Services, as it relates to AFBIC, the State of Illinois Division of Insurance, as it relates to CICI, the New York Insurance Department, as it relates to Nova, and the State of Delaware Department of Insurance, as it relates to ASIC. The accounting practices are a comprehensive basis of accounting other than accounting principles generally accepted in the United States of America (“GAAP”).

The Company obtained approvals from the state departments of insurance for the presentation and filing of combined statutory financial statements for the years ending December 31, 2022 and 2021 in lieu of separate audited financial statements.

The State of New Hampshire Insurance Department, the State of Texas Department of Insurance, the State of Michigan Department of Insurance and Financial Services, the State of Illinois Division of Insurance, the State of New York Insurance Department, and the State of Delaware Department of Insurance recognize only statutory accounting practices prescribed or permitted by the states of New Hampshire, Texas, Michigan, Illinois, New York, and Delaware, respectively, for determining and reporting the financial condition and results of operations of an insurance company and for determining its solvency under the New Hampshire, Texas, Michigan, Illinois, New York, and Delaware Insurance Law. The National Association of Insurance Commissioners’ (“NAIC”) *“Accounting Practices and Procedures Manual”*, (“NAIC SAP”) has been adopted as a component of prescribed or permitted practices by the States of New Hampshire, Texas, Michigan, Illinois, New York, and Delaware. There are no material differences between the Company’s combined statutory financial statements prepared in accordance with NAIC SAP and the statutory accounting practices prescribed by the respective state departments of insurance which would require disclosure in the Notes to the Combined Statutory Financial Statements.

The major differences between NAIC SAP and GAAP accounting are the treatment of deferrable acquisition costs, valuation rules for investments, deferred taxes, investments in subsidiaries, and goodwill. Additionally, certain assets, such as internally developed software, prepaid expenses, and past due receivables, are allowed for GAAP purposes, but are not admissible under NAIC SAP. Deferrable acquisition costs under GAAP are capitalized and amortized as the related premium revenue is recognized, while the same costs are charged to operations immediately with statutory accounting. Deferred income taxes, although reflected in both GAAP and statutory accounting, can have differences resulting from the effects of other adjustments between accounting methods. For statutory accounting, deferred taxes are subject to admissibility tests. Other miscellaneous adjustments can exist with the treatment of pensions and other employee benefit plans, policyholder dividends, and contingencies. Under GAAP, investments in subsidiaries include the effects of purchase accounting (e.g., goodwill) resulting from the acquisition of the subsidiary (push-down accounting); push-down accounting is not permitted for statutory accounting purposes. Investments in subsidiaries can also have differences resulting from the effects of the aforementioned differences between NAIC SAP and GAAP.

The preparation of financial statements in conformity with NAIC SAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities. It also requires disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenue and expenses during the period. Actual results could differ from those estimates.

HANOVER INSURANCE OPERATIONS

(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

a) GAAP to SAP Reconciliation

The following is a reconciliation of equity as determined in accordance with GAAP to surplus on a statutory basis as reported to regulatory authorities (in thousands) as of December 31:

| | <u>2022</u> | <u>2021</u> |
|---------------------------------------|---------------------|---------------------|
| Equity, GAAP | \$ 2,883,631 | \$ 3,649,558 |
| Valuation of investments | 491,957 | (144,544) |
| Deferred income taxes | 146,858 | 133,044 |
| Deferred acquisition costs | (527,898) | (476,006) |
| Investment in subsidiaries | (169,915) | (310,790) |
| Non-admitted assets | (158,691) | (163,236) |
| Intercompany restricted stock/pension | 15,004 | 14,901 |
| Other | 9,408 | 17,068 |
| Surplus, statutory | <u>\$ 2,690,354</u> | <u>\$ 2,719,995</u> |

The following is a reconciliation of net income as determined in accordance with GAAP to net income on a statutory basis as reported to regulatory authorities (in thousands) as of December 31:

| | <u>2022</u> | <u>2021</u> |
|---|-------------------|-------------------|
| Net income, GAAP | \$ 90,059 | \$ 466,477 |
| Net investment income | 38,623 | 6,463 |
| Net realized and unrealized investment gains and losses | 96,294 | (84,580) |
| Deferred acquisition costs | (51,366) | (59,419) |
| Other | 55,452 | (10,139) |
| Net income, statutory | <u>\$ 229,062</u> | <u>\$ 318,802</u> |

b) Premium Revenue

Premiums are recognized as earned using the daily pro rata method over the term of the policy. Unearned premiums represent the portion of premiums written that relate to the unexpired term of the policies in force. Premiums collected before the effective date of the underlying policies are recorded as a liability on the Combined Statutory Statements of Admitted Assets, Liabilities and Capital Stock and Surplus and are not included in premiums written or unearned premiums.

c) Deferred Acquisition Costs

Deferred acquisition costs consist of commissions, underwriting costs and other costs, which vary with, and are primarily related to, the successful production of premiums. These expenses are charged to current operations as incurred and are included in underwriting expenses in the Statutory Statements of Income. Under GAAP, deferred acquisition costs are deferred and amortized over the terms of the insurance policies.

HANOVER INSURANCE OPERATIONS

(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

d) Non-Admitted Assets

Non-admitted assets are assets owned by the Company which are not recognized for solvency purposes under NAIC SAP and include primarily electronic data processing (“EDP”) equipment and software, prepaid and intangible assets, agents balances or uncollected premiums over 90 days past due, furniture and equipment, and deferred tax assets. These assets are excluded from the balance sheet and are charged directly to surplus. Under GAAP, these assets are included on the balance sheet. Non-admitted assets totaled \$158.7 million and \$163.2 million at December 31, 2022 and 2021, respectively. Non-admitted assets included EDP equipment and non-operating software of \$77.9 million and \$77.6 million, prepaid, intangible, and other assets of \$45.3 million and \$53.0 million, agents’ balances over 90 days of \$24.0 million and \$25.2 million, furniture and equipment of \$10.1 million and \$6.6 million, investment in subsidiaries of \$0.9 million and \$0.8 million, and deferred tax assets of \$0.5 million and \$0 at December 31, 2022 and 2021, respectively.

e) EDP Equipment and Software

EDP equipment and operating software are admitted assets, subject to certain limitations, while nonoperating system software is a non-admitted asset. Under GAAP, EDP equipment and operating and nonoperating software are included in the balance sheet. EDP equipment and operating software are depreciated using a straight-line method over a three-year period. Amortization expense totaled \$23.1 million and \$21.9 million for 2022 and 2021, respectively.

For the years ended December 31, 2022 and 2021, EDP equipment and software consisted of the following components (in thousands):

| | <u>2022</u> | <u>2021</u> |
|-------------------------------|-----------------|-----------------|
| Internally developed software | \$ 77,290 | \$ 75,539 |
| Equipment | 7,009 | 5,986 |
| Software | <u>630</u> | <u>2,042</u> |
| Gross assets | 84,929 | 83,567 |
| Less non-admitted assets | <u>(77,920)</u> | <u>(77,581)</u> |
| Net admitted assets | <u>\$ 7,009</u> | <u>\$ 5,986</u> |

f) Reinsurance Recoverable on Unpaid Losses and Prepaid Ceded Premiums

Reinsurance recoverable on unpaid losses and prepaid premiums on ceded reinsurance are netted against reserves for losses and unearned premiums, respectively. Under GAAP, reinsurance recoverable on unpaid losses and prepaid ceded premiums are shown as assets.

g) Reserve for Losses and Loss Adjustment Expenses

The reserve for losses and loss adjustment expenses (“LAE”) represents the accumulation of individual case estimates for reported losses and actuarial estimates for incurred but not reported (“IBNR”) losses and LAE. Assumed reserves are recorded as reported by the ceding organization. The reserve for losses and LAE is intended to cover the ultimate net cost of losses and LAE incurred through the balance sheet date.

Management has recorded its best estimate of its liabilities for unpaid claims, unpaid losses and LAE. Because the ultimate settlement of claims is subject to future events, no single claim or loss and loss adjustment expense reserve can be considered accurate with certainty.

In establishing these reserves, consideration is given to both current conditions and trends as well as past Company and industry experience. The reserve is stated net of reinsurance ceded and anticipated salvage and subrogation recoverable. Salvage and subrogation recoverable was \$113.7 million and \$94.2 million at December 31, 2022 and 2021, respectively. The reserve estimates are continually reviewed and updated. Any

HANOVER INSURANCE OPERATIONS

(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

adjustments that are made to the reserves are included in the results of operations in the period in which the estimates are revised. The ultimate liability for claims may vary from the current estimate.

There were no significant changes in the methodologies and assumptions used in calculating the liability for unpaid losses and LAE.

h) Investment in Subsidiaries

The Company's investments in domestic insurance subsidiaries that are not included in these combined statutory financial statements are stated at statutory surplus. Investments in non-insurance and foreign insurance entities are recorded based on the entities' audited GAAP equity, adjusted to a statutory basis, if required. The change in the carrying value of the investments is recorded directly to unassigned surplus.

Purchased goodwill has been included as a component of investment in common stock of subsidiaries in the Company's December 31, 2022 and 2021 Combined Statutory Statements of Admitted Assets, Liabilities and Capital Stock and Surplus. Under GAAP, goodwill is not amortized but rather, is reviewed for impairment.

i) Participation in Underwriting Associations

Deposits with and equity in underwriting associations represent the Company's proportionate share of the assets and amounts on deposit with certain underwriting associations in which it participates. The Company's proportionate share of premiums, losses, LAE and other related income statement accounts of such underwriting associations is included in the respective accounts in the accompanying Combined Statutory Statements of Income.

j) Investments

Investments are stated at values in accordance with the "Purposes and Procedures ("P&P") Manual of the NAIC Investment Analysis Office". Bonds not backed by loans are stated at either amortized cost, using the scientific interest method, or fair value. As of December 31, 2022, preferred stocks are carried at fair value, not to exceed effective call price. As of December 31, 2021, preferred stocks are carried at the lower of book value or fair value depending on NAIC rating. Unaffiliated common stocks are carried at fair value, except for Federal Home Loan Bank ("FHLB") capital stock, which is carried at par. Investments in stocks of unconsolidated subsidiaries and affiliates in which the Company has an interest of 10% or more are carried using the equity method. The changes in unrealized gains and losses on those securities carried at fair value are excluded from earnings and reported as a separate component of surplus until realized. Under GAAP, changes in fair value of equity securities and limited partnerships are reported in net income.

Loan-backed securities are stated at either amortized cost or fair value, in accordance with the P&P Manual of the NAIC Investment Analysis Office. Prepayment assumptions for loan-backed bonds and structured securities were obtained from prepayment models that are sensitive to refinancing, turnover, equity take-out and other relevant factors. These assumptions are consistent with the current interest rate and economic environment. The retrospective adjustment method is used to value all high quality securities, and the prospective adjustment is used for those deemed lower quality or credit sensitive securities. The Company held no lower quality, credit sensitive securities.

Mortgage loans on real estate are stated at unpaid principal balances, net of unamortized discounts, premiums, and other adjustments. Mortgage loans are reduced for losses expected by management to be realized on transfers of mortgage loans to real estate (upon foreclosure), on the disposition or settlement of mortgage loans, and on mortgage loans which the Company believes may not be collectible in full. In determining the amount of the loss, management considers, among other things, the estimated fair value of the underlying collateral.

Bonds and mortgage loans that are delinquent are placed on non-accrual status, and thereafter, interest income is recognized only when cash payments are received.

HANOVER INSURANCE OPERATIONS

(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

Other invested assets, including investments in trusts, are recorded using the equity method in accordance with Statement of Statutory Accounting Principles (“SSAP”) No. 48, “Joint Ventures, Partnerships and Limited Liability Companies” (“SSAP No. 48”). Investments in affiliated entities are recorded based on its underlying audited GAAP equity balances in accordance with SSAP No. 97, “Investments in Subsidiary, Controlled, and Affiliated Entities, A Replacement of SSAP 88” (“SSAP No. 97”). Commercial mortgage loan participations are recorded at outstanding principal balance of the loan per SSAP No. 21, “Other Admitted Assets”.

Home office real estate, held through a single member LLC, is carried at depreciated cost, in accordance with SSAP No. 40-Revised, “Real Estate Investments”. Depreciation is calculated using the straight-line method. Investment income and operating expenses include imputed rent for the Company’s occupancy of those properties.

Investment income is recognized on the accrual basis. Any investment income due and accrued, which is over 90 days past due, is excluded from surplus.

Realized gains or losses on the sale of investments, which are included in the determination of income, are determined on the specific-identification basis using amortized cost for bonds and cost for equity securities and other investments.

k) Cash and Short-term Investments

Cash and short-term investments include cash on hand, amounts due from banks, and highly liquid short-term investments. The Company considers all investments with an original maturity of one year or less to be short-term investments. Other than money market mutual funds, the Company did not have any short-term investment reported for more than one consecutive period. Short-term investments are stated at amortized cost. Balances, whether positive or negative, are reported in total assets on the Statutory Statements of Admitted Assets, Liabilities and Capital Stock and Surplus.

l) Sale, Transfer and Servicing of Financial Assets and Extinguishments of Liabilities

The Company enters into arrangements that require bonds to be held as collateral.

The Company generally does not sell and reacquire securities within thirty days of the sale date. There were no wash sale transactions involving securities with a NAIC designation of 3 or below in 2022 or 2021.

m) Financial Instruments

In the normal course of business, the Company may enter into transactions involving various types of financial instruments, including investments in bonds, stocks, mortgage loans, investment loan commitments and derivatives. These instruments involve credit risk and also may be subject to risk of loss due to interest rate fluctuation. Financial instruments that are subject to fair value disclosure requirements are carried in the financial statements at amounts that approximate fair value, unless otherwise noted in the notes to the statutory financial statements. The Company evaluates and monitors each financial instrument individually and, when appropriate, obtains collateral or other security to minimize losses.

The Company follows the provisions of SSAP No. 100, *Fair Value Measurements* (“SSAP No. 100”) which adopts, with some modifications, the guidance set forth in ASC 820, *Fair Value Measurements and Disclosures* (“ASC 820”), as it relates to financial assets and liabilities. ASC 820 provides for a standard definition of fair value to be used in new and existing pronouncements. This guidance requires disclosure of fair value information about certain financial instruments (insurance contracts, real estate, goodwill and taxes are excluded) for which it is practicable to estimate such values, whether or not these instruments are included in the balance sheet at fair value. The fair values presented for certain financial instruments are estimates which, in many cases, may differ significantly from the amounts that could be realized upon immediate liquidation.

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Notes to Combined Statutory Financial Statements

n) Income Taxes

The Company follows the provisions of SSAP No. 101, *Income Taxes* (“SSAP No. 101”) which adopts the concepts of ASC 740, *Income Taxes* (“ASC 740”) with modifications. The guidance captures changes including a tax-loss contingency model using a more-likely-than-not and reasonably estimable criterion, the deferred tax asset admissibility test has been expanded and is no longer elective, and additional language surrounding tax planning strategies has been included.

The Company’s federal income tax return is consolidated with the following affiliated companies:

| | |
|--|---|
| 440 Lincoln Street Holding Company LLC | Educators Insurance Agency, Inc. |
| AIX, Inc. | Hanover Specialty Insurance Brokers, Inc. |
| AIX Insurance Services of California, Inc. | Opus Investment Management, Inc. |
| Allmerica Plus Insurance Agency, Inc. | Professionals Direct, Inc. |
| Campania Holding Company, Inc. | The Hanover Atlantic Insurance Company Ltd. |
| Citizens Insurance Company of America | The Hanover Insurance Group, Inc. |
| Citizens Insurance Company of Ohio | VeraVest Investments, Inc. |
| Citizens Insurance Company of the Midwest | Verlan Holdings, Inc |

The Board of Directors of THG has delegated to THG management, the development and maintenance of appropriate federal income tax allocation policies and procedures, which are subject to written agreement between the companies. The federal income tax for all subsidiaries in the consolidated return of THG is calculated on a separate return basis. Any current tax liability is paid to THG. Tax benefits resulting from taxable operating losses or credits of THG’s subsidiaries are reimbursed to the subsidiary when such losses or credits can be utilized on a consolidated return basis.

The deferred tax assets are admitted based upon the expected realization of deductible temporary differences within the applicable period at the enacted tax rate. The realization of deductible temporary differences is based on the computation of future taxable income under the new tax law determined with and without the estimated reversing temporary differences.

o) Furniture, Fixtures and Equipment; Leasehold Improvements Paid by the Insurer as a Lessee; Depreciation of Property and Amortization of Leasehold Improvements

Furniture, fixtures and equipment are depreciated using a straight-line methodology over periods ranging from five to seven years depending on the asset. The depreciation expense for furniture, fixtures and equipment totaled \$3.3 million and \$2.9 million for 2022 and 2021, respectively. Leasehold improvements are depreciated using a straight-line method over the life of the lease. The depreciation expense for leasehold improvements totaled \$0.4 million and \$0.5 million for 2022 and 2021, respectively. Any balances in these asset categories are excluded from the balance sheet and are charged directly to surplus.

p) Employee Benefits

The Company follows the provisions of SSAP No. 92, *Accounting for Postretirement Benefits Other Than Pension, A Replacement of SSAP No. 14*, (“SSAP No. 92”) and SSAP No. 102, *Accounting for Pensions, A Replacement of SSAP No. 89*, (“SSAP No. 102”), which adopt with modification ASC 715, *Retirement Benefits*, (“ASC 715”) and ASC 712, *Nonretirement Postemployment Benefits*, (“ASC 712”). The primary focus is to recognize the funded status of a defined benefit plan in the balance sheet.

The Company also follows the provisions of SSAP No. 104, *Share-Based Payments-Revised*, (“SSAP No. 104”) which replaced the intrinsic value measurement model previously in NAIC SAP with the grant date fair value measurement model required by GAAP.

HANOVER INSURANCE OPERATIONS

(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

(3) Investments

a) Bonds and Equity Securities

A summary of book/adjusted carrying value, gross unrealized gains and losses, and the NAIC fair value of bonds and equity securities at December 31, 2022 and 2021, were as follows (in thousands):

| 2022 | Book/ Adjusted Carrying Value | Gross Unrealized Gains | Gross Unrealized Losses | NAIC Fair Value |
|--|--|------------------------------|-------------------------------|-----------------------|
| U.S. governments | \$ 311,374 | \$ 74 | \$ (33,534) | \$ 277,914 |
| All other governments | 258 | 12 | - | 270 |
| U.S. States, territories and possessions | 169,736 | 232 | (21,188) | 148,780 |
| U.S. Political subdivisions of states, territories and possessions | 134,274 | 71 | (16,805) | 117,540 |
| U.S. Special revenue and special assessment obligations | 1,638,800 | 1,064 | (214,555) | 1,425,309 |
| Industrial and miscellaneous | 4,373,870 | 6,099 | (365,747) | 4,014,222 |
| Hybrid securities | 4,836 | - | (1,182) | 3,654 |
| Bank loans | 55,037 | 133 | (6) | 55,164 |
| Total bonds | \$ 6,688,185 | \$ 7,685 | \$ (653,017) | \$ 6,042,853 |
| Common and preferred stock | \$ 186,889 | \$ - | \$ - | \$ 186,889 |

| 2021 | Book/ Adjusted Carrying Value | Gross Unrealized Gains | Gross Unrealized Losses | NAIC Fair Value |
|--|--|------------------------------|-------------------------------|-----------------------|
| U.S. governments | \$ 241,452 | \$ 5,658 | \$ (3,205) | \$ 243,905 |
| All other governments | 260 | 50 | - | 310 |
| U.S. States, territories and possessions | 162,359 | 5,593 | (1,176) | 166,776 |
| U.S. Political subdivisions of states, territories and possessions | 132,089 | 2,903 | (732) | 134,260 |
| U.S. Special revenue and special assessment obligations | 1,535,046 | 26,267 | (16,425) | 1,544,888 |
| Industrial and miscellaneous | 3,860,770 | 173,221 | (17,268) | 4,016,723 |
| Bank loans | 25,023 | 33 | - | 25,056 |
| Total bonds | \$ 5,956,999 | \$ 213,725 | \$ (38,806) | \$ 6,131,918 |
| Common and preferred stock | \$ 499,291 | \$ - | \$ - | \$ 499,291 |

For statutory accounting purposes, the NAIC classifies bonds into six quality categories. These categories range from 1 (the highest) to 5 (the lowest) for non-defaulted bonds, plus category 6 for bonds in default. At December 31, 2022 and 2021, 96.0% and 95.2%, respectively, of the Company's bonds were rated by the NAIC as investment grade (1 or 2). The Company held two 5GI-rated bonds with a book adjusted carrying value and fair value of \$0.6 million as of December 31, 2022, and held no 5GI-rated securities as of December 31, 2021.

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Notes to Combined Statutory Financial Statements

Fair values are obtained by a quoted market price, if available. Otherwise, fair values are estimated using independent pricing sources or internally developed pricing models using discounted cash flow analyses. Book/adjusted carry value for bonds that are designated highest quality and high-quality (NAIC designations 1 and 2, respectively) are reported at amortized cost; all other bonds (NAIC designations 3-6) are reported at the lower of amortized cost or fair value. At December 31, 2022 and 2021, the Company carried \$199.2 million and \$84.8 million, respectively, of bonds at fair value.

At December 31, 2022 and 2021, the Company had no concentration of bond investments in a single investee exceeding 10% of total admitted assets. At December 31, 2022 the Company had no contractual bond commitments.

The book/adjusted carrying value and the NAIC fair value of bonds by contractual maturity at December 31, 2022 are shown below (in thousands).

| | Book/ Adjusted Carrying Value | NAIC Fair Value |
|--|-------------------------------------|-----------------------|
| Due in one year or less | \$ 211,498 | \$ 210,110 |
| Due after one year through five years | 2,086,376 | 2,005,419 |
| Due after five years through ten years | 2,212,653 | 1,915,180 |
| Due after ten years | 2,177,658 | 1,912,144 |
| Total | <u>\$ 6,688,185</u> | <u>\$ 6,042,853</u> |

Loan-backed securities are included in the category representing their ultimate maturity. Actual maturities may differ from contractual maturities because borrowers may have the right to call or prepay obligations with or without call or prepayment penalties, or the Company may have the right to put or sell the obligation back to the issuers.

Bonds with a book/adjusted carry value of \$292.0 million and \$277.6 million were on deposit with various states and regulatory bodies as of December 31, 2022 and 2021, respectively, in compliance with statutory regulations.

At December 31, 2022 and 2021, the Company had no exposure to subprime mortgages. The Company has no exposure to subprime mortgage risk through Mortgage Guaranty or Financial Guaranty insurance coverage and no direct investments in subprime mortgage loans as of December 31, 2022 and 2021.

b) Real Estate Investments and Mortgage Loans

As of December 31, 2022 and 2021, the Company's real estate investment consisted of its home office.

Mortgage loan investments consist of commercial mortgage loan participations, which represent the Company's interest in commercial mortgage loans originated and serviced by a highly-rated single third party. The Company monitors the credit quality of its investments and exposure to individual markets, borrowers, industries, sectors, property types and geographic locations. The Company shares, on a pro-rata basis, in all related cash flows of the underlying mortgage loans, which are investment-grade quality and diversified by geographic area and property type.

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Notes to Combined Statutory Financial Statements

Home office real estate and mortgage loan investments were distributed among the following types and geographic regions at December 31, 2022 and 2021 (in thousands):

| | <u>2022</u> | <u>2021</u> |
|----------------------|-------------------|-------------------|
| <u>Property Type</u> | | |
| Office Buildings | \$ 102,817 | \$ 104,620 |
| Apartments | 86,541 | 75,419 |
| Industrial | 23,968 | 30,382 |
| Retail | 5,750 | 5,750 |
| Hotel | 5,000 | 5,000 |
| Total | \$ <u>224,076</u> | \$ <u>221,171</u> |

| | <u>2022</u> | <u>2021</u> |
|--------------------------|-------------------|-------------------|
| <u>Geographic Region</u> | | |
| New England | \$ 70,535 | \$ 72,241 |
| South Atlantic | 68,142 | 58,272 |
| Pacific | 38,878 | 38,881 |
| Mid Atlantic | 16,061 | 16,495 |
| Mountain | 13,549 | 13,542 |
| East North Central | 5,750 | 5,750 |
| East South Central | 5,661 | 10,490 |
| West South Central | 5,500 | 5,500 |
| Total | \$ <u>224,076</u> | \$ <u>221,171</u> |

There were no reserves or impairments for real estate or mortgage loans reflected in the above amounts at December 31, 2022 or 2021.

The Company had no investments in mortgage loans that exceeded 10% of total admitted assets at December 31, 2022 or 2021.

At December 31, 2022 and 2021, the Company held \$182.6 million and \$178.0 million in mortgage loan investments, respectively. The maximum and minimum lending rates for new loans was 2.6% in 2022 and 2.9% and 1.9% in 2021. The maximum percentage of any one loan to the value of security at the time of the loan funding, exclusive of insured or guaranteed or purchase money mortgages was 83% and 80% at December 31, 2022 and 2021, respectively.

The Company held no mortgage loans with interest 180 days or more past due, nor did they reduce interest rates for any outstanding loans during 2022 or 2021.

There were no taxes, assessments or any amounts advanced that were not included in the mortgage loan total at December 31, 2022 or 2021.

The Company had contractual commitments to extend credit under commercial mortgage loan agreements of \$1.0 million and \$11.0 million at December 31, 2022 and 2021, respectively.

c) Other Invested Assets

The fair value of other invested assets was \$508.5 million and \$523.0 million at December 31, 2022 and 2021, respectively. The book/adjusted carrying value of other invested assets was \$520.0 million and \$511.1 million at December 31, 2022 and 2021, respectively.

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Notes to Combined Statutory Financial Statements

At December 31, 2022 and 2021, the Company had contractual commitments on other invested assets of \$158.6 million and \$179.9 million, respectively.

The Company had no investments in joint ventures, partnerships, and limited liability companies that exceeded 10% of total admitted assets at December 31, 2022 and 2021.

The Company recognized other-than-temporary impairments on its other invested assets of \$0.2 million and \$0.4 million at December 31, 2022 and 2021, respectively.

d) Low Income Housing Tax Credits (LIHTC)

The Company receives tax credits related to its investments in LIHTC partnerships. As of December 31, 2022 and 2021, the Company recognized in its statement of financial position a balance of \$37.8 million and \$14.4 million in these investments, respectively. The Company's unexpired tax credits on its investments in LIHTC's expire within a range of 1 to 13 years with no required holding period. The Company recorded tax credits and other tax benefits on these investments of \$1.8 million and \$1.2 million in 2022 and 2021, respectively. The Company had no write-downs or reclassifications due to the forfeiture or ineligibility of tax credits during 2022 and 2021 and did not recognize any impairments. The Company had no investments in LIHTC partnerships that exceeded 10% of total admitted assets as of December 31, 2022, and 2021. The LIHTC investments are periodically subject to regulatory reviews by housing authorities where the properties are located. The Company is not aware of any adverse issues related to such regulatory reviews as of December 31, 2022.

e) Restricted Assets

The following table provides the details of restricted assets at December 31, 2022 (in thousands):

| Restricted Asset Category | Gross Restricted | | | | | Percentage | |
|---|-----------------------|-------------------|-----------------------|----------------------|--|----------------------------------|--|
| | Total General Account | Total | Total From Prior Year | Increase/ (Decrease) | Total Current Year Admitted Restricted | Gross Restricted to Total Assets | Admitted Restricted to Total Admitted Assets |
| FHLB capital stock | \$ 4,991 | \$ 4,991 | \$ 2,298 | \$ 2,693 | \$ 4,991 | - | - |
| On deposit with states | 287,161 | 287,161 | 272,365 | 14,796 | 287,161 | 2.8% | 2.8% |
| On deposit with other regulatory bodies | 2,641 | 2,641 | 2,653 | (12) | 2,641 | - | - |
| Pledged collateral to FHLB | 115,729 | 115,729 | 82,816 | 32,913 | 115,729 | 1.1% | 1.1% |
| Other restricted assets | 10,509 | 10,509 | 11,304 | (795) | 4,682 | 0.1% | 0.1% |
| Total Restricted Assets | \$ 421,031 | \$ 421,031 | \$ 371,436 | \$ 49,595 | \$ 415,204 | 4.0% | 4.0% |

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(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

The following table provides the details of other restricted assets at December 31, 2022 (in thousands):

| Description of Assets | Gross Restricted | | | | | Percentage | |
|--|-----------------------|-----------|-----------------------|----------------------|--|----------------------------------|--|
| | Total General Account | Total | Total From Prior Year | Increase/ (Decrease) | Total Current Year Admitted Restricted | Gross Restricted to Total Assets | Admitted Restricted to Total Admitted Assets |
| Held in trust for group accident & health business | \$ 1,994 | \$ 1,994 | \$ 3,870 | \$ (1,876) | \$ 1,994 | - | - |
| Held in trust for New York surplus lines | 2,688 | 2,688 | 2,582 | 106 | 2,688 | - | - |
| Third party administrator cash | 5,827 | 5,827 | 4,852 | 975 | - | 0.1% | 0.1% |
| Other restricted assets | \$ 10,509 | \$ 10,509 | \$ 11,304 | \$ (795) | \$ 4,682 | 0.1% | 0.1% |

The following table provides the details of restricted assets at December 31, 2021 (in thousands):

| Restricted Asset Category | Gross Restricted | | | | | Percentage | |
|---|-----------------------|------------|-----------------------|----------------------|--|----------------------------------|--|
| | Total General Account | Total | Total From Prior Year | Increase/ (Decrease) | Total Current Year Admitted Restricted | Gross Restricted to Total Assets | Admitted Restricted to Total Admitted Assets |
| FHLB capital stock | 2,298 | \$ 2,298 | \$ 2,171 | \$ 127 | \$ 2,298 | - | - |
| On deposit with states | 272,365 | 272,365 | 277,058 | (4,693) | 272,365 | 2.8% | 2.8% |
| On deposit with other regulatory bodies | 2,653 | 2,653 | 2,648 | 5 | 2,653 | - | - |
| Pledged collateral to FHLB | 82,816 | 82,816 | 80,997 | 1,819 | 82,816 | 0.8% | 0.9% |
| Other restricted assets | 11,304 | 11,304 | 16,289 | (4,985) | 6,452 | 0.1% | 0.1% |
| Total Restricted Assets | \$ 371,436 | \$ 371,436 | \$ 379,163 | \$ (7,727) | \$ 366,584 | 3.7% | 3.8% |

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Notes to Combined Statutory Financial Statements

The following table provides the details of other restricted assets at December 31, 2021 (in thousands):

| Description of Assets | Gross Restricted | | | | | Percentage | |
|--|-----------------------|-----------|-----------------------|----------------------|--|----------------------------------|--|
| | Total General Account | Total | Total From Prior Year | Increase/ (Decrease) | Total Current Year Admitted Restricted | Gross Restricted to Total Assets | Admitted Restricted to Total Admitted Assets |
| Held in trust for group accident & health business | \$ 3,870 | \$ 3,870 | \$ 3,893 | \$ (23) | \$ 3,870 | - | - |
| Held in trust for New York surplus lines | 2,582 | 2,582 | 2,585 | (3) | 2,582 | - | - |
| Third party administrator cash | 4,852 | 4,852 | 9,811 | (4,959) | - | 0.1% | 0.1% |
| Other restricted assets | \$ 11,304 | \$ 11,304 | \$ 16,289 | \$ (4,985) | \$ 6,452 | 0.1% | 0.1% |

At December 31, 2022 and 2021, the Company held the following restricted equity securities (in thousands):

| | <u>2022</u> | <u>2021</u> |
|--------------|-----------------|-----------------|
| Openly, Inc. | \$ 6,445 | \$ 8,828 |
| Total | <u>\$ 6,445</u> | <u>\$ 8,828</u> |

These securities are restricted because they have not been registered under the Securities Act of 1933.

f) Other Investments

The Company had no repurchase agreements as of December 31, 2022 and 2021.

g) Net Investment Income

For the years ended December 31, 2022 and 2021, net investment income consisted of the following components (in thousands):

| | <u>2022</u> | <u>2021</u> |
|---------------------------------|-------------------|-------------------|
| Bonds | \$ 192,814 | \$ 176,813 |
| Stocks | 9,153 | 11,478 |
| Mortgages | 6,234 | 4,938 |
| Real estate | 11,585 | 11,361 |
| Dividends from subsidiaries | 73,000 | 91,300 |
| Other investments | 38,105 | 65,266 |
| Cash and short-term investments | 1,538 | 775 |
| Total investment income | 332,429 | 361,931 |
| Less: investment expenses | (20,686) | (19,635) |
| Net investment income | <u>\$ 311,743</u> | <u>\$ 342,296</u> |

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Net investment income for the years ended December 31, 2022 and 2021 includes prepayment penalties and acceleration fees of \$1.7 million and \$8.5 million, respectively, associated with the calls of 32 securities and 117 securities, respectively.

The Company had no income that was excluded from investment income for bonds where collection of interest is uncertain at December 31, 2022 or 2021.

The Company had no due and accrued interest over 90 days past due it excluded from surplus at December 31, 2022. At December 31, 2021 the Company had \$0.2 million of due and accrued interest over 90 days past due it excluded from surplus.

h) Realized and Unrealized Gains and Losses

Realized capital gains (losses) on investments for the years ended December 31, 2022 and 2021, were as follows (in thousands):

| | 2022 | 2021 |
|---------------------------------|-------------|-------------|
| Bonds | \$ (48,421) | \$ (1,734) |
| Stocks | 108,389 | 15,624 |
| Other investments | (1,761) | (372) |
| Cash and short-term investments | (5) | - |
| Other capital gains | - | 9 |
| Gross realized gains | 58,202 | 13,527 |
| Federal tax provision | (21,927) | (2,055) |
| Net realized gains, net of tax | \$ 36,275 | \$ 11,472 |

Included above are realized losses of \$19.0 million and \$1.7 million for the years ended December 31, 2022 and 2021, respectively, from other-than-temporary impairments of bonds, common stocks and other investments. During 2022 and 2021, the Company recognized no other-than-temporary impairments on loan-backed securities.

Proceeds from sales of bonds for the years ended December 31, 2022 and 2021 were as follows (in millions):

| | 2022 | | | 2021 | | |
|--------------|------------------------|----------------------------|-----------------------------|------------------------|----------------------------|-----------------------------|
| | Proceeds from Sales | Gross Realized Gains | Gross Realized Losses | Proceeds from Sales | Gross Realized Gains | Gross Realized Losses |
| Bonds | \$ 527.2 | \$ 4.2 | \$ 35.1 | \$ 615.7 | \$ 12.7 | \$ 15.0 |

These proceeds include non-cash intercompany transfers of \$36.1 million and \$8.8 million for the years ended December 31, 2022 and 2021, respectively, which have been excluded from the combined statement of cash flows.

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Gross unrealized losses and the NAIC fair value of bonds and common stocks that have been continuously in an unrealized loss position at December 31, 2022 and 2021 were as follows (in thousands):

| | 2022 | | 2021 | |
|---------------------|-------------------------------|-----------------------|-------------------------------|-----------------------|
| | Gross Unrealized Losses | NAIC Fair Value | Gross Unrealized Losses | NAIC Fair Value |
| Bonds: | | | | |
| Less than 12 months | \$ 70,136 | \$ 1,325,008 | \$ 33,125 | \$ 1,842,411 |
| 12 months or longer | 43,986 | 202,343 | 6,965 | 136,056 |
| Total bonds | 114,122 | 1,527,351 | 40,090 | 1,978,467 |
| Common Stock: | | | | |
| Less than 12 months | 830 | 8,818 | 596 | 11,398 |
| 12 months or longer | - | - | - | - |
| Total Common Stock | 830 | 8,818 | 596 | 11,398 |
| Total | \$ 114,952 | \$ 1,536,169 | \$ 40,686 | \$ 1,989,865 |

The Company views gross unrealized losses on fixed maturities and equity securities as being temporary since it is its assessment that these securities will recover in the near term, allowing the Company to realize the anticipated long-term economic value. Impairments are identified by employing a systematic methodology to determine if a decline in market value below book/adjusted carrying value is other-than-temporary. In determining other-than-temporary impairments of bonds and equity securities, the Company evaluates several factors and circumstances, including the issuer's overall financial condition; the issuer's credit and financial strength ratings; the issuer's financial performance, including earnings trends, dividend payments, and asset quality; any specific events which may influence the operations of the issuer; the general outlook for market conditions in the industry or geographic region in which the issuer operates; and the length of time and the degree to which the fair value of an issuer's securities remains below the Company's book/adjusted carrying value. With respect to bond investments, the Company considers any factors that might raise doubt about the issuer's ability to make contractual payments as they come due and whether the Company expects to recover the entire amortized cost basis of the security. With respect to common and preferred stock, the Company considers its ability and intent to hold the investment for a period of time to allow for recovery in value.

The unrealized loss (fair value is less than cost or amortized cost) on loan-backed securities for which an other-than-temporary impairment has not been recognized in earnings as a realized loss (including securities with a recognized other-than-temporary impairment for non-interest related declines when a non-recognized interest related impairment remains) was as follows as of December 31, 2022 and 2021 (in thousands):

| | 2022 | | 2021 | |
|---------------------|-------------------------------|--------------|-------------------------------|------------|
| | Gross Unrealized Losses | Fair Value | Gross Unrealized Losses | Fair Value |
| Less than 12 months | \$ 71,069 | \$ 1,147,141 | \$ 13,229 | \$ 784,673 |
| 12 months or longer | 139,610 | 622,367 | 512 | 9,076 |
| | \$ 210,679 | \$ 1,769,508 | \$ 13,741 | \$ 793,749 |

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Notes to Combined Statutory Financial Statements

i) Investments in Subsidiary Entities

Hanover had investments in Subsidiary, Controlled or Affiliated Companies (“SCAs”), excluding U.S. insurance companies at December 31, 2022, as follows (in thousands):

| SCA Entity | Percentage of SCA Ownership | Gross Amount | Admitted Amount | Nonadmitted Amount |
|------------------------------------|-----------------------------------|-----------------|--------------------|-----------------------|
| (a) SSAP No. 97 8a Entities | | | | |
| | | \$ - | \$ - | \$ - |
| Total SSAP No. 97 8a Entities | | \$ - | \$ - | \$ - |
| (b) SSAP No. 97 8b(ii) Entities | | | | |
| | | \$ - | \$ - | \$ - |
| Total SSAP No. 97 8b(ii) Entities | | \$ - | \$ - | \$ - |
| (c) SSAP No. 97 8b(iii) Entities | | | | |
| PDI | 100% | \$ 139.7 | \$ - | \$ 139.7 |
| APIA | 100% | 600.8 | - | 600.8 |
| AIX, Inc. | 100% | 95.3 | - | 95.3 |
| Total SSAP No. 97 8b(iii) Entities | | \$ 835.8 | \$ - | \$ 835.8 |
| (d) SSAP No. 97 8b(iv) Entities | | | | |
| Hanover Atlantic | 100% | \$ 50,895.5 | \$ 50,895.5 | \$ - |
| Total SSAP No. 97 8b(iv) Entities | | \$ 50,895.5 | \$ 50,895.5 | \$ - |
| Total SSAP No. 97 8b Entities | | | | |
| (e) (except 8bi entities) (b+c+d) | | \$ 51,731.3 | \$ 50,895.5 | \$ 835.8 |
| (f) Aggregate Total (a+e) | | \$ 51,731.3 | \$ 50,895.5 | \$ 835.8 |

The NAIC filing response information of these SCAs during 2022 is as follows (in thousands):

| SCA Entity | Type of NAIC Filing | Date of Filing to NAIC | NAIC Valuation Amount | NAIC Response Received Y/N | NAIC Disallowed Entities Valuation Method Resubmission Required Y/N | Code* |
|------------------------------------|------------------------------|------------------------------|-----------------------------|-------------------------------------|--|-------|
| (a) SSAP No. 97 8a Entities | | | | | | |
| | | | \$ - | | | |
| Total SSAP No. 97 8a Entities | | | \$ - | | | |
| (b) SSAP No. 97 8b(ii) Entities | | | | | | |
| | | | \$ - | | | |
| Total SSAP No. 97 8b(ii) Entities | | | \$ - | | | |
| (c) SSAP No. 97 8b(iii) Entities | | | | | | |
| | | | \$ - | | | |
| Total SSAP No. 97 8b(iii) Entities | | | \$ - | | | |
| (d) SSAP No. 97 8b(iv) Entities | | | | | | |
| Hanover Atlantic | S2 | 7/14/2022 | \$ 50,153.0 | Y | N | M |
| Total SSAP No. 97 8b(iv) Entities | | | \$ 50,153.0 | | | |
| Total SSAP No. 97 8b Entities | | | | | | |
| (e) (except 8bi entities) (b+c+d) | | | \$ 50,153.0 | | | |
| (f) Aggregate Total (a+e) | | | \$ 50,153.0 | | | |

* I – Immaterial or M – Material

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(4) Fair Value Disclosures of Financial Instruments

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability, i.e., exit price, in an orderly transaction between market participants. The Company emphasizes the use of observable market data whenever available in determining fair value. Fair values presented for certain financial instruments are estimates which, in many cases, may differ significantly from the amounts that could be realized upon immediate liquidation. A hierarchy of the three broad levels of fair value are as follows, with the highest priority given to Level 1 as these are the most observable, and the lowest priority given to Level 3:

Level 1 – Unadjusted quoted prices in active markets for identical assets.

Level 2 – Quoted prices for similar assets in active markets, quoted prices for identical or similar assets in markets that are not active, or other inputs that are observable or can be corroborated by observable market data, including model-derived valuations.

Level 3 – Unobservable inputs that are supported by little or no market activity.

When more than one level of input is used to determine fair value, the financial instrument is classified as Level 2 or 3 according to the lowest level input that has a significant impact on the fair value measurement.

The following methods and assumptions were used to estimate the fair value of each class of financial instruments and have not changed since last year.

Cash and short-term investments

For these short-term investments, the carrying amount approximates fair value.

Bonds

Fair values are based on a quoted market price if available. Otherwise, fair values are estimated using independent pricing sources or internally developed pricing models using discounted cash flow analyses.

Level 1 securities generally include U.S. Treasury issues and other securities that are highly liquid and for which quoted market prices are available. Level 2 securities are valued using pricing for similar securities and pricing models that incorporate observable inputs including, but not limited to yield curves and issuer spreads. Level 3 securities include issues for which little observable data can be obtained, primarily due to the illiquid nature of the securities, and for which significant inputs used to determine fair value are based on the Company's own assumptions.

The Company utilizes third party pricing services for the valuation of the majority of its bond securities and receives one quote per security. When quoted market prices in an active market are available, they are provided by the pricing services as the fair value and such values are classified as Level 1. Since bonds other than U.S. Treasury securities generally do not trade on a daily basis, the pricing service prepares estimates of fair value for those securities using pricing techniques based on a market approach. Inputs into the fair value pricing common to all asset classes include: benchmark U.S. Treasury security yield curves; reported trades of identical or similar bond securities; broker/dealer quotes of identical or similar bond securities and structural characteristics such as maturity date, coupon, mandatory principal payment dates, frequency of interest and principal payments, and optional principal redemption features. Inputs into the fair value applications that are unique by asset class include, but are not limited to:

U.S. government – determination of direct versus indirect government support and whether any contingencies exist with respect to the timely payment of principal and interest.

All other governments – estimates of appropriate market spread versus underlying related sovereign treasury curve(s) dependent on liquidity and direct or contingent support.

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Corporate bonds, which are included in Industrial and miscellaneous bonds - overall credit quality, including assessments of the level and variability of: economic sensitivity; liquidity; corporate financial policies; management quality; regulatory environment; competitive position; ownership; restrictive covenants; and security or collateral.

Municipal bonds, which are included in States, territories and possessions; Political subdivisions of states, territories and possessions; and Special revenue and special assessment obligations - overall credit quality, including assessments of the level and variability of: sources of payment such as income, sales or property taxes, levies or user fees; credit support such as insurance; state or local economic and political base; natural resource availability; and susceptibility to natural or man-made catastrophic events such as hurricanes, earthquakes or acts of terrorism.

Residential mortgage-backed securities, U.S. agency pass-throughs and collateralized mortgage obligations (“CMOs”) which are included in U.S. governments and Special revenue and special assessment obligations - estimates of prepayment speeds based upon: historical prepayment rate trends; underlying collateral interest rates; geographic concentration; vintage year; borrower credit quality characteristics; interest rate and yield curve forecasts; government or monetary authority support programs; tax policies; and delinquency/default trends.

Residential mortgage-backed securities, non-agency CMOs, which are included in Industrial and miscellaneous - estimates of prepayment speeds based upon: historical prepayment rate trends; underlying collateral interest rates; geographic concentration; vintage year; borrower credit quality characteristics; interest rate and yield curve forecasts; government or monetary authority support programs; tax policies; delinquency/default trends; and severity of loss upon default and length of time to recover proceeds following default.

Commercial mortgage-backed securities, which are included in Industrial and miscellaneous bonds - overall credit quality, including assessments of the value and supply/demand characteristics of: collateral type such as office, retail, residential, lodging, or other; geographic concentration by region, state, metropolitan statistical area and locale; vintage year; historical collateral performance including defeasance, delinquency, default and special servicer trends; and capital structure support features.

Asset-backed securities, which are included in Industrial and miscellaneous bonds – overall credit quality, including assessments of the underlying collateral type such as credit card receivables, auto loan receivables and equipment lease receivables; geographic diversification; vintage year; historical collateral performance including delinquency, default and casualty trends; economic conditions influencing use rates and resale values; and contract structural support features.

Generally, all prices provided by the pricing services, except actively traded securities with quoted market prices, are reported as Level 2.

The Company holds privately placed corporate bonds and certain other bonds that do not have an active market and for which the pricing service cannot provide fair values. The Company determines fair values for these securities using either matrix pricing utilizing the market approach or broker quotes. The Company will use observable market data as inputs into the fair value techniques, as discussed in the determination of Level 2 fair values, to the extent it is available, but is also required to use a certain amount of unobservable judgment due to the illiquid nature of the securities involved. Unobservable judgment reflected in the Company’s matrix model accounts for estimates of additional spread required by market participants for factors such as issue size, structural complexity, high bond coupon, or other unique features. These matrix-priced securities are reported as Level 2 or Level 3, depending on the significance of the impact of unobservable judgment on the security’s value. Additionally, the Company may obtain non-binding broker quotes which are reported as Level 3.

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Common and Preferred Stocks

Fair values of common and preferred stocks are obtained by a quoted market price if available. Otherwise, fair values are estimated using independent pricing sources or internally developed pricing models.

Level 1 consists of publicly traded securities, including exchange traded funds, valued at quoted market prices. Level 2 includes securities that are valued using pricing for similar securities and pricing models that incorporate observable inputs. Level 3 consists of common or preferred stock of private companies for which observable inputs are not available.

The Company utilizes a third-party pricing service for the valuation of the majority of its common and preferred securities and receives one quote for each equity security. When quoted market prices in an active market are available, they are provided by the pricing service as the fair value and such values are classified as Level 1. The Company holds certain equity securities that have been issued by privately-held entities that do not have an active market and for which the pricing service cannot provide fair values. Generally, the Company estimates fair value for these securities based on the issuer's book value and market multiples. These securities are reported as Level 2 or Level 3 depending on the significance of the impact of unobservable judgment on the securities' value. Additionally, the Company may obtain non-binding broker quotes which are reported as Level 3.

Mortgage Loans

Fair values are estimated by discounting the future contractual cash flows using the current rates at which similar loans would be made to borrowers with comparable credit ratings and are reported at Level 3.

Other Invested Assets

Other invested assets, including investments in trusts, are valued at GAAP equity method as prescribed in SSAP No. 48 and SSAP No. 97. Commercial mortgage loan participations are valued using discounted cash flow analyses while fair value for surplus notes is consistent with bonds.

Debt

The fair value of debt was estimated based on quoted market prices. If a quoted market price is not available, fair values are estimated using discounted cash flows that are based on current interest rates and yield curves for debt issuances with maturities and credit risks consistent with the debt being valued. Debt is reported as Level 2.

The estimated fair values of the financial instruments as of December 31, 2022 and 2021 were as follows (in thousands):

| Type of Financial Instrument | 2022 | | | | |
|---|-------------------------|---------------------|-------------------|---------------------|-------------------|
| | Aggregate Fair Value | Admitted Assets | Level 1 | Level 2 | Level 3 |
| Financial Assets: | | | | | |
| Cash and short-term investments | \$ (6,230) | \$ (6,223) | \$ (19,554) | \$ 13,324 | \$ - |
| Bonds | 6,042,853 | 6,688,185 | 218,726 | 5,809,973 | 14,154 |
| Preferred stocks | 11,245 | 11,245 | - | 4,800 | 6,445 |
| Common Stocks (excluding carrying value of investments in subsidiaries of 849,014) | 175,644 | 175,644 | 170,653 | 4,991 | - |
| Mortgage loans | 160,992 | 182,595 | - | - | 160,992 |
| Other invested assets (a) | 243,960 | 255,490 | - | 6,345 | 237,615 |
| Total | <u>\$ 6,628,464</u> | <u>\$ 7,306,936</u> | <u>\$ 369,825</u> | <u>\$ 5,839,433</u> | <u>\$ 419,206</u> |

(a) Excludes other invested assets using the equity method of accounting

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2021

| Type of Financial Instrument | Aggregate Fair Value | Admitted Assets | Level 1 | Level 2 | Level 3 |
|---|-------------------------|---------------------|-------------------|---------------------|-------------------|
| Financial Assets: | | | | | |
| Cash and short-term investments | \$ (16,648) | \$ (16,648) | \$ (21,497) | \$ 4,849 | \$ - |
| Bonds | 6,131,918 | 5,956,999 | 166,151 | 5,944,044 | 21,723 |
| Preferred stocks | 13,328 | 13,328 | - | 4,500 | 8,828 |
| Common Stocks (excluding carrying value of investments in subsidiaries of 876,747) | 485,963 | 485,963 | 483,665 | 2,298 | - |
| Mortgage loans | 184,259 | 178,007 | - | - | 184,259 |
| Other invested assets (a) | 271,503 | 261,612 | - | 6,948 | 264,555 |
| Total | <u>\$ 7,070,323</u> | <u>\$ 6,879,261</u> | <u>\$ 628,319</u> | <u>\$ 5,962,639</u> | <u>\$ 479,365</u> |

(a) Excludes other invested assets using the equity method of accounting

The Company holds bonds and equity securities for which fair value is determined on a recurring basis. The following tables presents for each hierarchy level, the Company's assets that were measured and reported at fair value at December 31, 2022 and 2021 (in thousands):

| 2022 | Fair Value | | | |
|-----------------------------------|-------------------|-------------------|-------------------|------------------|
| | Total | Level 1 | Level 2 | Level 3 |
| Assets | | | | |
| Bonds: | | | | |
| Industrial and miscellaneous | \$ 156,128 | \$ - | \$ 156,128 | \$ - |
| Bank loans | 43,098 | - | 43,098 | - |
| Equity securities: | | | | |
| Preferred stocks | 11,245 | - | 4,800 | 6,445 |
| Common stocks (1) | 170,653 | 170,653 | - | - |
| Cash and short-term | 50 | - | 50 | - |
| Other invested assets | 3,663 | - | - | 3,663 |
| Total assets at fair value | <u>\$ 384,837</u> | <u>\$ 170,653</u> | <u>\$ 204,076</u> | <u>\$ 10,108</u> |

(1) Excludes FHLB common stock of \$5.0 million which is carried at par value.

| 2021 | Fair Value | | | |
|-----------------------------------|-------------------|-------------------|------------------|------------------|
| | Total | Level 1 | Level 2 | Level 3 |
| Assets | | | | |
| Bonds: | | | | |
| Industrial and miscellaneous | \$ 69,837 | \$ - | \$ 69,837 | \$ - |
| Bank loans | 14,932 | - | 14,932 | - |
| Equity securities: | | | | |
| Preferred stocks | 13,328 | - | 4,500 | 8,828 |
| Common stocks (1) | 483,664 | 483,664 | - | - |
| Other invested assets | 4,367 | - | - | 4,367 |
| Total assets at fair value | <u>\$ 586,128</u> | <u>\$ 483,664</u> | <u>\$ 89,269</u> | <u>\$ 13,195</u> |

(1) Excludes FHLB common stock of \$2.3 million which is carried at par value.

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The following table presents a reconciliation of all assets measured at fair value on a recurring basis using significant unobservable inputs (Level 3) for the years ended December 31, 2022 and 2021 (in thousands):

| | 2022 | 2021 |
|-------------------------|----------------|----------------|
| | Level 3 Assets | Level 3 Assets |
| Balance January 1 | \$ 13,195 | \$ 4,050 |
| Transfer into Level 3 | - | 5,005 |
| Transfer out of Level 3 | - | (4,050) |
| Total gains | (3,087) | 8,190 |
| Balance at December 31 | \$ 10,108 | \$ 13,195 |

Level 3 Assets noted in the table above consist of preferred stocks.

During 2022, there were no securities transferred between Level 2 and Level 3. During 2021, the Company transferred two securities into Level 3 due to changes to preferred stock carrying value being reported at fair value not to exceed effective call price and other invested asset being carried at fair value. The Company transferred one security out of Level 3 due to observable inputs in the fair value measurement of preferred stock.

(5) Reserves for Losses and LAE

The Company regularly updates its reserve estimates as new information becomes available and further events occur which may impact the resolution of unsettled claims. Changes in prior reserve estimates are reflected in results of operations in the year such changes are determined to be needed and recorded.

The loss reserve experience of the Company is shown in the following table which reconciles the beginning and ending reserve for unpaid losses and LAE for the years indicated:

| | (in millions) | |
|--|---------------|-------------|
| | 2022 | 2021 |
| Unpaid losses and LAE at beginning of year | \$ 4,360.4 | \$ 3,991.5 |
| Losses and LAE incurred in current year: | | |
| For current year losses and LAE | 2,923.1 | 2,518.6 |
| For prior year losses and LAE | (10.6) | (33.3) |
| Losses and LAE incurred | 2,912.5 | 2,485.3 |
| Losses and LAE paid in current year: | | |
| For current year losses and LAE | 1,151.8 | 1,047.0 |
| For prior year losses and LAE | 1,290.9 | 1,069.4 |
| Losses and LAE paid | 2,442.7 | 2,116.4 |
| Unpaid losses and LAE at end of year | \$ 4,830.2 | \$ 4,360.4 |

a) Loss Development

The estimated cost of loss and LAE attributable to insured events of prior year's decreased \$10.6 million during 2022 and decreased \$33.3 million during 2021. The favorable development of \$10.6 million in 2022 represents 0.2% of unpaid losses and LAE of \$4.4 billion as of December 31, 2021. The favorable development of \$33.3 in 2021 represents 0.8% of unpaid losses and LAE of \$4.0 billion as of December 31, 2020.

The favorable loss and LAE reserve development during 2022 is primarily due to lower than expected losses in workers' compensation, special property and fidelity and surety lines of business, partially offset by higher than expected losses in other liability, commercial automobile and personal automobile lines of business.

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The favorable loss and LAE reserve development during 2021 is primarily due to lower than expected losses in special property, workers' compensation and fidelity and surety, partially offset by higher than expected losses in other liability and runoff accident and health lines.

Increases or decreases of this nature occur as a result of claim settlements during the current year, and as additional information is received regarding individual claims, causing changes from the original estimates of the cost of these claims. Recent loss development trends are also taken into account evaluating the overall adequacy of unpaid losses and LAE.

b) Discounts

Total liabilities for unpaid property and casualty losses and LAE are not discounted. However, case unpaid losses for pension-type workers' compensation reserves are discounted on a tabular basis using the National Council on Compensation Insurance ("NCCI") published tables at a rate of 3.5%. This discount is fully offset in the Company's IBNR reserves.

A portion of the Company's accident and health loss reserves are discounted for present value. Reserves for Long Term Care claims have been discounted on a tabular basis using the 1994 GAM Table at 4.0%. The reserves at December 31, 2022 include \$89.2 million of such discounted reserves. The amount of discount for case and IBNR reserves at December 31, 2022 is as follows (in thousands):

| <u>Line of Business</u> | <u>Discount Rate</u> | <u>Case Reserves</u> | <u>IBNR Reserves</u> | <u>Total</u> |
|---|----------------------|----------------------|----------------------|--------------|
| Other (including Credit, Accident & Health) | 4.0% | \$ 27,839.9 | \$ 20,372.2 | \$ 48,212.1 |

Reserves for Conversion Trust and Individual Health unpaid losses have been discounted on a non-tabular basis using an interest rate of 4.0%. The reserves as of December 31, 2022 include \$4.9 million of such discounted reserves. The amount of the discount is as follows as of December 31, 2022 (in thousands):

| <u>Line of Business</u> | <u>Discount Rate</u> | <u>Case Reserves</u> | <u>IBNR Reserves</u> | <u>Defense & Cost Containment</u> | <u>Total</u> |
|---|----------------------|----------------------|----------------------|---------------------------------------|--------------|
| Other (including Credit, Accident & Health) | 4.0% | \$ 3,133.3 | \$ - | \$ - | \$ 3,133.3 |

c) Asbestos and Environmental Claims

Activity for the Company's asbestos and environmental reserves was not significant to the Company's 2022 or 2021 financial results. As a result of the historical direct underwriting mix of Commercial Lines policies toward smaller and middle market risks, past asbestos and environmental damage liability loss experience has remained minimal in relation to total loss and LAE incurred experience. Direct, assumed and net ending reserves as of December 31, 2022 were \$23.9 million, \$31.5 million and \$40.1 million, respectively. Direct, assumed and net ending reserves as of December 31, 2021 were \$24.2 million, \$32.1 million and \$40.7 million, respectively.

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These reserves include assumed reinsurance pools with asbestos and environmental damage liability for pools in which the Company has terminated its participation; however, the Company continues to be subject to claims related to years in which the Company was a participant. A significant part of these pool reserves relates to the Company's participation in the ECRA voluntary pool from 1950 to 1982. In 1982, the pool was dissolved and since that time, the business has been in run-off. During 2021, the Company entered into an agreement to transfer ECRA pool participations to a third-party reinsurer. This transfer was executed through a 100% retroactive reinsurance arrangement for the Company's ECRA claim liability participations written during the period 1950 to 1982. This transaction had no impact on the Company's 2022 and 2021 results of operations.

The Company estimates the ultimate liability for asbestos and environmental claims, whether resulting from direct business, assumed reinsurance or pool business, based on currently known facts, reasonable assumptions where the facts are not known, current law and methodologies currently available. Although these outstanding claims are not significant, their existence gives rise to uncertainty and are discussed because of the possibility that they may become significant. The Company believes that, notwithstanding the evolution of case law expanding liability in asbestos and environmental claims, recorded reserves related to these claims are adequate.

(6) Federal Income Taxes

The Company's federal income tax returns are routinely audited by the Internal Revenue Service ("IRS"), and provisions are made in the financial statements in anticipation of the results of these audits. With few exceptions, the Company is subject to U.S. federal and state income tax examinations by tax authorities for years after 2015. In management's opinion, adequate tax liabilities have been established for all years. However, the amount of these tax liabilities could be revised in the near term if estimates of the Company's ultimate liability are revised.

A. The components of the net deferred tax assets/liabilities as of December 31, are as follows (in thousands):

| 1. | 2022 | | | 2021 | | | Change | | |
|--|------------|-------------|------------|------------|-------------|------------|-----------|-----------|-----------|
| | Ordinary | Capital | Total | Ordinary | Capital | Total | Ordinary | Capital | Total |
| (a) Gross Deferred Tax Assets | \$ 213,357 | \$ 479 | \$ 213,836 | \$ 207,119 | \$ - | \$ 207,119 | \$ 6,238 | \$ 479 | \$ 6,717 |
| (b) Statutory Valuation Allowance Adjustment | - | - | - | - | - | - | - | - | - |
| (c) Adjusted Gross Deferred Tax Assets | 213,357 | 479 | 213,836 | 207,119 | - | 207,119 | 6,238 | 479 | 6,717 |
| (d) Deferred Tax Assets Nonadmitted | 24 | 479 | 503 | - | - | - | 24 | 479 | 503 |
| (e) Subtotal Net Admitted Deferred Tax Asset | 213,333 | - | 213,333 | 207,119 | - | 207,119 | 6,214 | - | 6,214 |
| (f) Deferred Tax Liabilities | 21,121 | 15,677 | 36,798 | 27,281 | 50,735 | 78,016 | (6,160) | (35,058) | (41,218) |
| (g) Net Admitted Deferred Tax Asset/ (Net Deferred Tax Liability) | \$ 192,212 | \$ (15,677) | \$ 176,535 | \$ 179,838 | \$ (50,735) | \$ 129,103 | \$ 12,374 | \$ 35,058 | \$ 47,432 |

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| 2. | 2022 | | | 2021 | | | Change | | | |
|--|---|------------|-----------|------------|------------|-----------|------------|-------------|----------|-------------|
| | Ordinary | Capital | Total | Ordinary | Capital | Total | Ordinary | Capital | Total | |
| Admission Calculation Components SSAP No. 101 | | | | | | | | | | |
| (a) | Federal Income Taxes Paid In Prior Years Recoverable Through Loss Carrybacks | \$ 111,522 | \$ - | \$ 111,522 | \$ 135,212 | \$ - | \$ 135,212 | \$ (23,690) | \$ - | \$ (23,690) |
| (b) | Adjusted Gross Deferred Tax Assets Expected To Be Realized (Excluding The Amount Of Deferred Tax Assets From 2(a) above) After Application of the Threshold Limitation. (The Lesser of 2(b)1 and 2(b)2 Below) | 66,559 | - | 66,559 | 33,386 | - | 33,386 | 33,173 | - | 33,173 |
| 1) | Adjusted Gross Deferred Tax Assets Expected to be Realized Following the Balance Sheet Date | 66,559 | - | 66,559 | 33,386 | - | 33,386 | 33,173 | - | 33,173 |
| 2) | Adjusted Gross Deferred Tax Assets Allowed per Limitation Threshold | NA | NA | 377,073 | NA | NA | 388,634 | NA | NA | (11,561) |
| (c) | Adjusted Gross Deferred Tax Assets (Excluding The Amount Of Deferred Tax Assets From 2(a) and 2(b) above) Offset by Gross Deferred Tax Liabilities | 21,121 | 14,131 | 35,252 | 27,281 | 11,240 | 38,521 | (6,160) | 2,891 | (3,269) |
| (d) | Deferred Tax Assets Admitted as the result of application of SSAP 101. Total (2(a) + 2(b) + 2(c)) | \$ 199,202 | \$ 14,131 | \$ 213,333 | \$ 195,879 | \$ 11,240 | \$ 207,119 | \$ 3,323 | \$ 2,891 | \$ 6,214 |

| 3. | 2022 | 2021 |
|---|--------------|--------------|
| (a) Ratio Percentage Used To Determine Recovery Period And Threshold Limitation Amount | 389% | 436% |
| (b) Amount Of Adjusted Capital And Surplus Used To Determine Recovery Period And Threshold Limitation In 2(b)2 Above (in thousands) | \$ 2,510,686 | \$ 2,590,892 |

A. Tax-planning strategies did not have any impact on admitted deferred tax assets.

B. The Company does not have any deferred tax liabilities that are not recognized for amounts described in ASC 740.

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C. Current income taxes incurred consist of the following major components (in thousands):

| | 2022 | 2021 | Change |
|--|-------------------|-------------------|--------------------|
| 1 Current Income Tax | | | |
| (a) Federal | \$ 37,523 | \$ 66,548 | \$ (29,025) |
| (b) Foreign | 7 | 17 | (10) |
| (c) Subtotal | <u>\$ 37,530</u> | <u>\$ 66,565</u> | <u>\$ (29,035)</u> |
| (d) Federal income tax on net capital gains | 21,926 | 2,056 | 19,870 |
| (e) Utilization of capital loss carryforwards | - | - | - |
| (f) Other | - | - | - |
| (g) Federal and foreign income taxes incurred | <u>\$ 59,456</u> | <u>\$ 68,621</u> | <u>\$ (9,165)</u> |
| 2 Deferred Tax Assets: | | | |
| (a) Ordinary: | | | |
| (1) Discounting of unpaid losses | \$ 69,082 | \$ 65,313 | \$ 3,769 |
| (2) Unearned premium reserves | 97,518 | 88,575 | 8,943 |
| (3) Policyholder reserve | - | - | - |
| (4) Investments | 1,244 | 2,683 | (1,439) |
| (5) Deferred acquisition costs | - | - | - |
| (6) Policyholder dividends accrual | - | - | - |
| (7) Fixed assets | 18,602 | 18,180 | 422 |
| (8) Compensation and benefits | 9,112 | 11,749 | (2,637) |
| (9) Pension | - | 277 | (277) |
| (10) Receivables - nonadmitted | 13,399 | 15,463 | (2,064) |
| (11) NOL carryforward | - | - | - |
| (12) Tax credit carryforward | - | - | - |
| (13) Other | 4,400 | 4,879 | (479) |
| (99) Subtotal | <u>\$ 213,357</u> | <u>\$ 207,119</u> | <u>\$ 6,238</u> |
| (b) Statutory valuation allowance adjustment | - | - | - |
| (c) Nonadmitted deferred tax asset | 24 | - | 24 |
| (d) Admitted ordinary deferred tax assets (2a99 – 2b – 2c) | <u>\$ 213,333</u> | <u>\$ 207,119</u> | <u>\$ 6,214</u> |
| (e) Capital: | | | |
| (1) Investments | 479 | - | 479 |
| (2) Net capital loss carryforward | - | - | - |
| (3) Real Estate | - | - | - |
| (4) Other | - | - | - |
| (99) Subtotal | <u>\$ 479</u> | <u>\$ -</u> | <u>\$ 479</u> |
| (f) Statutory valuation allowance adjustment | - | - | - |
| (g) Nonadmitted deferred tax asset | 479 | - | 479 |
| (h) Admitted capital deferred tax assets (2e99 – 2f – 2g) | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> |
| (i) Admitted deferred tax assets (2d + 2h) | <u>\$ 213,333</u> | <u>\$ 207,119</u> | <u>\$ 6,214</u> |
| 3 Deferred Tax Liabilities: | | | |
| (a) Ordinary: | | | |
| (1) Investments | \$ - | \$ - | \$ - |
| (2) Software capitalization | 12,296 | 15,743 | (3,447) |
| (3) D&U premium | - | - | - |
| (4) TCJA transition adjustment | 8,653 | 11,538 | (2,885) |
| (5) Other | 172 | - | 172 |
| (99) Subtotal | <u>\$ 21,121</u> | <u>\$ 27,281</u> | <u>\$ (6,160)</u> |
| (b) Capital: | | | |
| (1) Investments | \$ 15,677 | \$ 50,735 | \$ (35,058) |
| (2) Real Estate | - | - | - |
| (3) Other | - | - | - |
| (99) Subtotal | <u>\$ 15,677</u> | <u>\$ 50,735</u> | <u>\$ (35,058)</u> |
| (c) Total deferred tax liabilities | <u>\$ 36,798</u> | <u>\$ 78,016</u> | <u>\$ (41,218)</u> |
| 4 Net deferred tax assets/liabilities (2i – 3c) | <u>\$ 176,535</u> | <u>\$ 129,103</u> | <u>\$ 47,432</u> |

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

The change in net deferred income taxes is comprised of the following, exclusive of non-admitted assets (in thousands):

| | 2022 | 2021 | Change |
|---|------------|------------|------------------|
| Adjusted gross deferred tax assets | \$ 213,836 | \$ 207,119 | \$ 6,717 |
| Total deferred tax liabilities | 36,798 | 78,016 | (41,218) |
| Net deferred tax assets | \$ 177,038 | \$ 129,103 | \$ 47,935 |
| Tax effect of unrealized gains | | | (35,332) |
| Tax effect of change in pension liability | | | (250) |
| Change in net deferred income tax | | | <u>\$ 12,353</u> |

On August 16, 2022, the Inflation Reduction Act (“Act”) was enacted and included a new corporate alternative minimum tax (“CAMT”). The Act and the CAMT go into effect for tax years beginning after 2022.

The CAMT is 15 percent of the corporation’s “adjusted financial statement income” for the tax year, reduced by corporate alternative minimum foreign tax credit, and will only apply to corporations (determined on an affiliated group basis) with average adjusted financial statement income in excess of \$1.0 billion for the three prior tax years. This threshold is reduced to \$100.0 million in the case of certain foreign-parented corporations. The Company do not expect to be subject to the CAMT in 2023.

D. Reconciliation of Federal Income Tax Rate to Actual Effective Rate

The significant items causing a difference between the statutory federal income tax rate and the Company’s effective income tax rate are as follows (in thousands):

| | December 31, 2022 | |
|---|-------------------|--------------|
| | Tax | Rate |
| Tax provision at statutory rate | \$ 60,589 | 21.0% |
| Intercompany dividends | (15,330) | -5.3% |
| Tax exempt and dividends received deduction | (753) | -0.3% |
| Non-deductible expenses | 3,087 | 1.1% |
| Non-admitted assets | 1,061 | 0.4% |
| Uncertain tax position and accrued interest | 268 | 0.1% |
| Low Income Housing credits | (1,576) | -0.5% |
| Return to provision and other | (243) | -0.1% |
| Total | <u>\$ 47,103</u> | <u>16.4%</u> |

| | December 31, 2022 | |
|-------------------------------------|-------------------|--------------|
| | Tax | Rate |
| Federal income taxes incurred | \$ 37,530 | 13.0% |
| Realized capital gains tax | 21,926 | 7.6% |
| Change in net deferred income taxes | (12,353) | -4.2% |
| Total statutory income taxes | <u>\$ 47,103</u> | <u>16.4%</u> |

E. Operating Loss and Tax Credit Carryforwards

- At December 31, 2022, the Company had no net operating loss carryforwards, no capital loss carryforwards, and no alternative minimum tax credits.
- At December 31, 2022, the Company had \$111.5 thousand of federal income taxes that are available for recoupment in the event of future losses.
- At December 31, 2022, the Company had no deposits under section 6603 of the Internal Revenue Service Code.

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Notes to Combined Statutory Financial Statements

- F. The Company has no federal or foreign income tax loss contingencies, for which it is reasonably possible that the total liability will significantly increase within 12 months of the reporting date.

(7) Reinsurance

The Company, as part of THG, maintains ceded reinsurance programs designed to protect against large or unusual loss and LAE activity. The Company utilizes a variety of reinsurance agreements, which are intended to control the Company's individual policy and aggregate exposure to large property and casualty losses, stabilize earnings and protect capital resources. These programs include facultative reinsurance (to limit exposure on a specified risk); specific excess and proportional treaty reinsurance (to limit exposure on individual policies or risks within specified classes of business); and catastrophe excess of loss reinsurance (to limit exposure to any one event that might impact more than one individual policy). Our proportional reinsurance consists of quota share reinsurance agreements and our non-proportional reinsurance includes excess of loss and stop loss reinsurance agreements.

Catastrophe reinsurance protects the Company, as the ceding insurer, from significant losses arising from a single event including, among others, hurricanes, tornadoes and other windstorms, earthquakes, hail, severe winter weather, fire, explosions, riots, flood and terrorism. The Company determines the appropriate amount of reinsurance based on its evaluation of the risks insured, exposure analyses prepared by advisors, its risk appetite and market conditions, including the availability and pricing of reinsurance.

The Company cedes to reinsurers a portion of its risk based upon insurance policies subject to such reinsurance. Reinsurance contracts do not relieve the Company from its obligations to policyholders. Failure of reinsurers to honor their obligations could result in losses to the Company. The Company believes that the terms of its reinsurance contracts are consistent with industry practice in that they contain standard terms with respect to lines of business covered, limit and retention, arbitration and occurrence. Subsequent to the emergence of COVID-19 in March 2020, some of the Company's reinsurance contract renewals contain varying forms of pandemic and other exclusions, which it believes are consistent with current reinsurance contract exclusions in the market generally. The Company believes that its reinsurers are financially sound, based upon an ongoing review of the financial strength ratings assigned to them by rating agencies, their reputations in the reinsurance marketplace, the Company's collections history, information and advice from third parties, and the analysis and guidance of the Company's reinsurance advisors.

The Company was primarily protected by a property catastrophe occurrence excess of loss reinsurance treaty, a property per risk excess of loss treaty, as well as a casualty excess of loss treaty, with retentions of \$200.0 million, \$3.0 million and \$2.0 million, respectively.

The property catastrophe occurrence excess of loss reinsurance policy provides coverage, on an occurrence basis, up to \$1.3 billion, less a \$200.0 million retention, with no co-participation, for all defined perils. For occurrences from \$1.3 billion to \$1.5 billion, the Company has coverage for 33% of losses where losses are not covered by the catastrophe bond (see "Other Items"). In the event the catastrophe bond is utilized, this additional \$150.0 million in limit (33% placed) is available above \$1.5 billion. Additionally, effective July 1, 2022 the Company chose not to renew our reinsurance coverage for aggregate catastrophe losses.

The property per risk excess of loss treaty provides coverage, on a per risk basis, up to \$100.0 million, less a \$3.0 million retention, with a co-participation for the second half of 2022 and the first half of 2023 of 57.5% for reinsurance placed in the \$3.0 million to \$5.0 million layer, 9.7% for reinsurance in the \$5.0 million to \$12.5 million layer, 17.6% in the \$12.5 million to \$25.0 million layer, and no co-participation for reinsurance layers placed between \$25.0 million and \$100.0 million. Effective July 2022, there is no annual aggregate deductible within the property per risk excess of loss treaty.

The casualty excess of loss treaty provides coverage, on a per occurrence basis for each loss, up to \$75.0 million less a \$2.0 million retention, with a co-participation of 13.5% in the \$2.0 million to \$5.0 million layer, and no co-participation for reinsurance layers placed between \$5.0 million and \$75.0 million.

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Commercial Lines segments are further protected by excess of loss treaty agreements for specific lines of business. For example, the surety and fidelity bond excess of loss treaty provides coverage, on a per principal basis, up to \$40.0 million, less a \$7.5 million retention, with no co-participation.

In addition to certain layers of coverage from the Company's reinsurance program as described above, ASIC and NOVA program business also includes surplus share, quota share, excess of loss, stop loss, facultative and other forms of reinsurance that cover the writings from ASIC and NOVA specialty and proprietary programs. There are a variety of different programs, and the reinsurance structure is generally customized to fit the exposure profile for each program.

The Company is subject to concentration of risk with respect to reinsurance ceded to various mandatory residual markets, facilities and pooling mechanisms. As a condition of the Company's license to write business in various states, the Company is required to participate in mandatory property and casualty residual market mechanisms, which provide insurance coverages where such coverage may not otherwise be available at rates deemed reasonable.

a) Assumed Business

All premiums earned and losses incurred by Mass Bay, Hanover American, Hanover Casualty, Hanover NJ, AFAIC, AFBIC, CICI, Verlan, Nova, ASIC, Campmed, and Hanover Atlantic are fully reinsured by Hanover. These companies do remain liable in the event that the Company is unable to meet the obligations assumed under the reinsurance agreement.

Hanover has an intercompany reinsurance agreement with CICA, whereby Hanover assumes 100% of CICA's insurance and reinsurance obligations related to business written in all states except Michigan, Indiana, and Ohio.

Written and earned premiums incurred included assumed activity as follows (in thousands):

| | Years Ended December 31, | |
|-------------------------|---------------------------------|--------------|
| <u>Premiums written</u> | 2022 | 2021 |
| Direct | \$ 4,308,067 | \$ 3,821,353 |
| Assumed: | | |
| Affiliates | 685,909 | 666,119 |
| Non-affiliates | 55,376 | 32,407 |
| <u>Premiums earned</u> | | |
| Direct | \$ 4,111,704 | \$ 3,676,359 |
| Assumed: | | |
| Affiliates | 686,061 | 658,793 |
| Non-affiliates | 46,545 | 26,413 |

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b) Ceded Business

Written and earned premiums have been reduced for reinsurance ceded for the years ended December 31, as follows (in thousands):

| | 2022 | | 2021 |
|-------------------------|------------|----|---------|
| <u>Premiums written</u> | | | |
| Non-affiliates | \$ 558,694 | \$ | 484,381 |
| <u>Premiums earned</u> | | | |
| Non-affiliates | \$ 566,439 | \$ | 516,433 |

Unearned premiums and the reserve for losses and LAE at December 31 have been reduced for reinsurance ceded as follows (in thousands):

| | 2022 | | 2021 |
|---|------------|----|---------|
| Unearned premiums | \$ 82,179 | \$ | 89,924 |
| Reserve for losses and loss adjustment expenses | \$ 861,039 | \$ | 778,310 |

The direct and ceded reserve for losses and LAE represents the accumulation of individual case estimates for reported losses and actuarial estimates for incurred but not reported losses and LAE. The Company remains liable in the event that reinsurers are unable to meet the obligations for existing paid and unpaid losses recoverable and unearned premiums ceded under reinsurance agreements.

The additional or return commission, predicated on loss experience or on any other form of profit sharing arrangements as a result of existing contractual arrangements as of December 31, 2022 are accrued as follows (in thousands):

| <u>Description</u> | <u>Direct</u> | <u>Assumed</u> | <u>Ceded</u> | <u>Net</u> |
|------------------------------|---------------|----------------|--------------|------------|
| a. Contingent commissions | \$ 110,675 | \$ - | \$ - | \$ 110,675 |
| b. Sliding scale adjustments | - | - | 820 | (820) |
| c. Other profit commissions | - | - | - | - |
| d. Total | \$ 110,675 | \$ - | \$ 820 | \$ 109,855 |

There were no significant amounts written off during 2022 and 2021.

There were no material additional or return commissions predicated on loss experience or on any other form of profit sharing arrangements on reinsurance contracts for the years ended December 31, 2022 and 2021.

c) Unsecured Reinsurance Recoverables

A summary for reinsurance recoverable from individual companies that are individually in excess of 3% of statutory surplus is as follows (in thousands):

Individual Reinsurers Who Are Not Members of a Group

| <u>NAIC</u> | <u>Federal ID</u> | <u>Reinsurer</u> | <u>Recoverable</u> |
|-------------|-------------------|-------------------------------|--------------------|
| 00000 | AA-1340125 | HANNOVER RUCKVERSICHERUNGS AG | \$ 171,141 |

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Individual Reinsurers Who Are Members of a Group

| <u>Group Code</u> | <u>Federal ID</u> | <u>Reinsurer</u> | <u>Recoverable</u> |
|-------------------|-------------------|---------------------------|--------------------|
| 31 | 13-5616275 | TRANSATLANTIC REINS CO | \$ 93,403 |
| 181 | 13-1675535 | SWISS REINSURANCE AMERICA | \$ 81,508 |

All Members of the Groups Shown above with Unsecured Reinsurance Recoverables

| <u>Group Code</u> | <u>Federal ID</u> | <u>Reinsurer</u> | <u>Recoverable</u> |
|-------------------|-------------------|--------------------------|--------------------|
| 31 | 13-5616275 | TRANSATLANTIC REINS CO | \$ 93,403 |
| 31 | 06-1325038 | FINIAL REINSURANCE CO | \$ 317 |
| 31 | 13-2673100 | GENERAL REINSURANCE CORP | \$ 28,821 |
| 31 | 47-0355979 | NATIONAL INDEMNITY CO | \$ 31 |
| Total | | | \$ 122,572 |

| <u>Group Code</u> | <u>Federal ID</u> | <u>Reinsurer</u> | <u>Recoverable</u> |
|-------------------|-------------------|---------------------------|--------------------|
| 181 | 13-1675535 | SWISS REINSURANCE AMERICA | \$ 81,508 |
| 181 | CR-1460146 | SWISS REINS CO | \$ 2,705 |
| Total | | | \$ 84,213 |

d) Reinsurance Assumed and Ceded

The following table summarizes ceded and assumed unearned premiums and the related commission equity at December 31, 2022 (in thousands):

| | <u>Assumed Reinsurance</u> | | <u>Ceded Reinsurance</u> | | <u>Net</u> | |
|------------|----------------------------|--------------------------|--------------------------|--------------------------|------------------------|--------------------------|
| | <u>Premium Reserve</u> | <u>Commission Equity</u> | <u>Premium Reserve</u> | <u>Commission Equity</u> | <u>Premium Reserve</u> | <u>Commission Equity</u> |
| Affiliates | \$ 309,691 | \$ - | \$ - | \$ - | \$ 309,691 | \$ - |
| All | | | | | | |
| Other | 25,249 | 1,904 | 82,179 | 24,385 | (56,930) | (22,481) |
| Total | <u>\$ 334,940</u> | <u>\$ 1,904</u> | <u>\$ 82,179</u> | <u>\$ 24,385</u> | <u>\$ 252,761</u> | <u>\$ (22,481)</u> |

Direct unearned premium reserve as of December 31, 2022 was \$2,044.3 million.

e) Commutation of Ceded Reinsurance

There were no commutations in 2022 or 2021.

f) Certified Reinsurer Rating Downgraded or Status Subject to Revocation

The Company did not downgrade or revoke any certified reinsurer ratings in 2022 or 2021.

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(8) Related Party Transactions

Pursuant to an intercompany consolidated service agreement, legal entities are charged the cost of the service provided or expenses paid by the entity providing the service or paying the expense. In addition, affiliated entities are charged a portion of the costs associated with activities that are performed for the good of all THG companies. Investment-related services are provided by Opus pursuant to an intercompany advisory agreement. The Company expensed \$8.4 million and \$7.7 million associated with the advisory agreement for the years ended December 31, 2022 and 2021, respectively.

At December 31, 2022 and 2021, the Company reported \$23.2 million and \$36.4 million, respectively, as amounts due to parent, subsidiary, controlled and affiliated companies and \$0.7 million and \$1.2 million, respectively, as amounts due from parent, subsidiary, controlled and affiliated companies in accordance with these agreements. The terms of the intercompany management and service arrangements require that intercompany balances be settled within thirty days.

Hanover declared an ordinary common stock dividend of \$100.0 million to Opus on May 16, 2022. The dividend was settled on June 2, 2022 by transferring bonds at fair value of \$98.3 million, accrued interest of \$0.5 million, and cash of \$1.2 million to Opus. Hanover recognized \$1.9 million of net realized loss on these transactions.

CICI received a capital contribution of \$1.0 million from Opus on November 18, 2022.

Hanover received the following common stock dividends from subsidiaries during 2022 (in thousands):

| Subsidiary | Dividend Amount | Declaration Date | Settlement Date | Bonds at Fair Value | Accrued Interest on Bonds | Cash | Realized Loss Deferred |
|------------|-----------------|------------------|-------------------|---------------------|---------------------------|----------|------------------------|
| New Jersey | \$ 4,739 | January 29, 2022 | June 28, 2022 | \$ 4,704 | \$ 35 | \$ - | \$ (305) |
| CICA | \$ 72,000 | November 3, 2022 | November 18, 2022 | \$ 70,177 | \$ 481 | \$ 1,342 | \$ (6,972) |
| CICO | \$ 1,000 | November 3, 2022 | November 18, 2022 | \$ 419 | \$ 3 | \$ 578 | \$ (81) |
| Casualty | \$ 800 | November 3, 2022 | November 18, 2022 | \$ 527 | \$ 4 | \$ 269 | \$ (18) |
| National | \$ 300 | November 3, 2022 | November 18, 2022 | \$ - | \$ - | \$ 300 | \$ - |
| Campmed | \$ 400 | November 3, 2022 | November 18, 2022 | \$ - | \$ - | \$ 400 | \$ - |
| Verlan | \$ 550 | November 3, 2022 | November 29, 2022 | \$ - | \$ - | \$ 550 | \$ - |

Hanover received the following return of capital amounts during 2022 (in thousands):

| Subsidiary | Return of Capital Amount | Transaction Date | Bonds at Fair Value | Accrued Interest on Bonds | Cash | Realized Loss Deferred |
|------------|--------------------------|--------------------|---------------------|---------------------------|----------|------------------------|
| New Jersey | \$ 13,913 | June 28, 2022 | \$ 13,827 | \$ 86 | \$ - | \$ (1,299) |
| New Jersey | \$ 1,050 | July 14, 2022 | \$ - | \$ - | \$ 1,050 | \$ - |
| New Jersey | \$ 3,759 | September 29, 2022 | \$ - | \$ - | \$ 3,759 | \$ - |

Hanover made the following capital contributions during 2022 (in thousands):

| Subsidiary | Contribution Amount | Transaction Date | Bonds at Fair Value | Accrued Interest on Bonds | Cash | Realized Loss Deferred |
|------------|---------------------|-------------------|---------------------|---------------------------|--------|------------------------|
| AFBIC | \$ 5,000 | November 18, 2022 | \$ 4,890 | \$ 30 | \$ 80 | \$ (697) |
| AFAIC | \$ 3,000 | November 18, 2022 | \$ 2,817 | \$ 20 | \$ 163 | \$ (193) |
| American | \$ 3,000 | November 18, 2022 | \$ 2,853 | \$ 19 | \$ 128 | \$ (223) |
| CICM | \$ 10,000 | November 18, 2022 | \$ 9,328 | \$ 83 | \$ 589 | \$ (1,388) |
| Mass Bay | \$ 12,000 | November 18, 2022 | \$ 11,611 | \$ 99 | \$ 290 | \$ (1,230) |
| Atlantic | \$ 5,000 | December 8, 2022 | \$ 4,603 | \$ 28 | \$ 369 | \$ (275) |

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On October 20, 2015, Hanover entered into an intercompany loan agreement with THG and issued a loan with a maximum principal amount of up to \$125.0 million. This note was disbursed in installments during 2016 and matures on September 25, 2029. Interest is calculated at the annual rate of 5.5%, and is payable on the first month following each quarter, pursuant to the agreement. At the end of the reporting period, the outstanding balance including accrued interest was \$126.8 million.

Hanover has an intercompany line of credit agreement between itself, THG, and CICA. The following transactions occurred during 2022 (in thousands):

| Origination Date | Affiliate | Cash Received/(Paid) Origination | Cash Received/(Paid) Repayment | O/S Balance |
|--------------------|-----------|--|--------------------------------------|-------------|
| January 31, 2022 | CICA | \$ 23,600 | \$ (23,600) | \$ - |
| February 3, 2022 | CICA | \$ 10,000 | \$ (10,000) | \$ - |
| February 3, 2022 | THG | \$ 14,700 | \$ (14,700) | \$ - |
| February 16, 2022 | CICA | \$ 6,700 | \$ (6,700) | \$ - |
| February 16, 2022 | THG | \$ 15,200 | \$ (15,200) | \$ - |
| March 10, 2022 | CICA | \$ 11,200 | \$ (11,200) | \$ - |
| March 10, 2022 | THG | \$ 9,200 | \$ (9,200) | \$ - |
| April 1, 2022 | THG | \$ 6,100 | \$ (6,100) | \$ - |
| April 13, 2022 | THG | \$ 10,500 | \$ (10,500) | \$ - |
| April 21, 2022 | CICA | \$ 6,000 | \$ (6,000) | \$ - |
| April 28, 2022 | CICA | \$ 10,500 | \$ (10,500) | \$ - |
| April 28, 2022 | THG | \$ 4,400 | \$ (4,400) | \$ - |
| April 29, 2022 | CICA | \$ 10,000 | \$ (10,000) | \$ - |
| May 5, 2022 | THG | \$ 2,000 | \$ (2,000) | \$ - |
| May 5, 2022 | CICA | \$ 8,000 | \$ (8,000) | \$ - |
| May 26, 2022 | THG | \$ 15,400 | \$ (15,400) | \$ - |
| May 27, 2022 | CICA | \$ 5,000 | \$ (5,000) | \$ - |
| May 27, 2022 | THG | \$ 1,000 | \$ (1,000) | \$ - |
| June 2, 2022 | THG | \$ 18,000 | \$ (18,000) | \$ - |
| June 3, 2022 | THG | \$ 4,500 | \$ (4,500) | \$ - |
| June 22, 2022 | THG | \$ 1,000 | \$ (1,000) | \$ - |
| June 25, 2022 | CICA | \$ 8,000 | \$ (8,000) | \$ - |
| June 25, 2022 | CICA | \$ 10,500 | \$ (10,500) | \$ - |
| June 30, 2022 | THG | \$ 1,000 | \$ (1,000) | \$ - |
| August 11, 2022 | CICA | \$ 20,000 | \$ (20,000) | \$ - |
| August 25, 2022 | CICA | \$ 10,000 | \$ (10,000) | \$ - |
| August 25, 2022 | THG | \$ 15,000 | \$ (15,000) | \$ - |
| September 8, 2022 | CICA | \$ 17,600 | \$ (17,600) | \$ - |
| September 27, 2022 | THG | \$ 15,500 | \$ (15,500) | \$ - |
| September 29, 2022 | CICA | \$ 2,500 | \$ (2,500) | \$ - |
| October 3, 2022 | THG | \$ 20,500 | \$ (20,500) | \$ - |
| October 21, 2022 | THG | \$ 1,000 | \$ (1,000) | \$ - |
| November 3, 2022 | THG | \$ 10,000 | \$ (10,000) | \$ - |

Interest is calculated at the 3-month LIBOR rate and principal and interest are due within 90 days of the date of the loan.

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(9) Debt

The Company maintains Federal Home Loan Bank of Boston (“FHLBB”) membership stock to enable short-term advances through its membership in FHLBB. During the current reporting period, the Company received and repaid advances to meeting short-term liquidity needs.

The maximum amount borrowed from the FHLBB during 2022 was \$59.7 million. At December 31, 2022, the actual borrowing capacity was \$3.6 million. The Company had no aggregate outstanding borrowings as of the end of the reporting period. The Company calculates the maximum borrowing capacity amount based on the 4.0% requirement rate for long-term advances and short-term advances maturing within 90 days.

As collateral to FHLBB, the Company has pledged government agency securities with a fair value of \$105.8 million. The fair value of the collateral pledged must be maintained at certain specified levels (equal to 100% to 112% of loan) of the borrow amount, which can vary depending on the type of assets pledged. If the fair value of this collateral declines below these specified levels, the Company would be required to pledge additional collateral or repay outstanding borrowings. As a requirement of membership in the FHLBB, the Company maintains a certain level of investment in FHLBB stock. Total holdings of FHLBB stock were \$5.0 million at the end of the reporting period.

(10) Employee Benefits

Hanover, as the common employer for all domestic affiliated companies, provided multiple benefit plans to employees and agents of these affiliated companies, including retirement plans. The salaries of employees and agents covered by these plans and the expenses of these plans are charged to the affiliated companies in accordance with an intercompany cost sharing agreement.

A) Defined Benefit Plan

Prior to 2005, THG provided retirement benefits to substantially all of its employees under defined benefit pension plans. These plans were based on a defined benefit cash balance formula, whereby the Company annually provided an allocation to each covered employee based on a percentage of that employee’s eligible salary, similar to a defined contribution plan arrangement. In addition to the cash balance allocation, certain transition group employees, who had met specified age and service requirements as of December 31, 1994, were eligible for a grandfathered benefit based primarily on the employees’ years of service and compensation during their highest five consecutive plan years of employment. The Company’s policy for the plans is to fund at least the minimum amount required by the Employee Retirement Income Security Act of 1974 (“ERISA”).

As of January 1, 2005, the defined benefit pension plans were frozen and, since that date, no further cash balance allocations have been credited to participants. Participants’ accounts are credited with interest daily, based upon the General Agreement of Trades and Tariffs rate (the 30-year Treasury Bond interest rate). In addition, grandfathered benefits for the transition group were also frozen at January 1, 2005 levels with an annual transition pension adjustment calculated at an interest rate equal to 5% per year, up to 35 years of completed service, and 3% thereafter. As of December 31, 2022, based on current estimates of plan liabilities and other assumptions, the assets of the qualified defined benefit pension plan exceeded the projected benefit obligation by approximately \$9.8 million.

In addition to the Company’s pension plans, the Company also has postretirement medical benefits that it provides to former agents and retirees and their dependents. The medical plans provide access to benefits including hospital and major medical, with certain limits, and have varying co-payments and deductibles, depending on the plan. This plan is unfunded.

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A summary of assets, obligations and assumptions of the Pension and Other Postretirement Benefit Plans are as follows at December 31, 2022 and 2021:

| | <u>Overfunded</u> | | <u>Underfunded</u> | |
|--|-------------------|-------------|--------------------|-------------------|
| | 2022 | 2021 | 2022 | 2021 |
| 1) Change in benefit obligation (in thousands) | | | | |
| a) Pension Benefits | | | | |
| 1. Benefit obligation at beginning of year | \$ - | \$ - | \$ 489,567 | \$ 516,272 |
| 2. Service cost | - | - | - | - |
| 3. Interest cost | - | - | 15,271 | 14,914 |
| 4. Contribution by plan participants | - | - | - | - |
| 5. Actuarial gain (loss) | - | - | (82,479) | (8,554) |
| 6. Foreign currency exchange rate changes | - | - | - | - |
| 7. Benefits paid | - | - | (36,142) | (36,322) |
| 8. Plan amendments | - | - | - | 3,257 |
| 9. Business combinations, divestitures, curtailments, settlements and special termination benefits | - | - | - | - |
| 10. Benefit obligation at end of year | <u>\$ -</u> | <u>\$ -</u> | <u>\$ 386,217</u> | <u>\$ 489,567</u> |

| | <u>Overfunded</u> | | <u>Underfunded</u> | |
|--|-------------------|-------------|--------------------|-----------------|
| | 2022 | 2021 | 2022 | 2021 |
| b) Postretirement Benefits (in thousands) | | | | |
| 1. Benefit obligation at beginning of year | \$ - | \$ - | \$ 7,044 | \$ 7,762 |
| 2. Service cost | - | - | - | - |
| 3. Interest cost | - | - | 215 | 214 |
| 4. Contribution by plan participants | - | - | - | - |
| 5. Actuarial gain (loss) | - | - | (897) | 22 |
| 6. Foreign currency exchange rate changes | - | - | - | - |
| 7. Benefits paid | - | - | (892) | (954) |
| 8. Plan amendments | - | - | - | - |
| 9. Business combinations, divestitures, curtailments, settlements and special termination benefits | - | - | - | - |
| 10. Benefit obligation at end of year | <u>\$ -</u> | <u>\$ -</u> | <u>\$ 5,470</u> | <u>\$ 7,044</u> |

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

| | <u>Overfunded</u> | | <u>Underfunded</u> | |
|--|-------------------------|-------------|--------------------------------|------------|
| | 2022 | 2021 | 2022 | 2021 |
| c) Special or Contractual Benefits (in thousands) | | | | |
| 1. Benefit obligation at beginning of year | \$ - | \$ - | \$ 552 | \$ 400 |
| 2. Service cost | - | - | - | - |
| 3. Interest cost | - | - | - | - |
| 4. Contribution by plan participants | - | - | - | - |
| 5. Actuarial gain (loss) | - | - | 48 | (27) |
| 6. Foreign currency exchange rate changes | - | - | - | - |
| 7. Benefits paid | - | - | (309) | (239) |
| 8. Plan amendments | - | - | (123) | 418 |
| 9. Business combinations, divestitures, curtailments, settlements and special termination benefits | - | - | - | - |
| 10. Benefit obligation at end of year | \$ - | \$ - | \$ 168 | \$ 552 |
| | | | | |
| 2) Change in plan assets (in thousands) | | | | |
| | <u>Pension Benefits</u> | | <u>Postretirement Benefits</u> | |
| | 2022 | 2021 | 2022 | 2021 |
| a. Fair value of plan assets at beginning of year | \$ 477,972 | \$ 510,697 | \$ - | \$ - |
| b. Actual return on plan assets | (73,304) | 742 | - | - |
| c. Foreign currency exchange rate changes | - | - | - | - |
| d. Reporting entity contribution | 2,987 | 2,855 | 892 | 954 |
| e. Plan participants' contributions | - | - | - | - |
| f. Benefits paid | (36,142) | (36,322) | (892) | (954) |
| g. Business combinations, divestitures and settlements | - | - | - | - |
| h. Fair value of plan assets at end of year | \$ 371,513 | \$ 477,972 | \$ - | \$ - |
| | | | | |
| 3) Funded Status (in thousands) | | | | |
| | <u>Pension Benefits</u> | | <u>Postretirement Benefits</u> | |
| | 2022 | 2021 | 2022 | 2021 |
| a. Components: | | | | |
| 1. Prepaid benefit costs | \$ - | \$ - | \$ - | \$ - |
| 2. Overfunded plan assets | \$ 9,785 | \$ 19,390 | \$ - | \$ - |
| 3. Accrued benefit costs | \$ 69,993 | \$ 64,998 | \$ (2,756) | \$ (3,116) |
| 4. Liability for pension benefits | \$ (84,697) | \$ (76,593) | \$ (2,714) | \$ (3,928) |
| | | | | |
| b. Assets and liabilities recognized: | | | | |
| 1. Assets (nonadmitted) | \$ 9,785 | \$ 19,390 | \$ - | \$ - |
| 2. Liabilities recognized | \$ (24,489) | \$ (30,985) | \$ (5,470) | \$ (7,044) |
| | | | | |
| c. Unrecognized liabilities | \$ - | \$ - | \$ - | \$ - |

HANOVER INSURANCE OPERATIONS

(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

| | <u>Pension Benefits</u> | | <u>Postretirement Benefits</u> | |
|---|-------------------------|-----------------|--------------------------------|---------------|
| | 2022 | 2021 | 2022 | 2021 |
| 4) Components of net periodic benefit cost (in thousands) | | | | |
| a. Service cost | \$ - | \$ - | \$ - | \$ - |
| b. Interest cost | 15,271 | 14,914 | 215 | 214 |
| c. Expected return on plan assets | (17,216) | (18,431) | - | - |
| d. Transition asset or obligation | - | - | - | - |
| e. Gains and losses | 5,250 | 3,177 | 317 | 342 |
| f. Prior service cost or credit | - | - | - | - |
| g. Gain or loss recognized due to a settlement or curtailment | - | - | - | - |
| h. Total net periodic benefit cost | <u>\$ 3,305</u> | <u>\$ (340)</u> | <u>\$ 532</u> | <u>\$ 556</u> |

5) Amounts in unassigned funds (surplus) recognized as components of net periodic benefit cost (in thousands)

| | <u>Pension Benefits</u> | | <u>Postretirement Benefits</u> | |
|--|-------------------------|------------------|--------------------------------|-----------------|
| | 2022 | 2021 | 2022 | 2021 |
| a. Items not yet recognized as a component of net periodic cost – prior year | \$ 76,593 | \$ 67,379 | \$ 3,928 | \$ 4,249 |
| b. Net transition asset or obligation recognized | - | - | - | - |
| c. Net prior service cost or credit arising during the period | - | - | - | - |
| d. Net prior service cost or credit recognized | - | - | - | - |
| e. Net gain and loss arising during the period | 8,040 | 12,391 | (317) | (342) |
| f. Net gain and loss recognized | <u>(5,255)</u> | <u>(3,177)</u> | <u>(897)</u> | <u>21</u> |
| g. Items not yet recognized as a component of net periodic cost – current year | <u>\$ 79,378</u> | <u>\$ 76,593</u> | <u>\$ 2,714</u> | <u>\$ 3,928</u> |

6) Amounts in unassigned funds (surplus) that have not yet been recognized as components of net periodic benefit cost (in thousands)

| | <u>Pension Benefits</u> | | <u>Postretirement Benefits</u> | |
|---------------------------------------|-------------------------|------------------|--------------------------------|-----------------|
| | 2022 | 2021 | 2022 | 2021 |
| a. Net transition asset or obligation | \$ - | \$ - | \$ - | \$ - |
| b. Net prior service cost or credit | \$ - | \$ - | \$ - | \$ - |
| c. Net recognized gains and losses | <u>\$ 79,378</u> | <u>\$ 76,593</u> | <u>\$ 2,714</u> | <u>\$ 3,928</u> |

7) Weighted-average assumptions used to determine net periodic benefit cost as of the end of the current period:

| | <u>2022</u> | <u>2021</u> |
|---|-------------|-------------|
| 1. Weighted-average discount rate | 3.250% | 3.000% |
| 2. Expected long-term rate of return on plan assets | 3.750% | 3.750% |
| 3. Rate of compensation increase | N/A | N/A |
| 4. Interest crediting rates (for cash balance plans and other plans with promised interest crediting rates) | 3.000% | 3.000% |

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

Weighted-average assumptions used to determine projected benefit obligations as of the end of the current period:

| | 2022 | 2021 |
|---|-------------|-------------|
| 5. Weighted-average discount rate | 6.000% | 3.250% |
| 6. Rate of compensation increase | N/A | N/A |
| 7. Interest crediting rates (for cash balance plans and other plans with promised interest crediting rates) | 3.000% | 3.000% |

The amount of the accumulated benefit obligation for defined benefit pension plans was \$386.2 million and \$489.6 million for 2022 and 2021, respectively.

- 8) The following estimated future payments, which reflect expected future service, as appropriate, are expected to be paid in the years indicated (in millions):

| | Amount |
|----------------------|---------------|
| a. 2023 | \$ 40.4 |
| b. 2024 | 39.4 |
| c. 2025 | 37.5 |
| d. 2026 | 36.3 |
| e. 2027 | 35.6 |
| f. 2028 through 2031 | 150.4 |

The benefit payments are based on the same assumptions used to measure the Company's benefit obligations at the end of 2022. Benefit payments related to the qualified plans will be made from plan assets, whereas those payments related to the non-qualified plans will be provided for by the Company.

- 9) The Company's Pension Plan and Post-Retirement Plans are underfunded by \$14.7 million and \$11.6 million, respectively, at the end of the current and prior reporting period.

B) Plan Assets

Qualified Defined Benefit Plans

For the qualified defined benefit plan, a target allocation approach is utilized, which focuses on creating a mix of assets that will generate modest growth from equity securities while minimizing volatility from changes in the markets and economic environment. Various factors are taken into consideration in determining the appropriate asset mix, such as census data, actuarial valuation information and capital market assumptions. Target allocations are reviewed and updated at least annually. Changes are made periodically.

The following table provides 2022 target allocations and actual invested assets allocations for 2022 and 2021:

| | 2022 TARGET LEVELS | 2022 | 2021 |
|-------------------------------|-----------------------------------|-------------|-------------|
| Fixed income securities: | | | |
| Fixed maturities | 88% | 88% | 88% |
| Money market funds | 2% | 2% | 1% |
| Total fixed income securities | 90% | 90% | 89% |
| Equity securities: | | | |
| Domestic | 10% | 10% | 11% |
| Total plan assets | 100% | 100% | 100% |

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

C) Fair Value of Plan Assets

The following table presents for each hierarchy level the U.S. qualified defined benefit plan's investment assets that are measured at fair value at December 31, 2022.

| (in thousands) | Level 1 | Level 2 | Level 3 | Total |
|---------------------------------|------------------|-------------|------------------|------------------|
| Fixed income securities: | | | | |
| Fixed maturities | \$ 28,231 | \$ - | \$ 14,426 | \$ 42,657 |
| Money market funds | 6,515 | - | - | 6,515 |
| Total investments at fair value | <u>\$ 34,746</u> | <u>\$ -</u> | <u>\$ 14,426</u> | <u>\$ 49,172</u> |

Fixed Income Securities

Securities classified as Level 1 at December 31, 2022 includes actively traded mutual funds and U.S. Treasury Bonds, which are valued at quoted market prices. Securities classified as Level 3 at December 31, 2022 includes assets held in a fixed account of an insurance company. The fair value of the investment is estimated using a comparable public market financial institution derived fair value curve that uses non-observable inputs for market liquidity and unique credit characteristics of its underlying securities.

The Plan also holds investments measured at fair value using NAV based on the value of the underlying investments, which is determined independently by the investment manager and have not been included in the table above. These include cash, investments in commingled pools and investment-grade fixed income securities held in a custom fund, and other commingled pools that primarily invest in publicly traded common stocks and international equity securities. The daily NAV, which is not published as a quoted market price for these investments, is used as the basis for transactions. Redemption of these funds is not subject to restriction.

D) The expected rates of return were determined by using historical mean returns for each asset class, adjusted for certain factors believed to have an impact on future returns. These returns are generally weighted to the plan's actual asset allocation, and are net of administrative expenses. For the qualified defined benefit plan, the 2022 expected return on plan assets of 3.75% reflects long-term expectations and is consistent with the prior year based upon long-term market expectations and expense management efforts. The Company reviews and updates, at least annually, its expected return on plan assets based on changes in the actual assets held by the plan and market conditions.

E) Defined Contribution Plans

In addition to the defined benefit plans, THG provides a qualified defined contribution 401(k) plan for all of its employees, whereby the Company matches employee elective 401(k) contributions, up to a maximum of 6% of eligible compensation in 2022 and 2021. The Company's expense for this matching provision was \$26.4 million and \$25.2 million for 2022 and 2021, respectively. In addition to this matching provision, the Company can elect to make an annual contribution to employees' accounts. There were no additional contributions for the 2022 plan year.

F) Consolidated/Holding Company Plans

The Company, as a common employer for all domestic THG Companies, sponsors the qualified benefit pension plan and other postretirement benefits to retired employees. The Company allocates amounts to affiliates based on salary ratios. Net expense amounts allocated to affiliates were \$0.1 million and \$(0.1) million in 2022 and 2021, respectively for the qualified pension plan, and \$0.1 million for other post retirement benefit plans in 2022 and 2021.

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

(11) Commitments and Contingencies

a) Lease Commitments

The Company has lease agreements for office space throughout the United States with varying expiration dates and options. Certain subsidiaries share space (as well as management and other services). Additionally, the Company leases automobiles, furniture and equipment with varying expiration dates and options. Rental expense for 2022 and 2021 was approximately \$10.7 million and \$10.8 million, respectively.

Future minimum rental payments are as follows (in thousands):

| <u>Years ending December 31,</u> | <u>Total Commitments</u> |
|----------------------------------|--------------------------|
| 2023 | \$ 8,459 |
| 2024 | 6,077 |
| 2025 | 3,271 |
| 2026 | 1,993 |
| 2027 | 1,387 |
| 2028 and thereafter | 117 |
| Total | <u>\$ 21,304</u> |

b) Structured Settlements

The Company purchased annuity contracts from various life insurance companies to settle certain claims in accordance with policyholder claims settlement elections. When the contract is purchased, the corresponding loss reserve is satisfied and eliminated. In certain prior year cases where a legal release of liability was not obtained from the claimant, the liability for any remaining future claim payments reverts to the Company in the event that the life insurer is unable to meet its obligation. As of December 31, 2022 and 2021, this contingent liability amounted to \$15.7 million and \$15.9 million, respectively, and represents the present value of the annuities reported by the issuing companies. For the years ended December 31, 2022 and 2021, legal releases of liability were obtained for all claim settlement elections of this nature.

c) Regulatory and Industry Developments

Unfavorable economic conditions may contribute to an increase in the number of insurance companies that are under regulatory supervision. This may result in an increase in mandatory assessments by state guaranty funds, or voluntary payments by solvent insurance companies to cover losses to policyholders of insolvent or rehabilitated companies. Mandatory assessments, which are subject to statutory limits, can be partially recovered through reduction in future premium taxes in some states. The Company is not able to reasonably estimate the potential effect of any such future assessments or voluntary payments.

The Terrorism Risk Insurance Act of 2002 first established the Terrorism Risk Insurance Program (the "Program"). Coverage under the Program applies to workers' compensation, commercial multiple peril and certain other Commercial Lines policies for direct written policies. The Program will expire in December 2027. All commercial property and casualty insurers participate in the Program. Under the Program, a participating issuer, in exchange for making terrorism insurance available, may be entitled to be reimbursed by the Federal government for a portion of its aggregate losses. The Program does not cover losses in surety, Personal Lines or certain other lines of business.

As required by the Program, the Company offers policyholders in specific lines of commercial insurance the option to elect terrorism coverage. In order for a loss to be reinsured under the Program, the loss must meet aggregate industry loss minimums and must be the result of an act of terrorism as certified by the Secretary of the Treasury in consultation with the Secretary of Homeland Security and the U.S. Attorney General. Losses from events which do not qualify or are not so certified will not receive the benefit of the Program. Such losses may be deemed covered losses under the insured's policy whether or not terrorism coverage was purchased. The

HANOVER INSURANCE OPERATIONS

(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

current Program requires insurance carriers to retain 20% of any claims from a certified terrorist event in excess of the federally mandated deductible in 2022, subject to an annual industry-wide cap of \$100 billion. The federally mandated deductible represents 18% of direct earned premium for the covered lines of business of the prior year.

Other Matters

The Company has been named a defendant in various other legal proceedings arising in the normal course of business. In addition, the Company is involved from time to time, in examinations, investigations and proceedings, by governmental and self-regulatory agencies. The potential outcome of any such action or regulatory proceedings in which the Company has been named a defendant or the subject of an inquiry or investigation, and its ultimate liability, if any, from such action or regulatory proceedings, is difficult to predict at this time. The ultimate resolutions of such proceedings are not expected to have a material effect on its financial position, although they could have a material effect on the results of operations for a particular quarter or annual period.

d) Residual Markets

The Company is required to participate in residual markets in various states. The results of the residual markets are not subject to the predictability associated with the Company's own managed business, and can be significant to the workers' compensation and private and commercial automobile lines of business.

(12) Capital Stock and Surplus

The capital stock, paid-in capital and surplus amounts included in these financial statements reflect the combined capital and surplus accounts of Hanover, Mass Bay, Hanover American, Hanover Casualty, Hanover NJ, AFAIC, National, AFBIC, CICI, Verlan, Nova, ASIC, and Campmed. The following companies are wholly-owned subsidiaries of Hanover: Mass Bay, Hanover American, Hanover Casualty, Hanover NJ, AFAIC, AFBIC, Verlan, National, Nova, and Campmed.

The following table presents the stock information for each individual company combined in these financial statements:

| | Par Value (per share) | Authorized Shares | Issued/Outstanding Shares |
|----------------------|--------------------------|-------------------|------------------------------|
| Hanover | \$ 1 | 20,861,784 | 5,000,000 |
| Mass Bay (1) | \$ 500 | 10,000 | 10,000 |
| Hanover American (1) | \$ 500 | 10,000 | 10,000 |
| Hanover Casualty (1) | \$ 100 | 25,000 | 25,000 |
| Hanover NJ (1) | \$ 500 | 10,000 | 10,000 |
| AFAIC (1) | \$ 500 | 10,000 | 10,000 |
| National (1) | \$ 500 | 2,000 | 2,000 |
| AFBIC (1) | \$ 100 | 42,000 | 42,000 |
| CICI | \$ 500 | 20,000 | 3,000 |
| Verlan (1) | \$ 500 | 10,000 | 10,000 |
| Nova (1) | \$ 300 | 14,000 | 14,000 |
| ASIC (1) | \$ 1 | 5,000,000 | 5,000,000 |
| Campmed (1) | \$ 1,000 | 3,000 | 3,000 |

(1)The capital and surplus accounts have been eliminated in combination.

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

The payment of dividends by the Company is subject to limitations imposed by the domiciling state's insurance code. Under the New Hampshire, Michigan, Illinois, New York, Delaware, and Texas insurance codes, unless permitted by the applicable Insurance Commissioner, cash dividends may be paid by the individual Companies only from their respective earnings and statutory surplus.

Pursuant to the statutes in the state of New Hampshire, the maximum ordinary dividend and other distributions that an insurer may pay in any twelve-month period, without prior approval of the applicable Insurance Commissioner, is limited to the lesser of 10% of such insurer's statutory policyholder surplus as of the preceding December 31 or net income. Pursuant to the statutes in the state of Michigan, the maximum dividend and other distributions that an insurer may pay in any twelve-month period, without prior approval of the applicable Insurance Commissioner, is limited to the greater of 10% of such insurer's statutory policyholder surplus as of the preceding December 31 or net income excluding realized capital gains of the immediately preceding calendar year. Pursuant to the statutes in the state of Illinois, the maximum ordinary dividend and other distributions that an insurer may pay in any twelve-month period, without prior approval of the applicable Insurance Commissioner, is limited to the greater of 10% of statutory policyholder surplus as of the preceding December 31 or net income. Pursuant to the state of New York's statute, the maximum dividend and other distribution that an insurer may pay in any twelve-month period, without prior approval of the New York Insurance Commissioner, is limited to the lesser of 10% of statutory policyholder surplus as of the end of the prior year or net investment income, not to exceed earned surplus. Pursuant to the statutes in the state of Delaware, the maximum dividend and other distributions that an insurer may pay in any twelve-month period, without prior approval of the applicable Insurance Commissioner, is limited to the greater of 10% of such insurer's statutory policyholder surplus as of the preceding December 31 or net income excluding realized capital gains of the immediately preceding year, not to exceed earned surplus. Pursuant to the state of Texas' statute, the maximum dividend and other distributions that an insurer may pay in any twelve-month period, without prior approval of the applicable Insurance Commissioner, is limited to the greater of 10% of such insurer's statutory policyholder surplus as of the preceding December 31 or net income. Pursuant to the Bermuda Monetary Authority ("BMA"), the company is prohibited from declaring or paying a dividend if its Class 3A statutory capital and surplus is less than its Enhanced Capital Requirement, or if it is in breach of its solvency margin or minimum liquidity ratio, or if the declaration or payment of such dividend would cause such breach. Further, the Company is prohibited from paying in any year dividends of more than 25% of its statutory capital and surplus unless it files (at least seven days before payment of such dividends) with the BMA an affidavit stating that it will continue to meet its solvency margin and minimum liquidity ratio.

Hanover declared an ordinary dividend of \$100.0 million to Opus on May 16, 2022. Accordingly, the maximum dividend that may be declared payable at January 1, 2023 without prior approval is \$168.3 million. The maximum dividend that may be declared payable subsequent to May 16, 2023 without prior approval is \$268.3 million.

Hanover Casualty declared an ordinary dividend of \$0.8 million to Hanover on November 3, 2022. Accordingly, the maximum dividend that may be paid at January 1, 2023 without prior approval is \$19.7 thousand. The maximum dividend that may be declared and payable subsequent to November 3, 2023 is \$0.8 million.

Hanover NJ declared an ordinary dividend of \$0.1 million and an extraordinary dividend of \$4.6 million upon approval of the New Hampshire Insurance Commissioner to Hanover on June 28, 2022. The Company cannot declare a further dividend to Hanover.

National declared an ordinary dividend of \$0.3 million to Hanover on November 3, 2022. Accordingly, the maximum dividend that may be paid at January 1, 2023 without prior approval is \$0.1 million. Subsequent to November 3, 2023, the maximum dividend payable without prior approval is \$0.4 million.

Verlan declared an ordinary dividend to Hanover of \$0.6 million on November 3, 2022. Accordingly, no further dividends may be declared without approval until November 3, 2023, at which time the maximum dividend payable is \$0.5 million.

HANOVER INSURANCE OPERATIONS

(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

Campmed declared an ordinary dividend of \$0.4 million on November 3, 2022. Accordingly, no further dividends may be declared without approval until November 3, 2023, at which time the maximum dividend payable is \$0.4 million.

The maximum dividend that may be paid at January 1, 2023 without prior approval from the applicable Insurance Commissioner for Mass Bay, Hanover American, AFAIC, AFBIC, CICI, Nova, ASIC and Hanover Atlantic is \$2.7 million, \$2.4 million, \$0.8 million, \$7.7 million, \$0.8 million, \$2.1 million, \$2.5 million and \$12.7 million, respectively. No dividends were declared by Mass Bay, Hanover American, AFAIC, AFBIC, CICI, Nova, ASIC and Hanover Atlantic in 2022.

(13) High Deductibles

The following table summarizes high deductible recoverables (in thousands):

| | 2022 | 2021 |
|---|----------|----------|
| <u>Workers Compensation</u> | | |
| Gross Loss Reserves | \$ 372 | \$ 411 |
| Reserve Credit for High Deductibles | 372 | 411 |
| Billed Recoverables on Paid Claims | 53 | 31 |
| Total Recoverables | \$ 425 | \$ 442 |
| <u>Other Liability - Occurrence</u> | | |
| Gross Loss Reserves | \$ 2,774 | \$ 4,494 |
| Reserve Credit for High Deductibles | 1,920 | 1,729 |
| Billed Recoverables on Paid Claims | 127 | 55 |
| Total Recoverables | \$ 2,047 | \$ 1,784 |

(14) Subsequent Events

Subsequent events have been evaluated in accordance with SSAP No. 9, *Subsequent Events*, through May 26, 2023.

(15) Other Items

a) Unusual or Infrequent Items

On November 3, 2021, the Michigan Catastrophic Claims Association (“MCCA”) Board voted unanimously to return approximately \$3.0 billion of its estimated surplus to policyholders through its member insurance companies. The action occurred because the association’s surplus was deemed to have increased beyond a level necessary to cover its expected losses and expenses. Because policyholders are the ultimate payers of the MCCA premium, this return of MCCA surplus passed through to policyholders. The refund was paid to policyholders and fully resolved by the second quarter of 2022. As of December 31, 2021, the refund due to policyholders was recorded as an aggregate write-in liability and the refund receivable was recorded as an aggregate write-in asset in the Company’s financial statements. There was no effect on surplus or the income statement.

b) Insurance-Linked Securities (ILS) Contracts

| | Outstanding ILS Contracts | Maximum Proceeds (in thousands) |
|--------------------------------------|------------------------------|------------------------------------|
| Management of Risk Related To: | | |
| (1) Directly-Written Insurance Risks | | |
| ILS Contracts as Ceding Insurer | 1 | \$150,000 |

HANOVER INSURANCE OPERATIONS

(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Notes to Combined Statutory Financial Statements

Effective July 1, 2022, the Company has catastrophe protection through a per occurrence excess of loss reinsurance agreement with Commonwealth Re Ltd. ("Commonwealth Re"), an independent company, licensed as a Special Purpose Insurer in Bermuda. The reinsurance agreement meets the requirements to be accounted for as reinsurance in accordance with the guidance for reinsurance contracts. In connection with the reinsurance agreement, Commonwealth Re issued notes (generally referred to as "catastrophe bonds") to investors in amounts totaling \$150.0 million, consistent with the amount of coverage provided under the reinsurance agreement as described below. The proceeds were deposited in a reinsurance trust account.

The reinsurance agreement provides coverage of up to \$150.0 million to the Company through June 30, 2025, for catastrophe losses from named tropical storms or hurricanes, including all events or perils directly resulting from such storm or storm system, which may include, by way of example and not limitation, hurricane, wind, gusts, typhoon, hail, rain, tornadoes, cyclones, ensuing flood, storm surge, water damage, fire following, sprinkler leakage, riots, vandalism, and collapse. For events up to and including June 30, 2025, the Company is entitled to begin recovering amounts under this reinsurance agreement if the covered losses in the covered area for a single occurrence reach an initial attachment amount of \$1.3 billion. The full \$150.0 million coverage amount is available until such covered losses reach a maximum \$1.45 billion. The attachment level and the maximum level (or exhaustion level) under this agreement may be reset annually to adjust the expected loss of the layer within a predetermined range. The coverage under the reinsurance agreement is limited to specified personal and commercial property coverage written in the following geographies in the United States: Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont and Virginia. The Company has not incurred any losses that have resulted or expected to result in recovery under this agreement since its inception.

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Combining Statutory Financial Information

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of the Hanover Insurance Company)

Combining Statutory Statements of Admitted Assets,
Liabilities and Capital Stock and Surplus
As of December 31, 2022

(In thousands)

| | The Hanover Insurance Company | Massachusetts Bay Insurance Company | The Hanover American Insurance Company | The Hanover Casualty Company | The Hanover New Jersey Insurance Company | Allmerica Financial Alliance Insurance Company | Allmerica Financial Benefit Insurance Company | Citizens Insurance Company of Illinois | Verlan Fire Insurance Company | The Hanover National Insurance Company | NOVA Casualty Company | AIX Specialty Insurance Company | Campmed Casualty & Indemnity Company | Eliminations | Combined Balances |
|--|-------------------------------------|---|---|------------------------------------|---|--|---|---|-------------------------------------|---|-----------------------------|--|---|---------------------|----------------------|
| <u>Admitted Assets</u> | | | | | | | | | | | | | | | |
| Investments: | | | | | | | | | | | | | | | |
| Bonds | \$ 6,306,692 | \$ 78,256 | \$ 37,184 | \$ 7,907 | \$ - | \$ 22,915 | \$ 75,575 | \$ 6,313 | \$ 25,540 | \$ 11,672 | \$ 42,206 | \$ 54,670 | \$ 19,255 | \$ - | \$ 6,688,185 |
| Preferred stocks | 11,245 | - | - | - | - | - | - | - | - | - | - | - | - | - | 11,245 |
| Common stocks | 175,644 | - | - | - | - | - | - | - | - | - | - | - | - | - | 175,644 |
| Investments in common stock of subsidiaries | 1,239,201 | - | - | - | - | - | - | - | - | - | 53,104 | - | - | (443,291) | 849,014 |
| Mortgage loans | 182,595 | - | - | - | - | - | - | - | - | - | - | - | - | - | 182,595 |
| Real Estate | 41,481 | - | - | - | - | - | - | - | - | - | - | - | - | - | 41,481 |
| Other invested assets | 519,996 | - | - | - | - | - | - | - | - | - | - | - | - | - | 519,996 |
| Cash and short-term investments | (22,202) | 358 | 1,108 | 258 | 5,223 | 328 | 576 | 1,464 | 191 | 432 | 4,523 | 974 | 544 | - | (6,223) |
| Receivable for securities | 200 | 5 | 1 | - | 100 | 17 | 537 | - | 1 | - | 395 | - | 285 | - | 1,541 |
| Total cash and investments | 8,454,852 | 78,619 | 38,293 | 8,165 | 5,323 | 23,260 | 76,688 | 7,777 | 25,732 | 12,104 | 100,228 | 55,644 | 20,084 | (443,291) | 8,463,478 |
| Accrued investment income | 42,283 | 589 | 264 | 48 | 8 | 158 | 514 | 29 | 178 | 73 | 249 | 390 | 118 | - | 44,901 |
| Premiums receivable | 1,340,095 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1,340,095 |
| Reinsurance recoverable on paid losses | 62,726 | - | - | - | - | - | - | - | - | - | - | - | - | - | 62,726 |
| Deposits with and equity in underwriting associations | 42,707 | - | - | - | - | - | - | - | - | - | - | - | - | - | 42,707 |
| Net deferred tax asset | 175,027 | - | - | - | - | - | - | - | - | - | 932 | 717 | - | (141) | 176,535 |
| Federal and foreign income tax recoverable | 21,690 | - | - | 1 | - | - | - | - | - | - | - | 1 | - | (44) | 21,648 |
| Receivables from parent, subsidiaries and affiliates | (1,196) | 45 | 77 | - | 25 | - | - | - | - | - | - | - | - | 1,727 | 678 |
| Notes receivable from affiliates | 126,757 | - | - | - | - | - | - | - | - | - | - | - | - | - | 126,757 |
| Other assets | 48,819 | - | - | - | - | - | - | - | - | - | - | - | - | - | 48,819 |
| Total admitted assets | \$ 10,313,760 | \$ 79,253 | \$ 38,634 | \$ 8,214 | \$ 5,356 | \$ 23,418 | \$ 77,202 | \$ 7,806 | \$ 25,910 | \$ 12,177 | \$ 101,409 | \$ 56,752 | \$ 20,202 | \$ (441,749) | \$ 10,328,344 |
| <u>Liabilities and Capital Stock and Surplus</u> | | | | | | | | | | | | | | | |
| Liabilities: | | | | | | | | | | | | | | | |
| Reserve for losses and loss adjustment expenses | \$ 4,830,239 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 4,830,239 |
| Unearned premiums | 2,297,094 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2,297,094 |
| Ceded reinsurance premiums payable | 61,503 | - | - | - | - | - | - | - | - | - | 1,460 | 3,581 | - | - | 66,544 |
| Payable to parent, subsidiaries and affiliates | 21,454 | - | - | 1 | - | 1 | 7 | 1 | 3 | 1 | 4 | 5 | 2 | 1,727 | 23,206 |
| Commissions payable | 145,677 | - | - | - | - | - | - | - | - | - | - | - | - | - | 145,677 |
| Funds held under reinsurance treaties | 1,773 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1,773 |
| General expenses payable | 144,501 | - | - | - | - | - | - | - | - | - | - | - | - | - | 144,501 |
| Payable for securities | 29,836 | - | - | - | - | - | - | - | - | - | - | - | - | - | 29,836 |
| Federal and foreign income tax payable | - | 14 | 1 | - | - | 5 | 6 | 9 | - | 1 | 8 | - | - | (44) | - |
| Net deferred tax liability | - | 45 | 6 | 16 | - | 12 | 12 | 5 | 23 | 7 | - | - | 15 | (141) | - |
| Other liabilities | 99,120 | - | - | - | - | - | - | - | - | - | - | - | - | - | 99,120 |
| Total liabilities | 7,631,197 | 59 | 7 | 17 | - | 18 | 25 | 15 | 26 | 9 | 1,472 | 3,586 | 17 | 1,542 | 7,637,990 |
| Commitments and contingencies (Note 8) | | | | | | | | | | | | | | | |
| Capital stock and surplus: | | | | | | | | | | | | | | | |
| Capital stock | 5,000 | 5,000 | 5,000 | 2,500 | 5,000 | 5,000 | 4,200 | 1,500 | 5,000 | 1,000 | 4,200 | 5,000 | 3,000 | (44,900) | 6,500 |
| Additional paid in capital | 146,231 | 44,000 | 19,600 | 2,500 | 277 | 9,000 | 55,000 | 4,000 | 500 | 9,000 | 82,917 | 45,668 | 7,000 | (275,462) | 150,231 |
| Unassigned surplus | 2,531,332 | 30,194 | 14,027 | 3,197 | 79 | 9,400 | 17,977 | 2,291 | 20,384 | 2,168 | 12,820 | 2,498 | 10,185 | (122,929) | 2,533,623 |
| Total capital stock and surplus | 2,682,563 | 79,194 | 38,627 | 8,197 | 5,356 | 23,400 | 77,177 | 7,791 | 25,884 | 12,168 | 99,937 | 53,166 | 20,185 | (443,291) | 2,690,354 |
| Total liabilities and capital stock and surplus | \$ 10,313,760 | \$ 79,253 | \$ 38,634 | \$ 8,214 | \$ 5,356 | \$ 23,418 | \$ 77,202 | \$ 7,806 | \$ 25,910 | \$ 12,177 | \$ 101,409 | \$ 56,752 | \$ 20,202 | \$ (441,749) | \$ 10,328,344 |

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of the Hanover Insurance Company)

Combining Statutory Statements of Income
Year ended December 31, 2022

(In thousands)

| | The Hanover Insurance Company | Massachusetts Bay Insurance Company | The Hanover American Insurance Company | The Hanover Casualty Company | The Hanover New Jersey Insurance Company | Allmerica Financial Alliance Insurance Company | Allmerica Financial Benefit Insurance Company | Citizens Insurance Company of Illinois | Verlan Fire Insurance Company | The Hanover National Insurance Company | NOVA Casualty Company | AIX Specialty Insurance Company | Campmed Casualty & Indemnity Company | Eliminations | Combined Balances |
|--|-------------------------------------|---|---|---------------------------------------|---|--|---|---|-------------------------------------|--|-----------------------------|--|---|--------------|----------------------|
| Underwriting: | | | | | | | | | | | | | | | |
| Net premiums written | \$ 4,490,659 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 4,490,659 |
| Increase in unearned premiums | (212,787) | - | - | - | - | - | - | - | - | - | - | - | - | - | (212,787) |
| Net premiums earned | 4,277,872 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4,277,872 |
| Losses incurred | 2,399,080 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2,399,080 |
| Loss adjustment expenses incurred | 513,407 | - | - | - | - | - | - | - | - | - | - | - | - | - | 513,407 |
| Underwriting expenses incurred | 1,456,456 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1,456,456 |
| Net underwriting gain | (91,071) | - | - | - | - | - | - | - | - | - | - | - | - | - | (91,071) |
| Net investment income | 309,010 | 1,877 | 1,130 | 224 | 418 | 473 | 1,546 | 111 | 643 | 297 | 973 | 1,382 | 448 | (6,789) | 311,743 |
| Net realized gains (losses) on investments, net of taxes | 38,836 | (7) | (1) | (20) | (2,502) | (4) | 1 | - | (5) | (3) | (6) | (12) | (2) | - | 36,275 |
| Policyholder dividend expense | (3,655) | - | - | - | - | - | - | - | - | - | - | - | - | - | (3,655) |
| Other expenses, net | 13,300 | - | - | - | - | - | - | - | - | - | - | - | - | - | 13,300 |
| Income before federal income tax expense | 266,420 | 1,870 | 1,129 | 204 | (2,084) | 469 | 1,547 | 111 | 638 | 294 | 967 | 1,370 | 446 | (6,789) | 266,592 |
| Federal income tax expense | 35,610 | 373 | 230 | 45 | 85 | 101 | 304 | 34 | 129 | 59 | 182 | 287 | 91 | - | 37,530 |
| Net income | \$ 230,810 | \$ 1,497 | \$ 899 | \$ 159 | \$ (2,169) | \$ 368 | \$ 1,243 | \$ 77 | \$ 509 | \$ 235 | \$ 785 | \$ 1,083 | \$ 355 | \$ (6,789) | \$ 229,062 |

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of the Hanover Insurance Company)

Combining Statutory Statements of Changes in Capital Stock and Surplus
Year ended December 31, 2022

(In thousands)

| | The Hanover Insurance Company | Massachusetts Bay Insurance Company | The Hanover American Insurance Company | The Hanover Casualty Company | The Hanover New Jersey Insurance Company | Allmerica Financial Alliance Insurance Company | Allmerica Financial Benefit Insurance Company | Citizens Insurance Company of Illinois | Verlan Fire Insurance Company | The Hanover National Insurance Company | NOVA Casualty Insurance Company | AIX Specialty Insurance Company | Campmed Casualty & Indemnity Company | Eliminations | Combined Balances |
|--|-------------------------------------|---|---|---------------------------------------|---|--|---|---|-------------------------------------|--|--|--|---|---------------------|----------------------|
| Balance at beginning of year | \$ 2,713,292 | \$ 65,698 | \$ 34,731 | \$ 8,836 | \$ 30,946 | \$ 20,026 | \$ 70,941 | \$ 6,703 | \$ 25,929 | \$ 12,235 | \$ 101,029 | \$ 54,194 | \$ 20,231 | \$ (444,796) | \$ 2,719,995 |
| Net income | 230,810 | 1,497 | 899 | 159 | (2,169) | 368 | 1,243 | 77 | 509 | 235 | 785 | 1,083 | 355 | (6,789) | 229,062 |
| Net unrealized gains (losses) on investments | (180,217) | - | - | - | - | - | - | - | - | - | (1,091) | - | - | 5,782 | (175,526) |
| Change in net deferred income taxes | 11,088 | (1) | (3) | 2 | 520 | 6 | (7) | 11 | (4) | (2) | 183 | 561 | (1) | - | 12,353 |
| Change in non-admitted assets | 8,672 | - | - | - | (479) | - | - | - | - | - | (969) | (2,672) | - | - | 4,552 |
| Change in provision for unauthorized reinsurance | (130) | - | - | - | - | - | - | - | - | - | - | - | - | - | (130) |
| Paid in Surplus | - | 12,000 | 3,000 | - | (18,723) | 3,000 | 5,000 | 1,000 | - | - | - | - | - | (4,277) | 1,000 |
| Dividends to stockholder | (100,000) | - | - | (800) | (4,739) | - | - | - | (550) | (300) | - | - | (400) | 6,789 | (100,000) |
| Pensions, net of tax and amounts allocated to affiliates | (952) | - | - | - | - | - | - | - | - | - | - | - | - | - | (952) |
| Balance at end of year | \$ <u>2,682,563</u> | \$ <u>79,194</u> | \$ <u>38,627</u> | \$ <u>8,197</u> | \$ <u>5,356</u> | \$ <u>23,400</u> | \$ <u>77,177</u> | \$ <u>7,791</u> | \$ <u>25,884</u> | \$ <u>12,168</u> | \$ <u>99,937</u> | \$ <u>53,166</u> | \$ <u>20,185</u> | \$ <u>(443,291)</u> | \$ <u>2,690,354</u> |

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of the Hanover Insurance Company)

Combining Statutory Statements of Cash Flow
Year ended December 31, 2022

(In thousands)

| | The Hanover Insurance Company | Massachusetts Bay Insurance Company | The Hanover American Insurance Company | The Hanover Casualty Company | The Hanover New Jersey Insurance Company | Allmerica Financial Alliance Insurance Company | Allmerica Financial Benefit Insurance Company | Citizens Insurance Company of Illinois | Verlan Fire Insurance Company | The Hanover National Insurance Company | NOVA Casualty Insurance Company | AIX Specialty Insurance Company | Campmed Casualty & Indemnity Company | Eliminations | Combined Balances |
|--|-------------------------------------|---|---|------------------------------------|---|--|---|---|-------------------------------------|---|--|--|---|----------------|----------------------|
| Cash provided: | | | | | | | | | | | | | | | |
| From operations: | | | | | | | | | | | | | | | |
| Premiums collected, net | \$ 4,372,478 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,459 | \$ 3,345 | \$ - | \$ - | \$ 4,377,282 |
| Investment income received, net | 271,660 | 1,914 | 1,187 | 217 | 469 | 482 | 1,717 | 86 | 647 | 299 | 995 | 1,353 | 429 | (1,519) | 279,936 |
| Miscellaneous income (expense) | 6,585 | - | - | - | - | - | - | - | - | - | - | - | - | - | 6,585 |
| Loss related payments | (2,020,629) | - | - | - | - | - | - | - | - | - | 2,381 | - | - | - | (2,018,248) |
| Expenses paid | (1,897,936) | - | - | - | - | (5) | - | - | - | - | - | - | - | - | (1,897,941) |
| Dividends to policyholders | (2,719) | - | - | - | - | - | - | - | - | - | - | - | - | - | (2,719) |
| Federal income taxes paid | (94,214) | (351) | (223) | (45) | (76) | (100) | (300) | (24) | (127) | (57) | (151) | (317) | (89) | - | (96,074) |
| Net cash provided by (used in) operations | <u>635,225</u> | <u>1,563</u> | <u>964</u> | <u>172</u> | <u>393</u> | <u>377</u> | <u>1,417</u> | <u>62</u> | <u>520</u> | <u>242</u> | <u>4,684</u> | <u>4,381</u> | <u>340</u> | <u>(1,519)</u> | <u>648,821</u> |
| From investments: | | | | | | | | | | | | | | | |
| From investments sold, matured or repaid: | | | | | | | | | | | | | | | |
| Proceeds from bonds | 747,559 | 7,348 | 2,925 | 1,009 | 8,563 | 2,053 | 6,588 | 1,320 | 2,457 | 1,282 | 5,118 | 4,907 | 2,614 | - | 793,743 |
| Proceeds from common and preferred stocks | 298,667 | - | - | - | - | - | - | - | - | - | - | - | - | - | 298,667 |
| Proceeds from mortgage loans | 5,386 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5,386 |
| Other invested assets | 82,245 | - | - | - | - | - | - | - | - | - | - | - | - | - | 82,245 |
| Net losses on cash, CE and ST inv | (5) | - | - | - | - | - | - | - | - | - | - | - | - | - | (5) |
| Miscellaneous proceeds | 8,740 | - | 298 | - | - | - | - | - | - | - | - | - | - | (399) | 8,639 |
| Total investment proceeds | <u>1,142,592</u> | <u>7,348</u> | <u>3,223</u> | <u>1,009</u> | <u>8,563</u> | <u>2,053</u> | <u>6,588</u> | <u>1,320</u> | <u>2,457</u> | <u>1,282</u> | <u>5,118</u> | <u>4,907</u> | <u>2,614</u> | <u>(399)</u> | <u>1,188,675</u> |
| Cost of investments acquired: | | | | | | | | | | | | | | | |
| Bonds | 1,582,000 | 9,256 | 3,338 | 1,174 | - | 2,628 | 8,529 | 1,999 | 2,411 | 1,197 | 6,533 | 7,050 | 2,226 | - | 1,628,341 |
| Common and preferred stocks | 66,981 | - | - | - | - | - | - | - | - | - | - | - | - | 4,147 | 71,128 |
| Mortgage loans | 9,990 | - | - | - | - | - | - | - | - | - | - | - | - | - | 9,990 |
| Real Estate | 2,492 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2,492 |
| Other invested assets | 95,276 | - | - | - | - | - | - | - | - | - | - | - | - | - | 95,276 |
| Miscellaneous applications | - | 4 | - | - | - | 9 | 3 | 5 | 1 | - | 377 | - | - | (399) | - |
| Total investment acquired | <u>1,756,739</u> | <u>9,260</u> | <u>3,338</u> | <u>1,174</u> | <u>-</u> | <u>2,637</u> | <u>8,532</u> | <u>2,004</u> | <u>2,412</u> | <u>1,197</u> | <u>6,910</u> | <u>7,050</u> | <u>2,226</u> | <u>3,748</u> | <u>1,807,227</u> |
| Net cash (used in) provided by investments | <u>(614,147)</u> | <u>(1,912)</u> | <u>(115)</u> | <u>(165)</u> | <u>8,563</u> | <u>(584)</u> | <u>(1,944)</u> | <u>(684)</u> | <u>45</u> | <u>85</u> | <u>(1,792)</u> | <u>(2,143)</u> | <u>388</u> | <u>(4,147)</u> | <u>(618,552)</u> |
| From financing and miscellaneous sources: | | | | | | | | | | | | | | | |
| Capital and paid in surplus | - | 291 | 128 | - | (4,809) | 163 | 80 | 1,000 | - | - | - | - | - | 4,147 | 1,000 |
| Dividends to stockholder | (1,161) | - | - | (269) | - | - | - | - | (550) | (300) | - | - | (400) | 1,519 | (1,161) |
| Other, net | (16,045) | (1) | (1) | (1) | (28) | - | - | - | - | - | (945) | (2,662) | - | - | (19,683) |
| Net cash (used in) provided by financing and miscellaneous sources | <u>(17,206)</u> | <u>290</u> | <u>127</u> | <u>(270)</u> | <u>(4,837)</u> | <u>163</u> | <u>80</u> | <u>1,000</u> | <u>(550)</u> | <u>(300)</u> | <u>(945)</u> | <u>(2,662)</u> | <u>(400)</u> | <u>5,666</u> | <u>(19,844)</u> |
| Net change in cash and short-term investments | 3,872 | (59) | 976 | (263) | 4,119 | (44) | (447) | 378 | 15 | 27 | 1,947 | (424) | 328 | - | 10,425 |
| Cash and short-term investments at beginning of year | <u>\$ (26,074)</u> | <u>\$ 417</u> | <u>\$ 132</u> | <u>\$ 521</u> | <u>\$ 1,104</u> | <u>\$ 372</u> | <u>\$ 1,023</u> | <u>\$ 1,086</u> | <u>\$ 176</u> | <u>\$ 405</u> | <u>\$ 2,576</u> | <u>\$ 1,398</u> | <u>\$ 216</u> | <u>\$ -</u> | <u>\$ (16,648)</u> |
| Cash and short-term investments at end of year | <u>\$ (22,202)</u> | <u>\$ 358</u> | <u>\$ 1,108</u> | <u>\$ 258</u> | <u>\$ 5,223</u> | <u>\$ 328</u> | <u>\$ 576</u> | <u>\$ 1,464</u> | <u>\$ 191</u> | <u>\$ 432</u> | <u>\$ 4,523</u> | <u>\$ 974</u> | <u>\$ 544</u> | <u>\$ -</u> | <u>\$ (6,223)</u> |

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of the Hanover Insurance Company)

Combining Statutory Statements of Admitted Assets,
Liabilities and Capital Stock and Surplus
As of December 31, 2021

(In thousands)

| | The Hanover Insurance Company | Massachusetts Bay Insurance Company | The Hanover American Insurance Company | The Hanover Casualty Company | The Hanover New Jersey Insurance Company | Allmerica Financial Alliance Insurance Company | Allmerica Financial Benefit Insurance Company | Citizens Insurance Company of Illinois | Verlan Fire Insurance Company | The Hanover National Insurance Company | NOVA Casualty Company | AIX Specialty Insurance Company | Campmed Casualty & Indemnity Company | Eliminations | Combined Balances |
|--|-------------------------------------|---|---|------------------------------------|---|--|---|---|-------------------------------------|---|-----------------------------|--|---|---------------------|----------------------|
| <u>Admitted Assets</u> | | | | | | | | | | | | | | | |
| Investments: | | | | | | | | | | | | | | | |
| Bonds | \$ 5,575,981 | \$ 64,778 | \$ 34,002 | \$ 8,283 | \$ 29,601 | \$ 19,518 | \$ 68,901 | \$ 5,617 | \$ 25,587 | \$ 11,758 | \$ 40,807 | \$ 52,534 | \$ 19,632 | \$ - | \$ 5,956,999 |
| Preferred stocks | 13,328 | - | - | - | - | - | - | - | - | - | - | - | - | - | 13,328 |
| Common stocks | 485,963 | - | - | - | - | - | - | - | - | - | - | - | - | - | 485,963 |
| Investments in common stock of subsidiaries | 1,267,349 | - | - | - | - | - | - | - | - | - | 54,194 | - | - | (444,796) | 876,747 |
| Mortgage loans | 178,007 | - | - | - | - | - | - | - | - | - | - | - | - | - | 178,007 |
| Real Estate | 43,164 | - | - | - | - | - | - | - | - | - | - | - | - | - | 43,164 |
| Other invested assets | 511,093 | - | - | - | - | - | - | - | - | - | - | - | - | - | 511,093 |
| Cash and short-term investments | (26,074) | 417 | 132 | 521 | 1,104 | 372 | 1,023 | 1,086 | 176 | 405 | 2,576 | 1,398 | 216 | - | (16,648) |
| Receivable for securities | 11,427 | 2 | 300 | - | 100 | 8 | 533 | - | - | - | 17 | - | 285 | - | 12,672 |
| Total cash and investments | 8,060,238 | 65,197 | 34,434 | 8,804 | 30,805 | 19,898 | 70,457 | 6,703 | 25,763 | 12,163 | 97,594 | 53,932 | 20,133 | (444,796) | 8,061,325 |
| Accrued investment income | 37,618 | 487 | 218 | 49 | 179 | 146 | 499 | 21 | 186 | 76 | 254 | 366 | 110 | - | 40,209 |
| Premiums receivable | 1,204,357 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1,204,357 |
| Reinsurance recoverable on paid losses | 54,537 | - | - | - | - | - | - | - | - | - | 2,382 | - | - | (2,382) | 54,537 |
| Deposits with and equity in underwriting associations | 37,642 | - | - | - | - | - | - | - | - | - | - | - | - | - | 37,642 |
| Net deferred tax asset | 128,354 | - | - | - | - | - | - | - | - | - | 773 | 156 | - | (180) | 129,103 |
| Federal and foreign income tax recoverable | - | 15 | 6 | 1 | 5 | - | - | - | 2 | 2 | 30 | - | 3 | (64) | - |
| Receivables from parent, subsidiaries and affiliates | (1,014) | 43 | 76 | - | - | - | - | - | - | - | - | 4 | - | 2,075 | 1,184 |
| Notes receivable from affiliates | 126,757 | - | - | - | - | - | - | - | - | - | - | - | - | - | 126,757 |
| Other assets | 43,356 | - | - | - | - | - | - | - | - | - | - | - | - | - | 43,356 |
| Total admitted assets | \$ 9,691,845 | \$ 65,742 | \$ 34,734 | \$ 8,854 | \$ 30,989 | \$ 20,044 | \$ 70,956 | \$ 6,724 | \$ 25,951 | \$ 12,241 | \$ 101,033 | \$ 54,458 | \$ 20,246 | \$ (445,347) | \$ 9,698,470 |
| <u>Liabilities and Capital Stock and Surplus</u> | | | | | | | | | | | | | | | |
| Liabilities: | | | | | | | | | | | | | | | |
| Reserve for losses and loss adjustment expenses | \$ 4,360,371 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 4,360,371 |
| Unearned premiums | 2,084,307 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2,084,307 |
| Ceded reinsurance premiums payable | 49,881 | - | - | - | - | - | - | - | - | - | - | 236 | - | - | 50,117 |
| Payable to parent, subsidiaries and affiliates | 34,283 | - | - | 1 | 2 | 1 | 6 | 1 | 3 | 1 | 4 | - | 2 | 2,075 | 36,379 |
| Commissions payable | 133,896 | - | - | - | - | - | - | - | - | - | - | - | - | - | 133,896 |
| Funds held under reinsurance treaties | 1,685 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1,685 |
| General expenses payable | 173,425 | - | - | - | - | - | - | - | - | - | - | - | - | - | 173,425 |
| Payable for securities | 32,323 | - | - | - | - | - | - | 4 | - | - | - | - | - | - | 32,327 |
| Federal and foreign income tax payable | 15,002 | - | - | - | - | - | 4 | - | - | - | - | 28 | - | (64) | 14,970 |
| Net deferred tax liability | - | 44 | 3 | 17 | 41 | 17 | 5 | 16 | 19 | 5 | - | - | 13 | (180) | - |
| Other liabilities | 93,380 | - | - | - | - | - | - | - | - | - | - | - | - | (2,382) | 90,998 |
| Total liabilities | 6,978,553 | 44 | 3 | 18 | 43 | 18 | 15 | 21 | 22 | 6 | 4 | 264 | 15 | (551) | 6,978,475 |
| Commitments and contingencies (Note 8) | | | | | | | | | | | | | | | |
| Capital stock and surplus: | | | | | | | | | | | | | | | |
| Capital stock | 5,000 | 5,000 | 5,000 | 2,500 | 5,000 | 5,000 | 4,200 | 1,500 | 5,000 | 1,000 | 4,200 | 5,000 | 3,000 | (44,900) | 6,500 |
| Additional paid in capital | 146,231 | 32,000 | 16,600 | 2,500 | 19,000 | 6,000 | 50,000 | 3,000 | 500 | 9,000 | 82,917 | 45,668 | 7,000 | (271,185) | 149,231 |
| Unassigned surplus | 2,562,061 | 28,698 | 13,131 | 3,836 | 6,946 | 9,026 | 16,741 | 2,203 | 20,429 | 2,235 | 13,912 | 3,526 | 10,231 | (128,711) | 2,564,264 |
| Total capital stock and surplus | 2,713,292 | 65,698 | 34,731 | 8,836 | 30,946 | 20,026 | 70,941 | 6,703 | 25,929 | 12,235 | 101,029 | 54,194 | 20,231 | (444,796) | 2,719,995 |
| Total liabilities and capital stock and surplus | \$ 9,691,845 | \$ 65,742 | \$ 34,734 | \$ 8,854 | \$ 30,989 | \$ 20,044 | \$ 70,956 | \$ 6,724 | \$ 25,951 | \$ 12,241 | \$ 101,033 | \$ 54,458 | \$ 20,246 | \$ (445,347) | \$ 9,698,470 |

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of the Hanover Insurance Company)

Combining Statutory Statements of Income
Year ended December 31, 2021

(In thousands)

| | The Hanover Insurance Company | Massachusetts Bay Insurance Company | The Hanover American Insurance Company | The Hanover Casualty Company | The Hanover New Jersey Insurance Company | Allmerica Financial Alliance Insurance Company | Allmerica Financial Benefit Insurance Company | Citizens Insurance Company of Illinois | Verlan Fire Insurance Company | The Hanover National Insurance Company | NOVA Casualty Company | AIX Specialty Insurance Company | Campmed Casualty & Indemnity Company | Eliminations | Combined Balances |
|--|-------------------------------------|---|---|---------------------------------------|---|--|---|---|-------------------------------------|--|-----------------------------|--|---|--------------|----------------------|
| Underwriting: | | | | | | | | | | | | | | | |
| Net premiums written | \$ 4,035,499 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 4,035,499 |
| Increase in unearned premiums | (190,367) | - | - | - | - | - | - | - | - | - | - | - | - | - | (190,367) |
| Net premiums earned | 3,845,132 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3,845,132 |
| Losses incurred | 2,006,125 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2,006,125 |
| Loss adjustment expenses incurred | 479,192 | - | - | - | - | - | - | - | - | - | - | - | - | - | 479,192 |
| Underwriting expenses incurred | 1,334,433 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1,334,433 |
| Net underwriting gain | 25,382 | - | - | - | - | - | - | - | - | - | - | - | - | - | 25,382 |
| Net investment income | 335,192 | 1,695 | 924 | 265 | 821 | 496 | 1,433 | 88 | 708 | 338 | 3,010 | 1,520 | 506 | (4,700) | 342,296 |
| Net realized gains (losses) on investments, net of taxes | 11,431 | (42) | (41) | 18 | 47 | (5) | 14 | - | (1) | (5) | (14) | 74 | (4) | - | 11,472 |
| Policyholder dividend expense | (3,289) | - | - | - | - | - | - | - | - | - | - | - | - | - | (3,289) |
| Other expenses, net | 9,506 | - | - | - | - | - | - | - | - | - | - | - | - | - | 9,506 |
| Income before federal income tax expense | 378,222 | 1,653 | 883 | 283 | 868 | 491 | 1,447 | 88 | 707 | 333 | 2,996 | 1,594 | 502 | (4,700) | 385,367 |
| Federal income tax expense | 64,773 | 348 | 190 | 45 | 131 | 105 | 292 | 22 | 140 | 61 | 138 | 224 | 96 | - | 66,565 |
| Net income | \$ 313,449 | \$ 1,305 | \$ 693 | \$ 238 | \$ 737 | \$ 386 | \$ 1,155 | \$ 66 | \$ 567 | \$ 272 | \$ 2,858 | \$ 1,370 | \$ 406 | \$ (4,700) | \$ 318,802 |

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of the Hanover Insurance Company)

Combining Statutory Statements of Changes in Capital Stock and Surplus
Year ended December 31, 2021

(In thousands)

| | The Hanover Insurance Company | Massachusetts Bay Insurance Company | The Hanover American Insurance Company | The Hanover Casualty Company | The Hanover New Jersey Insurance Company | Allmerica Financial Alliance Insurance Company | Allmerica Financial Benefit Insurance Company | Citizens Insurance Company of Illinois | Verlan Fire Insurance Company | The Hanover National Insurance Company | NOVA Casualty Insurance Company | AIX Specialty Insurance Company | Campmed Casualty & Indemnity Company | Eliminations | Combined Balances |
|--|-------------------------------------|---|---|---------------------------------------|---|--|---|---|-------------------------------------|--|--|--|---|---------------------|----------------------|
| Balance at beginning of year | \$ 2,582,876 | \$ 64,384 | \$ 34,032 | \$ 9,506 | \$ 30,832 | \$ 19,634 | \$ 59,770 | \$ 5,634 | \$ 25,967 | \$ 12,165 | \$ 95,295 | \$ 55,802 | \$ 20,229 | \$ (427,616) | \$ 2,588,510 |
| Net income | 313,449 | 1,305 | 693 | 238 | 737 | 386 | 1,155 | 66 | 567 | 272 | 2,858 | 1,370 | 406 | (4,700) | 318,802 |
| Net unrealized gains (losses) on investments | 67,883 | - | - | - | - | - | - | - | - | - | (1,607) | - | - | (7,180) | 59,096 |
| Change in net deferred income taxes | 7,355 | 9 | 6 | (8) | (23) | 6 | 16 | 3 | (5) | (2) | (1,219) | 148 | (4) | - | 6,282 |
| Change in non-admitted assets | 1,954 | - | - | - | - | - | - | - | - | - | 5,702 | (1,126) | - | - | 6,530 |
| Change in provision for unauthorized reinsurance | 466 | - | - | - | - | - | - | - | - | - | - | - | - | - | 466 |
| Paid in Surplus | - | - | - | - | - | - | 10,000 | 1,000 | - | - | - | - | - | (10,000) | 1,000 |
| Dividends to stockholder | (255,000) | - | - | (900) | (600) | - | - | - | (600) | (200) | - | (2,000) | (400) | 4,700 | (255,000) |
| Pensions, net of tax and amounts allocated to affiliates | (5,691) | - | - | - | - | - | - | - | - | - | - | - | - | - | (5,691) |
| Balance at end of year | \$ <u>2,713,292</u> | \$ <u>65,698</u> | \$ <u>34,731</u> | \$ <u>8,836</u> | \$ <u>30,946</u> | \$ <u>20,026</u> | \$ <u>70,941</u> | \$ <u>6,703</u> | \$ <u>25,929</u> | \$ <u>12,235</u> | \$ <u>101,029</u> | \$ <u>54,194</u> | \$ <u>20,231</u> | \$ <u>(444,796)</u> | \$ <u>2,719,995</u> |

HANOVER INSURANCE OPERATIONS
(Consisting of wholly-owned subsidiaries of the Hanover Insurance Company)

Combining Statutory Statements of Cash Flow
Year ended December 31, 2021

(In thousands)

| | The Hanover Insurance Company | Massachusetts Bay Insurance Company | The Hanover American Insurance Company | The Hanover Casualty Company | The Hanover New Jersey Insurance Company | Allmerica Financial Alliance Insurance Company | Allmerica Financial Benefit Insurance Company | Citizens Insurance Company of Illinois | Verlan Fire Insurance Company | The Hanover National Insurance Company | NOVA Casualty Insurance Company | AIX Specialty Insurance Company | Campmed Casualty & Indemnity Company | Eliminations | Combined Balances |
|--|-------------------------------------|---|---|------------------------------------|---|--|---|---|-------------------------------------|---|--|--|---|-----------------|----------------------|
| Cash provided: | | | | | | | | | | | | | | | |
| From operations: | | | | | | | | | | | | | | | |
| Premiums collected, net | \$ 3,992,129 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ (3,525) | \$ 236 | \$ - | \$ - | \$ 3,988,840 |
| Investment income received, net | 264,412 | 1,831 | 1,052 | 267 | 807 | 512 | 1,663 | 66 | 729 | 344 | 1,856 | 1,537 | 516 | (917) | 274,675 |
| Miscellaneous income (expense) | 6,984 | - | - | - | - | - | - | - | - | - | - | - | - | - | 6,984 |
| Loss related payments | (1,686,192) | - | - | - | - | - | - | - | 1 | - | (2,382) | 1,343 | - | - | (1,687,230) |
| Expenses paid | (1,767,386) | - | - | - | - | - | - | - | - | - | - | - | - | - | (1,767,386) |
| Dividends to policyholders | (2,951) | - | - | - | - | - | - | - | - | - | - | - | - | - | (2,951) |
| Federal income taxes paid | (62,235) | (354) | (184) | (56) | (170) | (117) | (297) | (21) | (151) | (75) | (266) | (194) | (106) | - | (64,226) |
| Net cash provided by (used in) operations | <u>744,761</u> | <u>1,477</u> | <u>868</u> | <u>211</u> | <u>637</u> | <u>395</u> | <u>1,366</u> | <u>45</u> | <u>579</u> | <u>269</u> | <u>(4,317)</u> | <u>2,922</u> | <u>410</u> | <u>(917)</u> | <u>748,706</u> |
| From investments: | | | | | | | | | | | | | | | |
| From investments sold, matured or repaid: | | | | | | | | | | | | | | | |
| Proceeds from bonds | 1,075,304 | 9,922 | 7,085 | 1,363 | 4,567 | 2,846 | 7,345 | 1,120 | 3,760 | 2,103 | 3,904 | 7,557 | 3,133 | - | 1,130,009 |
| Proceeds from common and preferred stocks | 58,775 | - | - | - | - | - | - | - | - | - | - | - | - | - | 58,775 |
| Proceeds from mortgage loans | 175 | - | - | - | - | - | - | - | - | - | - | - | - | - | 175 |
| Other invested assets | 151,534 | - | - | - | - | - | - | - | - | - | - | - | - | - | 151,534 |
| Net losses on cash, CE and ST inv | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Miscellaneous proceeds | 24,305 | 627 | - | - | - | - | 570 | - | - | - | - | - | - | (25,502) | - |
| Total investment proceeds | <u>1,310,093</u> | <u>10,549</u> | <u>7,085</u> | <u>1,363</u> | <u>4,567</u> | <u>2,846</u> | <u>7,915</u> | <u>1,120</u> | <u>3,760</u> | <u>2,103</u> | <u>3,904</u> | <u>7,557</u> | <u>3,133</u> | <u>(25,502)</u> | <u>1,340,493</u> |
| Cost of investments acquired: | | | | | | | | | | | | | | | |
| Bonds | 1,706,642 | 11,734 | 8,289 | 1,242 | 9,437 | 3,052 | 10,429 | 1,468 | 5,086 | 2,548 | 6,370 | 8,203 | 3,685 | - | 1,778,185 |
| Common and preferred stocks | 68,124 | - | - | - | - | - | - | - | - | - | - | - | - | (1,154) | 66,970 |
| Mortgage loans | 62,049 | - | - | - | - | - | - | - | - | - | - | - | - | - | 62,049 |
| Real Estate | 2,808 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2,808 |
| Other invested assets | 68,933 | - | - | - | - | - | - | - | - | - | - | - | - | - | 68,933 |
| Miscellaneous applications | - | - | 48 | - | 100 | 9 | - | - | - | - | 12 | - | - | (25,502) | (25,333) |
| Total investment acquired | <u>1,908,556</u> | <u>11,734</u> | <u>8,337</u> | <u>1,242</u> | <u>9,537</u> | <u>3,061</u> | <u>10,429</u> | <u>1,468</u> | <u>5,086</u> | <u>2,548</u> | <u>6,382</u> | <u>8,203</u> | <u>3,685</u> | <u>(26,656)</u> | <u>1,953,612</u> |
| Net cash (used in) provided by investments | <u>(598,463)</u> | <u>(1,185)</u> | <u>(1,252)</u> | <u>121</u> | <u>(4,970)</u> | <u>(215)</u> | <u>(2,514)</u> | <u>(348)</u> | <u>(1,326)</u> | <u>(445)</u> | <u>(2,478)</u> | <u>(646)</u> | <u>(552)</u> | <u>1,154</u> | <u>(613,119)</u> |
| From financing and miscellaneous sources: | | | | | | | | | | | | | | | |
| Capital and paid in surplus | - | - | - | - | - | - | 1,154 | 1,000 | - | - | - | - | - | (1,154) | 1,000 |
| Dividends to stockholder | (88,994) | - | - | (285) | (131) | - | - | - | (43) | (145) | - | (268) | (45) | 917 | (88,994) |
| Other, net | (26,348) | (27) | (42) | - | (1) | - | - | - | - | - | 5,724 | (1,135) | - | - | (21,829) |
| Net cash (used in) provided by financing and miscellaneous sources | <u>(115,342)</u> | <u>(27)</u> | <u>(42)</u> | <u>(285)</u> | <u>(132)</u> | <u>-</u> | <u>1,154</u> | <u>1,000</u> | <u>(43)</u> | <u>(145)</u> | <u>5,724</u> | <u>(1,403)</u> | <u>(45)</u> | <u>(237)</u> | <u>(109,823)</u> |
| Net change in cash and short-term investments | 30,956 | 265 | (426) | 47 | (4,465) | 180 | 6 | 697 | (790) | (321) | (1,071) | 873 | (187) | - | 25,764 |
| Cash and short-term investments at beginning of year | <u>\$ (57,030)</u> | <u>\$ 152</u> | <u>\$ 558</u> | <u>\$ 474</u> | <u>\$ 5,569</u> | <u>\$ 192</u> | <u>\$ 1,017</u> | <u>\$ 389</u> | <u>\$ 966</u> | <u>\$ 726</u> | <u>\$ 3,647</u> | <u>\$ 525</u> | <u>\$ 403</u> | <u>\$ -</u> | <u>\$ (42,412)</u> |
| Cash and short-term investments at end of year | <u>\$ (26,074)</u> | <u>\$ 417</u> | <u>\$ 132</u> | <u>\$ 521</u> | <u>\$ 1,104</u> | <u>\$ 372</u> | <u>\$ 1,023</u> | <u>\$ 1,086</u> | <u>\$ 176</u> | <u>\$ 405</u> | <u>\$ 2,576</u> | <u>\$ 1,398</u> | <u>\$ 216</u> | <u>\$ -</u> | <u>\$ (16,648)</u> |

HANOVER INSURANCE OPERATIONS

(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

Supplemental Schedule of Reinsurance Disclosures

1. Disclose any risks reinsured under a quota share reinsurance contract, entered into, renewed or amended on or after January 1, 1994, with any other entity that includes a provision that would limit the reinsurer's losses below the stated quota share percentage (e.g. a deductible, a loss ratio corridor, a loss cap, an aggregate limit or any similar provisions)? If yes, indicate the number of reinsurance contracts containing such provisions and if the amount of reinsurance credit taken reflects the reduction in quota share coverage caused by any applicable limiting provision(s).

4 – The amount of reinsurance credit taken reflects the reduction in quota share coverage caused by any applicable limiting provision(s).

2. Disclose if the reporting entity ceded any risk under any reinsurance contract (or under multiple contracts with the same reinsurer or its affiliates), entered into, renewed or amended on or after January 1, 1994, for which during the period covered by the statement: (i) it recorded a positive or negative underwriting result greater than 5% of prior year-end surplus as regards policyholders or it reported calendar year written premium ceded or year-end loss and loss expense reserves ceded greater than 5% of prior year-end surplus as regards policyholders; (ii) it accounted for that contract as reinsurance and not as a deposit; and (iii) the contract(s) contain one or more of the following features that would have similar results:

- a. A contract term longer than two years and the contract is noncancellable by the reporting entity during the contract term;
- b. A limited or conditional cancellation provision under which cancellation triggers an obligation by the reporting entity, or an affiliate of the reporting entity, to enter into a new reinsurance contract with the reinsurer, or an affiliate of the reinsurer;
- c. Aggregate stop loss reinsurance coverage;
- d. An unconditional or unilateral right by either party (or both parties) to commute the reinsurance contract, whether conditional or not, except for such provisions which are only triggered by a decline in the credit status of the other party;
- e. A provision permitting reporting of losses, or payment of losses, less frequently than on a quarterly basis (unless there is no activity during the period); or
- f. Payment schedules, accumulating retentions from multiple years or any features inherently designed to delay timing of the reimbursement to the ceding entity.

Not applicable

3. Disclose if the reporting entity during the period covered by the statement ceded any risk under any reinsurance contract (or under multiple contracts with the same reinsurer or its affiliates), for which, during the period covered by the statement, it recorded a positive or negative underwriting result greater than 5% of prior year-end surplus as regards policyholders or it reported calendar year written premium ceded or year-end loss and loss expense reserves ceded greater than 5% of prior year-end surplus as regards policyholders; entered into, renewed or amended on or after January 1, 1994, excluding cessions to approved pooling arrangements or to captive insurance companies that are directly or indirectly controlling, controlled by, or under common control with (i) one or more unaffiliated policyholders of the reporting entity, or (ii) an association of which one or more unaffiliated policyholders of the reporting entity is a member, where:

HANOVER INSURANCE OPERATIONS

(Consisting of wholly-owned subsidiaries of Opus Investment Management, Inc.)

- a. The written premium ceded to the reinsurer by the reporting entity or its affiliates represents fifty percent (50%) or more of the entire direct and assumed premium written by the reinsurer based on its most recently available financial statement; or
- b. Twenty-five percent (25%) or more of the written premium ceded to the reinsurer has been retroceded back to the reporting entity or its affiliates in a separate reinsurance contract.

Not applicable

4. If affirmative disclosure is required for items 2 or 3 above, provide the following information for each reinsurance contracts entered into, renewed or amended on or after January 1, 1994:

- a. The aggregate financial statement impact gross of all such ceded reinsurance contracts on the balance sheet and statement of income;
- b. A summary of the reinsurance contract terms and indicate whether it applies to the contracts meeting items 2 or 3; and
- c. A brief discussion of management's principal objectives in entering into the reinsurance contract including the economic purposes to be achieved.

Not applicable

5. Except for transactions meeting the requirements of paragraph 30 of SSAP No. 62 - Property and Casualty Reinsurance, disclose if the reporting entity ceded any risk under any reinsurance contract (or multiple contracts with the same reinsurer or its affiliates), entered into, renewed or amended on or after January 1, 1994, during the period covered by the financial statement, and either:

- a. Accounted for that contract as reinsurance (either prospective or retroactive) under statutory accounting principles ("SAP") and as a deposit under generally accepted accounting principles ("GAAP"); or
- b. Accounted for that contract as reinsurance under GAAP and as a deposit under SAP?

Not applicable

6. If affirmative disclosure is required for item 5 above, explain why the contract(s) is (are) treated differently for GAAP and SAP.

Not applicable

ANNUAL STATEMENT FOR THE YEAR 2022 OF THE HANOVER INSURANCE COMPANY

SUMMARY INVESTMENT SCHEDULE

| Investment Categories | Gross Investment Holdings | | Admitted Assets as Reported in the Annual Statement | | | |
|--|---------------------------|--|---|--|-----------------------------------|--|
| | 1 Amount | 2 Percentage of Column 1 Line 13 | 3 Amount | 4 Securities Lending Reinvested Collateral Amount | 5 Total (Col. 3 + 4) Amount | 6 Percentage of Column 5 Line 13 |
| 1. Long-Term Bonds (Schedule D, Part 1): | | | | | | |
| 1.01 U.S. governments | 217,440,516 | 2.572 | 217,440,516 | 0 | 217,440,516 | 2.572 |
| 1.02 All other governments | 105,484 | 0.001 | 105,484 | 0 | 105,484 | 0.001 |
| 1.03 U.S. states, territories and possessions, etc. guaranteed | 121,558,174 | 1.438 | 121,558,174 | 0 | 121,558,174 | 1.438 |
| 1.04 U.S. political subdivisions of states, territories, and possessions, guaranteed | 104,471,015 | 1.236 | 104,471,015 | 0 | 104,471,015 | 1.236 |
| 1.05 U.S. special revenue and special assessment obligations, etc. non-guaranteed | 1,514,572,826 | 17.912 | 1,514,572,826 | 0 | 1,514,572,826 | 17.912 |
| 1.06 Industrial and miscellaneous | 4,288,670,889 | 50.719 | 4,288,670,889 | 0 | 4,288,670,889 | 50.724 |
| 1.07 Hybrid securities | 4,835,784 | 0.057 | 4,835,784 | 0 | 4,835,784 | 0.057 |
| 1.08 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.09 SVO identified funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.10 Unaffiliated bank loans | 55,037,030 | 0.651 | 55,037,030 | 0 | 55,037,030 | 0.651 |
| 1.11 Unaffiliated certificates of deposit | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.12 Total long-term bonds | 6,306,691,718 | 74.585 | 6,306,691,718 | 0 | 6,306,691,718 | 74.593 |
| 2. Preferred stocks (Schedule D, Part 2, Section 1): | | | | | | |
| 2.01 Industrial and miscellaneous (Unaffiliated) | 11,244,560 | 0.133 | 11,244,560 | 0 | 11,244,560 | 0.133 |
| 2.02 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.03 Total preferred stocks | 11,244,560 | 0.133 | 11,244,560 | 0 | 11,244,560 | 0.133 |
| 3. Common stocks (Schedule D, Part 2, Section 2): | | | | | | |
| 3.01 Industrial and miscellaneous Publicly traded (Unaffiliated) | 154,521,524 | 1.827 | 154,521,523 | 0 | 154,521,523 | 1.828 |
| 3.02 Industrial and miscellaneous Other (Unaffiliated) | 4,991,400 | 0.059 | 4,991,400 | 0 | 4,991,400 | 0.059 |
| 3.03 Parent, subsidiaries and affiliates Publicly traded | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.04 Parent, subsidiaries and affiliates Other | 1,240,036,531 | 14.665 | 1,239,200,743 | 0 | 1,239,200,743 | 14.657 |
| 3.05 Mutual funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.06 Unit investment trusts | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.07 Closed-end funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.08 Exchange traded funds | 16,131,273 | 0.191 | 16,131,274 | 0 | 16,131,274 | 0.191 |
| 3.09 Total common stocks | 1,415,680,728 | 16.742 | 1,414,844,939 | 0 | 1,414,844,939 | 16.734 |
| 4. Mortgage loans (Schedule B): | | | | | | |
| 4.01 Farm mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.02 Residential mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.03 Commercial mortgages | 182,595,147 | 2.159 | 182,595,147 | 0 | 182,595,147 | 2.160 |
| 4.04 Mezzanine real estate loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.05 Total valuation allowance | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.06 Total mortgage loans | 182,595,147 | 2.159 | 182,595,147 | 0 | 182,595,147 | 2.160 |
| 5. Real estate (Schedule A): | | | | | | |
| 5.01 Properties occupied by company | 41,481,387 | 0.491 | 41,481,387 | 0 | 41,481,387 | 0.491 |
| 5.02 Properties held for production of income | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.03 Properties held for sale | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.04 Total real estate | 41,481,387 | 0.491 | 41,481,387 | 0 | 41,481,387 | 0.491 |
| 6. Cash, cash equivalents and short-term investments: | | | | | | |
| 6.01 Cash (Schedule E, Part 1) | (78,007,786) | (0.923) | (78,007,786) | 0 | (78,007,786) | (0.923) |
| 6.02 Cash equivalents (Schedule E, Part 2) | 42,223,876 | 0.499 | 42,223,876 | 0 | 42,223,876 | 0.499 |
| 6.03 Short-term investments (Schedule DA) | 13,581,631 | 0.161 | 13,581,631 | 0 | 13,581,631 | 0.161 |
| 6.04 Total cash, cash equivalents and short-term investments | (22,202,279) | (0.263) | (22,202,279) | 0 | (22,202,279) | (0.263) |
| 7. Contract loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 8. Derivatives (Schedule DB) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 9. Other invested assets (Schedule BA) | 519,995,691 | 6.150 | 519,995,691 | 0 | 519,995,691 | 6.150 |
| 10. Receivables for securities | 200,282 | 0.002 | 200,282 | 0 | 200,282 | 0.002 |
| 11. Securities Lending (Schedule DL, Part 1)..... | 0 | 0.000 | 0 | XXX | XXX | XXX |
| 12. Other invested assets (Page 2, Line 11) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 13. Total invested assets | 8,455,687,234 | 100.000 | 8,454,851,445 | 0 | 8,454,851,445 | 100.000 |



SUPPLEMENTAL INVESTMENT RISKS INTERROGATORIES

For The Year Ended December 31, 2022
(To Be Filed by April 1)

Of The HANOVER INSURANCE COMPANY.....
 ADDRESS (City, State and Zip Code) Worcester , MA 01653-0002
 NAIC Group Code 0088 NAIC Company Code 22292 Federal Employer's Identification Number (FEIN) 13-5129825

The Investment Risks Interrogatories are to be filed by April 1. They are also to be included with the Audited Statutory Financial Statements.

Answer the following interrogatories by reporting the applicable U.S. dollar amounts and percentages of the reporting entity's total admitted assets held in that category of investments.

1. Reporting entity's total admitted assets as reported on Page 2 of this annual statement.\$ 10,313,759,982

2. Ten largest exposures to a single issuer/borrower/investment.

| | 1 | 2 | 3 | 4 |
|------|---|-------------------------|---------------------|-------------------------------------|
| | Issuer | Description of Exposure | Amount | Percentage of Total Admitted Assets |
| 2.01 | Citizens Ins. Co. of America (174746) | Subsidiary Stock | \$678,356,990 | 6.6 % |
| 2.02 | FEDERAL NATIONAL MORTGAGE ASSOCIATION | Bonds | \$528,844,374 | 5.1 % |
| 2.03 | FEDERAL HOME LOAN MORTGAGE CORP | Bonds | \$433,172,976 | 4.2 % |
| 2.04 | Citizens Ins. Co. of the Midwest (17474@) | Subsidiary Stock | \$110,371,915 | 1.1 % |
| 2.05 | Nova Casualty Co. (66977#) | Subsidiary Stock | \$99,777,929 | 1.0 % |
| 2.06 | Massachusetts Bay Ins. Co.(57544#) | Subsidiary Stock | \$79,028,750 | 0.8 % |
| 2.07 | Allmerica Fin. Benefit Ins. Co. (01976#) | Subsidiary Stock | \$77,177,331 | 0.7 % |
| 2.08 | Hanover Atlantic Ins. Co. Ltd.(G4279@) | Subsidiary Stock | \$50,895,461 | 0.5 % |
| 2.09 | Hanover American Ins. Co. (41070*) | Subsidiary Stock | \$38,627,228 | 0.4 % |
| 2.10 | MINNESOTA ST HSG FIN AGY (60416Q) .. | Bonds | \$36,174,506 | 0.4 % |

3. Amounts and percentages of the reporting entity's total admitted assets held in bonds and preferred stocks by NAIC designation.

| | Bonds | 1 | 2 | Preferred Stocks | 3 | 4 | |
|------|--------------|-----------------------|-------------|------------------|--------------|-------------------|------------|
| 3.01 | NAIC 1 | \$4,264,420,407 |41.3 % | 3.07 | NAIC 1 | \$0 |0.0 % |
| 3.02 | NAIC 2 | \$1,788,641,950 |17.3 % | 3.08 | NAIC 2 | \$4,800,000 |0.0 % |
| 3.03 | NAIC 3 | \$125,199,305 |1.2 % | 3.09 | NAIC 3 | \$0 |0.0 % |
| 3.04 | NAIC 4 | \$129,742,136 |1.3 % | 3.10 | NAIC 4 | \$0 |0.0 % |
| 3.05 | NAIC 5 | \$11,363,020 |0.1 % | 3.11 | NAIC 5 | \$0 |0.0 % |
| 3.06 | NAIC 6 | \$906,531 |0.0 % | 3.12 | NAIC 6 | \$6,444,560 |0.1 % |

4. Assets held in foreign investments:

| | | | |
|--|--|---------------------|-------------|
| 4.01 | Are assets held in foreign investments less than 2.5% of the reporting entity's total admitted assets? | Yes [] No [X] | |
| If response to 4.01 above is yes, responses are not required for interrogatories 5 - 10. | | | |
| 4.02 | Total admitted assets held in foreign investments..... | \$470,841,251 | 4.6 % |
| 4.03 | Foreign-currency-denominated investments | \$0 | 0.0 % |
| 4.04 | Insurance liabilities denominated in that same foreign currency | \$0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER INSURANCE COMPANY

5. Aggregate foreign investment exposure categorized by NAIC sovereign designation:

| | 1 | 2 |
|---|----------------|-------|
| 5.01 Countries designated NAIC-1 | \$ 469,341,927 | 4.6 % |
| 5.02 Countries designated NAIC-2 | \$ 0 | 0.0 % |
| 5.03 Countries designated NAIC-3 or below | \$ 1,499,324 | 0.0 % |

6. Largest foreign investment exposures by country, categorized by the country's NAIC sovereign designation:

| | 1 | 2 |
|---|----------------|-------|
| Countries designated NAIC - 1: | | |
| 6.01 Country 1: Great Britain | \$ 117,644,698 | 1.1 % |
| 6.02 Country 2: Japan | \$ 76,105,186 | 0.7 % |
| Countries designated NAIC - 2: | | |
| 6.03 Country 1: | \$ 0 | 0.0 % |
| 6.04 Country 2: | \$ 0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 6.05 Country 1: | \$ 0 | 0.0 % |
| 6.06 Country 2: | \$ 0 | 0.0 % |

| | 1 | 2 |
|---|------|-------|
| 7. Aggregate unhedged foreign currency exposure | \$ 0 | 0.0 % |

8. Aggregate unhedged foreign currency exposure categorized by NAIC sovereign designation:

| | 1 | 2 |
|---|------|-------|
| 8.01 Countries designated NAIC-1 | \$ 0 | 0.0 % |
| 8.02 Countries designated NAIC-2 | \$ 0 | 0.0 % |
| 8.03 Countries designated NAIC-3 or below | \$ 0 | 0.0 % |

9. Largest unhedged foreign currency exposures by country, categorized by the country's NAIC sovereign designation:

| | 1 | 2 |
|---|------|-------|
| Countries designated NAIC - 1: | | |
| 9.01 Country 1: | \$ 0 | 0.0 % |
| 9.02 Country 2: | \$ 0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 9.03 Country 1: | \$ 0 | 0.0 % |
| 9.04 Country 2: | \$ 0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 9.05 Country 1: | \$ 0 | 0.0 % |
| 9.06 Country 2: | \$ 0 | 0.0 % |

10. Ten largest non-sovereign (i.e. non-governmental) foreign issues:

| | 1 | 2 | 3 | 4 |
|--|---------|------------------------|---------------|-------|
| | Issuer | NAIC Designation | | |
| 10.01 Hanover Atlantic Ins. Co. Ltd. (G42790) | | Subsidiary Stock | \$ 50,895,461 | 0.5 % |
| 10.02 MITSUBISHI UFJ FINANCIAL GROUP INC | 1 | ..... | \$ 23,568,528 | 0.2 % |
| 10.03 SUMITOMO MITSUI BANKING CORP | 1 | ..... | \$ 19,818,183 | 0.2 % |
| 10.04 BNP PARIBAS SA | 1 and 2 | ..... | \$ 19,353,580 | 0.2 % |
| 10.05 UBS GROUP AG | 1 | ..... | \$ 18,974,223 | 0.2 % |
| 10.06 WESTPAC BANKING CORP (961214) | 1 | ..... | \$ 17,562,023 | 0.2 % |
| 10.07 LLOYDS BANKING GROUP PLC | 1 | ..... | \$ 15,770,215 | 0.2 % |
| 10.08 BPCE SA | 1 and 2 | ..... | \$ 14,676,989 | 0.1 % |
| 10.09 TAKEDA PHARMACEUTICAL CO LTD | 2 | ..... | \$ 14,498,764 | 0.1 % |
| 10.10 AUSTRALIA AND NEW ZEALAND BANKING GROUP LTD (052528) | 2 | ..... | \$ 14,235,216 | 0.1 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER INSURANCE COMPANY

11. Amounts and percentages of the reporting entity's total admitted assets held in Canadian investments and unhedged Canadian currency exposure:

| | | | | | |
|--|---|-----|-------------------------------------|----|--------------------------|
| 11.01 | Are assets held in Canadian investments less than 2.5% of the reporting entity's total admitted assets? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| If response to 11.01 is yes, detail is not required for the remainder of interrogatory 11. | | | | | |
| | | 1 | | 2 | |
| 11.02 | Total admitted assets held in Canadian investments | \$ | 0 | | 0.0 % |
| 11.03 | Canadian-currency-denominated investments | \$ | 0 | | 0.0 % |
| 11.04 | Canadian-denominated insurance liabilities | \$ | 0 | | 0.0 % |
| 11.05 | Unhedged Canadian currency exposure | \$ | 0 | | 0.0 % |

12. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments with contractual sales restrictions:

| | | | | | |
|--|--|-----|-------------------------------------|----|--------------------------|
| 12.01 | Are assets held in investments with contractual sales restrictions less than 2.5% of the reporting entity's total admitted assets? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| If response to 12.01 is yes, responses are not required for the remainder of Interrogatory 12. | | | | | |
| | | 1 | | 2 | 3 |
| 12.02 | Aggregate statement value of investments with contractual sales restrictions | \$ | 0 | | 0.0 % |
| Largest three investments with contractual sales restrictions: | | | | | |
| 12.03 | ..... | \$ | 0 | | 0.0 % |
| 12.04 | ..... | \$ | 0 | | 0.0 % |
| 12.05 | ..... | \$ | 0 | | 0.0 % |

13. Amounts and percentages of admitted assets held in the ten largest equity interests:

| | | | | | |
|--|---|--------|--------------------------|----|-------------------------------------|
| 13.01 | Are assets held in equity interests less than 2.5% of the reporting entity's total admitted assets? | Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |
| If response to 13.01 above is yes, responses are not required for the remainder of Interrogatory 13. | | | | | |
| | | 1 | | 2 | 3 |
| | | Issuer | | | |
| 13.02 | Citizens Ins. Co. of America (174746) | \$ | 678,356,990 | | 6.6 % |
| 13.03 | Citizens Ins. Co. of the Midwest (17474@) | \$ | 110,371,915 | | 1.1 % |
| 13.04 | Nova Casualty Co. (66977#) | \$ | 99,777,929 | | 1.0 % |
| 13.05 | Massachusetts Bay Ins. Co. (57544#) | \$ | 79,028,750 | | 0.8 % |
| 13.06 | Allmerica Fin. Benefit Ins. Co. (01976#) | \$ | 77,177,331 | | 0.7 % |
| 13.07 | Hanover Atlantic Ins. Co. Ltd. (G4279@) | \$ | 50,895,461 | | 0.5 % |
| 13.08 | Hanover American Ins. Co. (41070*) | \$ | 38,627,228 | | 0.4 % |
| 13.09 | Blackrock FedFund Instl (09248U) | \$ | 28,139,281 | | 0.3 % |
| 13.10 | Verlan Fire Ins. Co. (92346*) | \$ | 25,822,272 | | 0.3 % |
| 13.11 | R4 LIHTC Housing XVIII, LP | \$ | 24,608,644 | | 0.2 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER INSURANCE COMPANY

14. Amounts and percentages of the reporting entity's total admitted assets held in nonaffiliated, privately placed equities:

14.01 Are assets held in nonaffiliated, privately placed equities less than 2.5% of the reporting entity's total admitted assets? Yes [] No [X]

If response to 14.01 above is yes, responses are not required for 14.02 through 14.05.

| | <u>1</u> | <u>2</u> | <u>3</u> |
|---|----------|-------------|----------|
| 14.02 Aggregate statement value of investments held in nonaffiliated, privately placed equities | \$ | 319,044,758 | 3.1 % |
| Largest three investments held in nonaffiliated, privately placed equities: | | | |
| 14.03 R4 LIHTC Housing XVIII LP | \$ | 24,608,644 | 0.2 % |
| 14.04 Morgan Stanley Prime Property LP | \$ | 16,776,440 | 0.2 % |
| 14.05 North Haven Credit Partners III | \$ | 14,692,147 | 0.1 % |

Ten largest fund managers:

| | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|--------------------------------|---------------------|-----------------------|--------------------|-----------------------|
| | <u>Fund Manager</u> | <u>Total Invested</u> | <u>Diversified</u> | <u>Nondiversified</u> |
| 14.06 BLACKROCK FUNDS | | \$ 28,139,281 | \$ 28,139,281 | \$ 0 |
| 14.07 VANGUARD FUNDS | | \$ 16,131,274 | \$ 16,131,274 | \$ 0 |
| 14.08 STATE STREET FUNDS | | \$ 14,079,442 | \$ 14,079,442 | \$ 0 |
| 14.09 FIDELITY FUNDS | | \$ 5,154 | \$ 5,154 | \$ 0 |
| 14.10 | | \$ 0 | \$ 0 | \$ 0 |
| 14.11 | | \$ 0 | \$ 0 | \$ 0 |
| 14.12 | | \$ 0 | \$ 0 | \$ 0 |
| 14.13 | | \$ 0 | \$ 0 | \$ 0 |
| 14.14 | | \$ 0 | \$ 0 | \$ 0 |
| 14.15 | | \$ 0 | \$ 0 | \$ 0 |

15. Amounts and percentages of the reporting entity's total admitted assets held in general partnership interests:

15.01 Are assets held in general partnership interests less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 15.01 above is yes, responses are not required for the remainder of Interrogatory 15.

| | <u>1</u> | <u>2</u> | <u>3</u> |
|--|----------|----------|----------|
| 15.02 Aggregate statement value of investments held in general partnership interests | \$ | 0 | 0.0 % |
| Largest three investments in general partnership interests: | | | |
| 15.03 | \$ | 0 | 0.0 % |
| 15.04 | \$ | 0 | 0.0 % |
| 15.05 | \$ | 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER INSURANCE COMPANY

16. Amounts and percentages of the reporting entity's total admitted assets held in mortgage loans:

16.01 Are mortgage loans reported in Schedule B less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 16.01 above is yes, responses are not required for the remainder of Interrogatory 16 and Interrogatory 17.

| | 1 | 2 | 3 |
|-------|--|------|-------|
| | Type (Residential, Commercial, Agricultural) | | |
| 16.02 | | \$ 0 | 0.0 % |
| 16.03 | | \$ 0 | 0.0 % |
| 16.04 | | \$ 0 | 0.0 % |
| 16.05 | | \$ 0 | 0.0 % |
| 16.06 | | \$ 0 | 0.0 % |
| 16.07 | | \$ 0 | 0.0 % |
| 16.08 | | \$ 0 | 0.0 % |
| 16.09 | | \$ 0 | 0.0 % |
| 16.10 | | \$ 0 | 0.0 % |
| 16.11 | | \$ 0 | 0.0 % |

Amount and percentage of the reporting entity's total admitted assets held in the following categories of mortgage loans:

| | | Loans | |
|-------|--|-------|-------|
| | | | |
| 16.12 | Construction loans | \$ 0 | 0.0 % |
| 16.13 | Mortgage loans over 90 days past due | \$ 0 | 0.0 % |
| 16.14 | Mortgage loans in the process of foreclosure | \$ 0 | 0.0 % |
| 16.15 | Mortgage loans foreclosed | \$ 0 | 0.0 % |
| 16.16 | Restructured mortgage loans | \$ 0 | 0.0 % |

17. Aggregate mortgage loans having the following loan-to-value ratios as determined from the most current appraisal as of the annual statement date:

| Loan to Value | Residential | | Commercial | | Agricultural | |
|----------------------|-------------|-------|------------|-------|--------------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 17.01 above 95%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.02 91 to 95%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.03 81 to 90%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.04 71 to 80%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.05 below 70%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |

18. Amounts and percentages of the reporting entity's total admitted assets held in each of the five largest investments in real estate:

18.01 Are assets held in real estate reported less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 18.01 above is yes, responses are not required for the remainder of Interrogatory 18.

Largest five investments in any one parcel or group of contiguous parcels of real estate.

| | Description | 1 | 2 | 3 |
|-------|-------------|------|-------|---|
| 18.02 | | \$ 0 | 0.0 % | |
| 18.03 | | \$ 0 | 0.0 % | |
| 18.04 | | \$ 0 | 0.0 % | |
| 18.05 | | \$ 0 | 0.0 % | |
| 18.06 | | \$ 0 | 0.0 % | |

19. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments held in mezzanine real estate loans:

19.01 Are assets held in investments held in mezzanine real estate loans less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 19.01 is yes, responses are not required for the remainder of Interrogatory 19.

| | 1 | 2 | 3 |
|-------|---|------|-------|
| 19.02 | Aggregate statement value of investments held in mezzanine real estate loans: | \$ 0 | 0.0 % |
| 19.03 | Largest three investments held in mezzanine real estate loans: | \$ 0 | 0.0 % |
| 19.04 | | \$ 0 | 0.0 % |
| 19.05 | | \$ 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER INSURANCE COMPANY

20. Amounts and percentages of the reporting entity's total admitted assets subject to the following types of agreements:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|---|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 20.01 Securities lending agreements (do not include assets held as collateral for such transactions) \$ | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.02 Repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.03 Reverse repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.04 Dollar repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.05 Dollar reverse repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

21. Amounts and percentages of the reporting entity's total admitted assets for warrants not attached to other financial instruments, options, caps, and floors:

| | Owned | | | Written | |
|-------------------------------|-------|-------|------|---------|---|
| | 1 | 2 | 3 | 4 | 5 |
| 21.01 Hedging | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.02 Income generation | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.03 Other | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |

22. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for collars, swaps, and forwards:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 22.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

23. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for futures contracts:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 23.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

ANNUAL STATEMENT FOR THE YEAR 2022 OF THE MASSACHUSETTS BAY INSURANCE COMPANY

SUMMARY INVESTMENT SCHEDULE

| Investment Categories | Gross Investment Holdings | | Admitted Assets as Reported in the Annual Statement | | | |
|--|---------------------------|--|---|--|-----------------------------------|--|
| | 1 Amount | 2 Percentage of Column 1 Line 13 | 3 Amount | 4 Securities Lending Reinvested Collateral Amount | 5 Total (Col. 3 + 4) Amount | 6 Percentage of Column 5 Line 13 |
| 1. Long-Term Bonds (Schedule D, Part 1): | | | | | | |
| 1.01 U.S. governments | 11,918,340 | 15.160 | 11,918,340 | 0 | 11,918,340 | 15.160 |
| 1.02 All other governments | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.03 U.S. states, territories and possessions, etc. guaranteed | 12,047,573 | 15.324 | 12,047,573 | 0 | 12,047,573 | 15.324 |
| 1.04 U.S. political subdivisions of states, territories, and possessions, guaranteed | 7,763,550 | 9.875 | 7,763,550 | 0 | 7,763,550 | 9.875 |
| 1.05 U.S. special revenue and special assessment obligations, etc. non-guaranteed | 30,875,781 | 39.273 | 30,875,781 | 0 | 30,875,781 | 39.273 |
| 1.06 Industrial and miscellaneous | 15,650,913 | 19.907 | 15,650,913 | 0 | 15,650,913 | 19.907 |
| 1.07 Hybrid securities | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.08 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.09 SVO identified funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.10 Unaffiliated bank loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.11 Unaffiliated certificates of deposit | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.12 Total long-term bonds | 78,256,157 | 99.538 | 78,256,157 | 0 | 78,256,157 | 99.538 |
| 2. Preferred stocks (Schedule D, Part 2, Section 1): | | | | | | |
| 2.01 Industrial and miscellaneous (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.02 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.03 Total preferred stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3. Common stocks (Schedule D, Part 2, Section 2): | | | | | | |
| 3.01 Industrial and miscellaneous Publicly traded (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.02 Industrial and miscellaneous Other (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.03 Parent, subsidiaries and affiliates Publicly traded | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.04 Parent, subsidiaries and affiliates Other | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.05 Mutual funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.06 Unit investment trusts | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.07 Closed-end funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.08 Exchange traded funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.09 Total common stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4. Mortgage loans (Schedule B): | | | | | | |
| 4.01 Farm mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.02 Residential mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.03 Commercial mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.04 Mezzanine real estate loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.05 Total valuation allowance | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.06 Total mortgage loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5. Real estate (Schedule A): | | | | | | |
| 5.01 Properties occupied by company | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.02 Properties held for production of income | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.03 Properties held for sale | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.04 Total real estate | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6. Cash, cash equivalents and short-term investments: | | | | | | |
| 6.01 Cash (Schedule E, Part 1) | 357,704 | 0.455 | 357,704 | 0 | 357,704 | 0.455 |
| 6.02 Cash equivalents (Schedule E, Part 2) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.03 Short-term investments (Schedule DA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.04 Total cash, cash equivalents and short-term investments | 357,704 | 0.455 | 357,704 | 0 | 357,704 | 0.455 |
| 7. Contract loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 8. Derivatives (Schedule DB) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 9. Other invested assets (Schedule BA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 10. Receivables for securities | 5,345 | 0.007 | 5,345 | 0 | 5,345 | 0.007 |
| 11. Securities Lending (Schedule DL, Part 1)..... | 0 | 0.000 | 0 | XXX | XXX | XXX |
| 12. Other invested assets (Page 2, Line 11) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 13. Total invested assets | 78,619,206 | 100.000 | 78,619,206 | 0 | 78,619,206 | 100.000 |



SUPPLEMENTAL INVESTMENT RISKS INTERROGATORIES

For The Year Ended December 31, 2022
(To Be Filed by April 1)

Of The MASSACHUSETTS BAY INSURANCE COMPANY.....
ADDRESS (City, State and Zip Code) Worcester , MA 01653-0002
NAIC Group Code 0088 NAIC Company Code 22306 Federal Employer's Identification Number (FEIN) 04-2217600

The Investment Risks Interrogatories are to be filed by April 1. They are also to be included with the Audited Statutory Financial Statements.

Answer the following interrogatories by reporting the applicable U.S. dollar amounts and percentages of the reporting entity's total admitted assets held in that category of investments.

1. Reporting entity's total admitted assets as reported on Page 2 of this annual statement.\$ 79,252,841

2. Ten largest exposures to a single issuer/borrower/investment.

| | 1 | 2 | 3 | 4 |
|------|--|-------------------------|-------------------|-------------------------------------|
| | Issuer | Description of Exposure | Amount | Percentage of Total Admitted Assets |
| 2.01 | LOUISIANA ST | Bonds | \$4,191,255 | 5.3 % |
| 2.02 | GEORGIA ST | Bonds | \$4,092,602 | 5.2 % |
| 2.03 | LOUISIANA ST UNCLAIMED PPTY SPL REV | Bonds | \$3,951,634 | 5.0 % |
| 2.04 | DOWNTOWN SAVANNAH AUTH GA REV (261172) | Bonds | \$2,523,296 | 3.2 % |
| 2.05 | LOUISIANA LOC GOVT ENVIRONMENTAL FACS & CMNTY DEV (54628C) | Bonds | \$2,352,314 | 3.0 % |
| 2.06 | FORSYTH CNTY GA SCH DIST (346604) .. | Bonds | \$1,966,294 | 2.5 % |
| 2.07 | STONEHENGE CAPITAL FUND CONNECTICUT VI, LLC (86208#) | Bonds | \$1,609,825 | 2.0 % |
| 2.08 | ATLANTA GA DEV AUTH REV (04780N) | Bonds | \$1,506,681 | 1.9 % |
| 2.09 | EAST BATON ROUGE LA SEW COMMN REV (270618) | Bonds | \$1,498,944 | 1.9 % |
| 2.10 | NEW ORLEANS LA (64763F) | Bonds | \$1,284,916 | 1.6 % |

3. Amounts and percentages of the reporting entity's total admitted assets held in bonds and preferred stocks by NAIC designation.

| | Bonds | 1 | 2 | Preferred Stocks | 3 | 4 |
|------|--------------|---------------------|-------------|-------------------|-----------|-------------|
| 3.01 | NAIC 1 | \$ 74,375,242 |93.8 % | 3.07 NAIC 1 | \$0 | 0.0 % |
| 3.02 | NAIC 2 | \$3,880,915 | 4.9 % | 3.08 NAIC 2 | \$0 | 0.0 % |
| 3.03 | NAIC 3 | \$0 | 0.0 % | 3.09 NAIC 3 | \$0 | 0.0 % |
| 3.04 | NAIC 4 | \$0 | 0.0 % | 3.10 NAIC 4 | \$0 | 0.0 % |
| 3.05 | NAIC 5 | \$0 | 0.0 % | 3.11 NAIC 5 | \$0 | 0.0 % |
| 3.06 | NAIC 6 | \$0 | 0.0 % | 3.12 NAIC 6 | \$0 | 0.0 % |

4. Assets held in foreign investments:

| | | |
|--|--|-------------------------------|
| 4.01 | Are assets held in foreign investments less than 2.5% of the reporting entity's total admitted assets? | Yes [] No [X] |
| If response to 4.01 above is yes, responses are not required for interrogatories 5 - 10. | | |
| 4.02 | Total admitted assets held in foreign investments..... | \$2,034,294 2.6 % |
| 4.03 | Foreign-currency-denominated investments | \$0 0.0 % |
| 4.04 | Insurance liabilities denominated in that same foreign currency | \$0 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE MASSACHUSETTS BAY INSURANCE COMPANY

5. Aggregate foreign investment exposure categorized by NAIC sovereign designation:

| | 1 | 2 |
|---|--------------|-------|
| 5.01 Countries designated NAIC-1 | \$ 2,034,294 | 2.6 % |
| 5.02 Countries designated NAIC-2 | \$ 0 | 0.0 % |
| 5.03 Countries designated NAIC-3 or below | \$ 0 | 0.0 % |

6. Largest foreign investment exposures by country, categorized by the country's NAIC sovereign designation:

| | 1 | 2 |
|---|------------|-------|
| Countries designated NAIC - 1: | | |
| 6.01 Country 1: Japan | \$ 785,971 | 1.0 % |
| 6.02 Country 2: Australia | \$ 399,949 | 0.5 % |
| Countries designated NAIC - 2: | | |
| 6.03 Country 1: | \$ 0 | 0.0 % |
| 6.04 Country 2: | \$ 0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 6.05 Country 1: | \$ 0 | 0.0 % |
| 6.06 Country 2: | \$ 0 | 0.0 % |

| | 1 | 2 |
|---|------|-------|
| 7. Aggregate unhedged foreign currency exposure | \$ 0 | 0.0 % |

8. Aggregate unhedged foreign currency exposure categorized by NAIC sovereign designation:

| | 1 | 2 |
|---|------|-------|
| 8.01 Countries designated NAIC-1 | \$ 0 | 0.0 % |
| 8.02 Countries designated NAIC-2 | \$ 0 | 0.0 % |
| 8.03 Countries designated NAIC-3 or below | \$ 0 | 0.0 % |

9. Largest unhedged foreign currency exposures by country, categorized by the country's NAIC sovereign designation:

| | 1 | 2 |
|---|------|-------|
| Countries designated NAIC - 1: | | |
| 9.01 Country 1: | \$ 0 | 0.0 % |
| 9.02 Country 2: | \$ 0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 9.03 Country 1: | \$ 0 | 0.0 % |
| 9.04 Country 2: | \$ 0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 9.05 Country 1: | \$ 0 | 0.0 % |
| 9.06 Country 2: | \$ 0 | 0.0 % |

10. Ten largest non-sovereign (i.e. non-governmental) foreign issues:

| | 1 | 2 | | 3 | 4 |
|-------|---|------------------|------------|-------|---|
| | Issuer | NAIC Designation | | | |
| 10.01 | NTT FINANCE CORP (62954W) | 1 | \$ 785,971 | 1.0 % | |
| 10.02 | PERNOD RICARD SA (714264) | 2 | \$ 299,365 | 0.4 % | |
| 10.03 | HEINEKEN NV (423012) | 2 | \$ 298,991 | 0.4 % | |
| 10.04 | NORDEA BANK ABP (65557C) | 1 | \$ 250,018 | 0.3 % | |
| 10.05 | WESTPAC BANKING CORP (961214) | 1 | \$ 199,984 | 0.3 % | |
| 10.06 | COMMONWEALTH BANK OF AUSTRALIA (2027AO) | 1 | \$ 199,965 | 0.3 % | |
| 10.07 | ..... |  | \$ 0 | 0.0 % | |
| 10.08 | ..... |  | \$ 0 | 0.0 % | |
| 10.09 | ..... |  | \$ 0 | 0.0 % | |
| 10.10 | ..... |  | \$ 0 | 0.0 % | |

SUPPLEMENT FOR THE YEAR 2022 OF THE MASSACHUSETTS BAY INSURANCE COMPANY

11. Amounts and percentages of the reporting entity's total admitted assets held in Canadian investments and unhedged Canadian currency exposure:

| | | | | | |
|--|---|-----|-------------------------------------|----|--------------------------|
| 11.01 | Are assets held in Canadian investments less than 2.5% of the reporting entity's total admitted assets? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| If response to 11.01 is yes, detail is not required for the remainder of interrogatory 11. | | | | | |
| | | 1 | | 2 | |
| 11.02 | Total admitted assets held in Canadian investments | \$ | 0 | | 0.0 % |
| 11.03 | Canadian-currency-denominated investments | \$ | 0 | | 0.0 % |
| 11.04 | Canadian-denominated insurance liabilities | \$ | 0 | | 0.0 % |
| 11.05 | Unhedged Canadian currency exposure | \$ | 0 | | 0.0 % |

12. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments with contractual sales restrictions:

| | | | | | |
|--|--|-----|-------------------------------------|----|--------------------------|
| 12.01 | Are assets held in investments with contractual sales restrictions less than 2.5% of the reporting entity's total admitted assets? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| If response to 12.01 is yes, responses are not required for the remainder of Interrogatory 12. | | | | | |
| | | 1 | | 2 | 3 |
| 12.02 | Aggregate statement value of investments with contractual sales restrictions | \$ | 0 | | 0.0 % |
| Largest three investments with contractual sales restrictions: | | | | | |
| 12.03 | ..... | \$ | 0 | | 0.0 % |
| 12.04 | ..... | \$ | 0 | | 0.0 % |
| 12.05 | ..... | \$ | 0 | | 0.0 % |

13. Amounts and percentages of admitted assets held in the ten largest equity interests:

| | | | | | |
|--|---|-----|-------------------------------------|----|--------------------------|
| 13.01 | Are assets held in equity interests less than 2.5% of the reporting entity's total admitted assets? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| If response to 13.01 above is yes, responses are not required for the remainder of Interrogatory 13. | | | | | |
| | | 1 | | 2 | 3 |
| | Issuer | | | | |
| 13.02 | ..... | \$ | 0 | | 0.0 % |
| 13.03 | ..... | \$ | 0 | | 0.0 % |
| 13.04 | ..... | \$ | 0 | | 0.0 % |
| 13.05 | ..... | \$ | 0 | | 0.0 % |
| 13.06 | ..... | \$ | 0 | | 0.0 % |
| 13.07 | ..... | \$ | 0 | | 0.0 % |
| 13.08 | ..... | \$ | 0 | | 0.0 % |
| 13.09 | ..... | \$ | 0 | | 0.0 % |
| 13.10 | ..... | \$ | 0 | | 0.0 % |
| 13.11 | ..... | \$ | 0 | | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE MASSACHUSETTS BAY INSURANCE COMPANY

14. Amounts and percentages of the reporting entity's total admitted assets held in nonaffiliated, privately placed equities:

14.01 Are assets held in nonaffiliated, privately placed equities less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 14.01 above is yes, responses are not required for 14.02 through 14.05.

| | 1 | 2 | 3 |
|---|----------|---|-------|
| 14.02 Aggregate statement value of investments held in nonaffiliated, privately placed equities | \$ | 0 | 0.0 % |
| Largest three investments held in nonaffiliated, privately placed equities: | | | |
| 14.03 | \$ | 0 | 0.0 % |
| 14.04 | \$ | 0 | 0.0 % |
| 14.05 | \$ | 0 | 0.0 % |

Ten largest fund managers:

| | 1 | 2 | 3 | 4 |
|-------------|--------------|----------------|-------------|----------------|
| | Fund Manager | Total Invested | Diversified | Nondiversified |
| 14.06 | | \$ | 0 | \$ |
| 14.07 | | \$ | 0 | \$ |
| 14.08 | | \$ | 0 | \$ |
| 14.09 | | \$ | 0 | \$ |
| 14.10 | | \$ | 0 | \$ |
| 14.11 | | \$ | 0 | \$ |
| 14.12 | | \$ | 0 | \$ |
| 14.13 | | \$ | 0 | \$ |
| 14.14 | | \$ | 0 | \$ |
| 14.15 | | \$ | 0 | \$ |

15. Amounts and percentages of the reporting entity's total admitted assets held in general partnership interests:

15.01 Are assets held in general partnership interests less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 15.01 above is yes, responses are not required for the remainder of Interrogatory 15.

| | 1 | 2 | 3 |
|--|----------|---|-------|
| 15.02 Aggregate statement value of investments held in general partnership interests | \$ | 0 | 0.0 % |
| Largest three investments in general partnership interests: | | | |
| 15.03 | \$ | 0 | 0.0 % |
| 15.04 | \$ | 0 | 0.0 % |
| 15.05 | \$ | 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE MASSACHUSETTS BAY INSURANCE COMPANY

16. Amounts and percentages of the reporting entity's total admitted assets held in mortgage loans:

16.01 Are mortgage loans reported in Schedule B less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 16.01 above is yes, responses are not required for the remainder of Interrogatory 16 and Interrogatory 17.

| | 1 | 2 | 3 |
|-------|--|-----------|------------|
| | Type (Residential, Commercial, Agricultural) | | |
| 16.02 | | \$0 |0.0 % |
| 16.03 | | \$0 |0.0 % |
| 16.04 | | \$0 |0.0 % |
| 16.05 | | \$0 |0.0 % |
| 16.06 | | \$0 |0.0 % |
| 16.07 | | \$0 |0.0 % |
| 16.08 | | \$0 |0.0 % |
| 16.09 | | \$0 |0.0 % |
| 16.10 | | \$0 |0.0 % |
| 16.11 | | \$0 |0.0 % |

Amount and percentage of the reporting entity's total admitted assets held in the following categories of mortgage loans:

| | | Loans | |
|-------|--|-----------|------------|
| | | | |
| 16.12 | Construction loans | \$0 |0.0 % |
| 16.13 | Mortgage loans over 90 days past due | \$0 |0.0 % |
| 16.14 | Mortgage loans in the process of foreclosure | \$0 |0.0 % |
| 16.15 | Mortgage loans foreclosed | \$0 |0.0 % |
| 16.16 | Restructured mortgage loans | \$0 |0.0 % |

17. Aggregate mortgage loans having the following loan-to-value ratios as determined from the most current appraisal as of the annual statement date:

| Loan to Value | Residential | | Commercial | | Agricultural | |
|----------------------|-------------|------------|------------|------------|--------------|------------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 17.01 above 95%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.02 91 to 95%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.03 81 to 90%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.04 71 to 80%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.05 below 70%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |

18. Amounts and percentages of the reporting entity's total admitted assets held in each of the five largest investments in real estate:

18.01 Are assets held in real estate reported less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 18.01 above is yes, responses are not required for the remainder of Interrogatory 18.

Largest five investments in any one parcel or group of contiguous parcels of real estate.

| | 1 | 2 | 3 |
|-------|-------------|-----------|------------|
| | Description | | |
| 18.02 | | \$0 |0.0 % |
| 18.03 | | \$0 |0.0 % |
| 18.04 | | \$0 |0.0 % |
| 18.05 | | \$0 |0.0 % |
| 18.06 | | \$0 |0.0 % |

19. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments held in mezzanine real estate loans:

19.01 Are assets held in investments held in mezzanine real estate loans less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 19.01 is yes, responses are not required for the remainder of Interrogatory 19.

| | 1 | 2 | 3 |
|-------|---|-----------|------------|
| | | | |
| 19.02 | Aggregate statement value of investments held in mezzanine real estate loans: | \$0 |0.0 % |
| 19.03 | Largest three investments held in mezzanine real estate loans: | \$0 |0.0 % |
| 19.04 | ..... | \$ .....0 |0.0 % |
| 19.05 | ..... | \$ .....0 |0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE MASSACHUSETTS BAY INSURANCE COMPANY

20. Amounts and percentages of the reporting entity's total admitted assets subject to the following types of agreements:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|---|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 20.01 Securities lending agreements (do not include assets held as collateral for such transactions) \$ | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 20.02 Repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 20.03 Reverse repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 20.04 Dollar repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 20.05 Dollar reverse repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |

21. Amounts and percentages of the reporting entity's total admitted assets for warrants not attached to other financial instruments, options, caps, and floors:

| | Owned | | | Written | |
|-------------------------------|-------|-------|------|---------|---|
| | 1 | 2 | 3 | 4 | 5 |
| 21.01 Hedging | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.02 Income generation | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.03 Other | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |

22. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for collars, swaps, and forwards:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 22.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 22.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 22.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 22.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |

23. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for futures contracts:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 23.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 23.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 23.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 23.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |

ANNUAL STATEMENT FOR THE YEAR 2022 OF THE HANOVER AMERICAN INSURANCE COMPANY

SUMMARY INVESTMENT SCHEDULE

| Investment Categories | Gross Investment Holdings | | Admitted Assets as Reported in the Annual Statement | | | |
|--|---------------------------|--|---|--|-----------------------------------|--|
| | 1 Amount | 2 Percentage of Column 1 Line 13 | 3 Amount | 4 Securities Lending Reinvested Collateral Amount | 5 Total (Col. 3 + 4) Amount | 6 Percentage of Column 5 Line 13 |
| 1. Long-Term Bonds (Schedule D, Part 1): | | | | | | |
| 1.01 U.S. governments | 7,521,725 | 19.642 | 7,521,725 | 0 | 7,521,725 | 19.642 |
| 1.02 All other governments | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.03 U.S. states, territories and possessions, etc. guaranteed | 6,747,557 | 17.620 | 6,747,557 | 0 | 6,747,557 | 17.620 |
| 1.04 U.S. political subdivisions of states, territories, and possessions, guaranteed | 1,710,341 | 4.466 | 1,710,341 | 0 | 1,710,341 | 4.466 |
| 1.05 U.S. special revenue and special assessment obligations, etc. non-guaranteed | 11,803,982 | 30.825 | 11,803,982 | 0 | 11,803,982 | 30.825 |
| 1.06 Industrial and miscellaneous | 9,400,213 | 24.548 | 9,400,213 | 0 | 9,400,213 | 24.548 |
| 1.07 Hybrid securities | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.08 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.09 SVO identified funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.10 Unaffiliated bank loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.11 Unaffiliated certificates of deposit | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.12 Total long-term bonds | 37,183,818 | 97.101 | 37,183,818 | 0 | 37,183,818 | 97.101 |
| 2. Preferred stocks (Schedule D, Part 2, Section 1): | | | | | | |
| 2.01 Industrial and miscellaneous (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.02 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.03 Total preferred stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3. Common stocks (Schedule D, Part 2, Section 2): | | | | | | |
| 3.01 Industrial and miscellaneous Publicly traded (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.02 Industrial and miscellaneous Other (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.03 Parent, subsidiaries and affiliates Publicly traded | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.04 Parent, subsidiaries and affiliates Other | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.05 Mutual funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.06 Unit investment trusts | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.07 Closed-end funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.08 Exchange traded funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.09 Total common stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4. Mortgage loans (Schedule B): | | | | | | |
| 4.01 Farm mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.02 Residential mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.03 Commercial mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.04 Mezzanine real estate loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.05 Total valuation allowance | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.06 Total mortgage loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5. Real estate (Schedule A): | | | | | | |
| 5.01 Properties occupied by company | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.02 Properties held for production of income | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.03 Properties held for sale | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.04 Total real estate | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6. Cash, cash equivalents and short-term investments: | | | | | | |
| 6.01 Cash (Schedule E, Part 1) | 359,830 | 0.940 | 359,830 | 0 | 359,830 | 0.940 |
| 6.02 Cash equivalents (Schedule E, Part 2) | 498,648 | 1.302 | 498,648 | 0 | 498,648 | 1.302 |
| 6.03 Short-term investments (Schedule DA) | 250,084 | 0.653 | 250,084 | 0 | 250,084 | 0.653 |
| 6.04 Total cash, cash equivalents and short-term investments | 1,108,562 | 2.895 | 1,108,562 | 0 | 1,108,562 | 2.895 |
| 7. Contract loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 8. Derivatives (Schedule DB) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 9. Other invested assets (Schedule BA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 10. Receivables for securities | 1,526 | 0.004 | 1,526 | 0 | 1,526 | 0.004 |
| 11. Securities Lending (Schedule DL, Part 1)..... | 0 | 0.000 | 0 | XXX | XXX | XXX |
| 12. Other invested assets (Page 2, Line 11) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 13. Total invested assets | 38,293,907 | 100.000 | 38,293,907 | 0 | 38,293,907 | 100.000 |



SUPPLEMENTAL INVESTMENT RISKS INTERROGATORIES

For The Year Ended December 31, 2022
(To Be Filed by April 1)

Of The HANOVER AMERICAN INSURANCE COMPANY.....
ADDRESS (City, State and Zip Code) Worcester , MA 01653-0002
NAIC Group Code 0088 NAIC Company Code 36064 Federal Employer's Identification Number (FEIN) 04-3063898

The Investment Risks Interrogatories are to be filed by April 1. They are also to be included with the Audited Statutory Financial Statements.

Answer the following interrogatories by reporting the applicable U.S. dollar amounts and percentages of the reporting entity's total admitted assets held in that category of investments.

1. Reporting entity's total admitted assets as reported on Page 2 of this annual statement.\$ 38,634,329

2. Ten largest exposures to a single issuer/borrower/investment.

| | 1 | 2 | 3 | 4 |
|------|--|-------------------------|--------------|-------------------------------------|
| | Issuer | Description of Exposure | Amount | Percentage of Total Admitted Assets |
| 2.01 | STONEHENGE CAPITAL FUND CONNECTICUT VI, LLC (86208#) | Bonds | \$ 3,219,649 | 8.3 % |
| 2.02 | NEW HAMPSHIRE ST (644682) | Bonds | \$ 3,166,415 | 8.2 % |
| 2.03 | LOUISIANA LOC GOVT ENVIRONMENTAL FACS & CMNTY DEV (54628C) | Bonds | \$ 2,233,851 | 5.8 % |
| 2.04 | LOUISIANA ST GAS & FUELS TAX REV | Bonds | \$ 1,739,934 | 4.5 % |
| 2.05 | LOUISIANA ST (546417) | Bonds | \$ 996,856 | 2.6 % |
| 2.06 | STONEHENGE CAPITAL FUND CONNECTICUT IV LLC (86203#) | Bonds | \$ 905,812 | 2.3 % |
| 2.07 | EAST BATON ROUGE LA SEW COMMN REV (270618) | Bonds | \$ 889,388 | 2.3 % |
| 2.08 | SUSTAINABLE ENERGY UTIL INC DEL ENERGY EFFICIENCY (86932U) | Bonds | \$ 663,455 | 1.7 % |
| 2.09 | MASSACHUSETTS ST WTR RES AUTH (576051) | Bonds | \$ 651,989 | 1.7 % |
| 2.10 | NEW YORK N Y CITY TRANSITIONAL FIN AUTH REV (64971X) | Bonds | \$ 647,489 | 1.7 % |

3. Amounts and percentages of the reporting entity's total admitted assets held in bonds and preferred stocks by NAIC designation.

| | Bonds | 1 | 2 | Preferred Stocks | 3 | 4 | |
|------|--------|---------------|--------|------------------|--------|------|-------|
| 3.01 | NAIC 1 | \$ 35,795,977 | 92.7 % | 3.07 | NAIC 1 | \$ 0 | 0.0 % |
| 3.02 | NAIC 2 | \$ 2,136,573 | 5.5 % | 3.08 | NAIC 2 | \$ 0 | 0.0 % |
| 3.03 | NAIC 3 | \$ 0 | 0.0 % | 3.09 | NAIC 3 | \$ 0 | 0.0 % |
| 3.04 | NAIC 4 | \$ 0 | 0.0 % | 3.10 | NAIC 4 | \$ 0 | 0.0 % |
| 3.05 | NAIC 5 | \$ 0 | 0.0 % | 3.11 | NAIC 5 | \$ 0 | 0.0 % |
| 3.06 | NAIC 6 | \$ 0 | 0.0 % | 3.12 | NAIC 6 | \$ 0 | 0.0 % |

4. Assets held in foreign investments:

| | | | |
|--|--|------------|--------|
| 4.01 | Are assets held in foreign investments less than 2.5% of the reporting entity's total admitted assets? | Yes [X] | No [] |
| If response to 4.01 above is yes, responses are not required for interrogatories 5 - 10. | | | |
| 4.02 | Total admitted assets held in foreign investments | \$ 592,599 | 1.5 % |
| 4.03 | Foreign-currency-denominated investments | \$ 0 | 0.0 % |
| 4.04 | Insurance liabilities denominated in that same foreign currency | \$ 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER AMERICAN INSURANCE COMPANY

5. Aggregate foreign investment exposure categorized by NAIC sovereign designation:

| | 1 | 2 |
|---|-----------|-------------|
| 5.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 5.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 5.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

6. Largest foreign investment exposures by country, categorized by the country's NAIC sovereign designation:

| | 1 | 2 |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 6.01 Country 1: | \$0 | 0.0 % |
| 6.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 6.03 Country 1: | \$0 | 0.0 % |
| 6.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 6.05 Country 1: | \$0 | 0.0 % |
| 6.06 Country 2: | \$0 | 0.0 % |

| | 1 | 2 |
|---|-----------|-------------|
| 7. Aggregate unhedged foreign currency exposure | \$0 | 0.0 % |

8. Aggregate unhedged foreign currency exposure categorized by NAIC sovereign designation:

| | 1 | 2 |
|---|-----------|-------------|
| 8.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 8.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 8.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

9. Largest unhedged foreign currency exposures by country, categorized by the country's NAIC sovereign designation:

| | 1 | 2 |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 9.01 Country 1: | \$0 | 0.0 % |
| 9.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 9.03 Country 1: | \$0 | 0.0 % |
| 9.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 9.05 Country 1: | \$0 | 0.0 % |
| 9.06 Country 2: | \$0 | 0.0 % |

10. Ten largest non-sovereign (i.e. non-governmental) foreign issues:

| | 1 Issuer | 2 NAIC Designation | 3 | 4 |
|-------------|-------------|-----------------------|-----------|-------------|
| 10.01 | | | \$0 | 0.0 % |
| 10.02 | | | \$0 | 0.0 % |
| 10.03 | | | \$0 | 0.0 % |
| 10.04 | | | \$0 | 0.0 % |
| 10.05 | | | \$0 | 0.0 % |
| 10.06 | | | \$0 | 0.0 % |
| 10.07 | | | \$0 | 0.0 % |
| 10.08 | | | \$0 | 0.0 % |
| 10.09 | | | \$0 | 0.0 % |
| 10.10 | | | \$0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER AMERICAN INSURANCE COMPANY

11. Amounts and percentages of the reporting entity's total admitted assets held in Canadian investments and unhedged Canadian currency exposure:

| | | | | | |
|--|---|----------|-------------------------------------|----------|--------------------------|
| 11.01 | Are assets held in Canadian investments less than 2.5% of the reporting entity's total admitted assets? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| If response to 11.01 is yes, detail is not required for the remainder of interrogatory 11. | | | | | |
| | | <u>1</u> | | <u>2</u> | |
| 11.02 | Total admitted assets held in Canadian investments | \$ | 0 | 0.0 | % |
| 11.03 | Canadian-currency-denominated investments | \$ | 0 | 0.0 | % |
| 11.04 | Canadian-denominated insurance liabilities | \$ | 0 | 0.0 | % |
| 11.05 | Unhedged Canadian currency exposure | \$ | 0 | 0.0 | % |

12. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments with contractual sales restrictions:

| | | | | | |
|--|--|----------|-------------------------------------|----------|--------------------------|
| 12.01 | Are assets held in investments with contractual sales restrictions less than 2.5% of the reporting entity's total admitted assets? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| If response to 12.01 is yes, responses are not required for the remainder of Interrogatory 12. | | | | | |
| | | <u>1</u> | | <u>2</u> | |
| 12.02 | Aggregate statement value of investments with contractual sales restrictions | \$ | 0 | 0.0 | % |
| Largest three investments with contractual sales restrictions: | | | | | |
| 12.03 | ..... | \$ | 0 | 0.0 | % |
| 12.04 | ..... | \$ | 0 | 0.0 | % |
| 12.05 | ..... | \$ | 0 | 0.0 | % |

13. Amounts and percentages of admitted assets held in the ten largest equity interests:

| | | | | | |
|--|---|----------|-------------------------------------|----------|--------------------------|
| 13.01 | Are assets held in equity interests less than 2.5% of the reporting entity's total admitted assets? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| If response to 13.01 above is yes, responses are not required for the remainder of Interrogatory 13. | | | | | |
| | | <u>1</u> | | <u>2</u> | |
| | <u>Issuer</u> | | | | |
| 13.02 | ..... | \$ | 0 | 0.0 | % |
| 13.03 | ..... | \$ | 0 | 0.0 | % |
| 13.04 | ..... | \$ | 0 | 0.0 | % |
| 13.05 | ..... | \$ | 0 | 0.0 | % |
| 13.06 | ..... | \$ | 0 | 0.0 | % |
| 13.07 | ..... | \$ | 0 | 0.0 | % |
| 13.08 | ..... | \$ | 0 | 0.0 | % |
| 13.09 | ..... | \$ | 0 | 0.0 | % |
| 13.10 | ..... | \$ | 0 | 0.0 | % |
| 13.11 | ..... | \$ | 0 | 0.0 | % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER AMERICAN INSURANCE COMPANY

14. Amounts and percentages of the reporting entity's total admitted assets held in nonaffiliated, privately placed equities:

14.01 Are assets held in nonaffiliated, privately placed equities less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 14.01 above is yes, responses are not required for 14.02 through 14.05.

| | 1 | 2 | 3 |
|---|----------|---|-------|
| 14.02 Aggregate statement value of investments held in nonaffiliated, privately placed equities | \$ | 0 | 0.0 % |
| Largest three investments held in nonaffiliated, privately placed equities: | | | |
| 14.03 | \$ | 0 | 0.0 % |
| 14.04 | \$ | 0 | 0.0 % |
| 14.05 | \$ | 0 | 0.0 % |

Ten largest fund managers:

| | 1 | 2 | 3 | 4 |
|-------------|--------------|----------------|-------------|----------------|
| | Fund Manager | Total Invested | Diversified | Nondiversified |
| 14.06 | | \$ | \$ | \$ |
| 14.07 | | \$ | \$ | \$ |
| 14.08 | | \$ | \$ | \$ |
| 14.09 | | \$ | \$ | \$ |
| 14.10 | | \$ | \$ | \$ |
| 14.11 | | \$ | \$ | \$ |
| 14.12 | | \$ | \$ | \$ |
| 14.13 | | \$ | \$ | \$ |
| 14.14 | | \$ | \$ | \$ |
| 14.15 | | \$ | \$ | \$ |

15. Amounts and percentages of the reporting entity's total admitted assets held in general partnership interests:

15.01 Are assets held in general partnership interests less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 15.01 above is yes, responses are not required for the remainder of Interrogatory 15.

| | 1 | 2 | 3 |
|--|----------|---|-------|
| 15.02 Aggregate statement value of investments held in general partnership interests | \$ | 0 | 0.0 % |
| Largest three investments in general partnership interests: | | | |
| 15.03 | \$ | 0 | 0.0 % |
| 15.04 | \$ | 0 | 0.0 % |
| 15.05 | \$ | 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER AMERICAN INSURANCE COMPANY

16. Amounts and percentages of the reporting entity's total admitted assets held in mortgage loans:

16.01 Are mortgage loans reported in Schedule B less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 16.01 above is yes, responses are not required for the remainder of Interrogatory 16 and Interrogatory 17.

| | 1 | 2 | 3 |
|-------|--|-----------|------------|
| | Type (Residential, Commercial, Agricultural) | | |
| 16.02 | | \$0 |0.0 % |
| 16.03 | | \$0 |0.0 % |
| 16.04 | | \$0 |0.0 % |
| 16.05 | | \$0 |0.0 % |
| 16.06 | | \$0 |0.0 % |
| 16.07 | | \$0 |0.0 % |
| 16.08 | | \$0 |0.0 % |
| 16.09 | | \$0 |0.0 % |
| 16.10 | | \$0 |0.0 % |
| 16.11 | | \$0 |0.0 % |

Amount and percentage of the reporting entity's total admitted assets held in the following categories of mortgage loans:

| | | Loans |
|-------|--|----------------------|
| | | |
| 16.12 | Construction loans | \$0 .....0.0 % |
| 16.13 | Mortgage loans over 90 days past due | \$0 .....0.0 % |
| 16.14 | Mortgage loans in the process of foreclosure | \$0 .....0.0 % |
| 16.15 | Mortgage loans foreclosed | \$0 .....0.0 % |
| 16.16 | Restructured mortgage loans | \$0 .....0.0 % |

17. Aggregate mortgage loans having the following loan-to-value ratios as determined from the most current appraisal as of the annual statement date:

| Loan to Value | Residential | | Commercial | | Agricultural | |
|----------------------|-------------|------------|------------|------------|--------------|------------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 17.01 above 95%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.02 91 to 95%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.03 81 to 90%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.04 71 to 80%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.05 below 70%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |

18. Amounts and percentages of the reporting entity's total admitted assets held in each of the five largest investments in real estate:

18.01 Are assets held in real estate reported less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 18.01 above is yes, responses are not required for the remainder of Interrogatory 18.

Largest five investments in any one parcel or group of contiguous parcels of real estate.

| | Description | 1 | 2 | 3 |
|-------|-------------|-----------|------------|---|
| 18.02 | | \$0 |0.0 % | |
| 18.03 | | \$0 |0.0 % | |
| 18.04 | | \$0 |0.0 % | |
| 18.05 | | \$0 |0.0 % | |
| 18.06 | | \$0 |0.0 % | |

19. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments held in mezzanine real estate loans:

19.01 Are assets held in investments held in mezzanine real estate loans less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 19.01 is yes, responses are not required for the remainder of Interrogatory 19.

| | 1 | 2 | 3 |
|-------|---|-----------|------------|
| 19.02 | Aggregate statement value of investments held in mezzanine real estate loans: | \$0 |0.0 % |
| 19.03 | Largest three investments held in mezzanine real estate loans: | \$0 |0.0 % |
| 19.04 | ..... | \$ .....0 |0.0 % |
| 19.05 | ..... | \$ .....0 |0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER AMERICAN INSURANCE COMPANY

20. Amounts and percentages of the reporting entity's total admitted assets subject to the following types of agreements:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|---|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 20.01 Securities lending agreements (do not include assets held as collateral for such transactions) \$ | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 20.02 Repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 20.03 Reverse repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 20.04 Dollar repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 20.05 Dollar reverse repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |

21. Amounts and percentages of the reporting entity's total admitted assets for warrants not attached to other financial instruments, options, caps, and floors:

| | Owned | | | Written | |
|-------------------------------|-------|-------|------|---------|---|
| | 1 | 2 | 3 | 4 | 5 |
| 21.01 Hedging | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.02 Income generation | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.03 Other | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |

22. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for collars, swaps, and forwards:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 22.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 22.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 22.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 22.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |

23. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for futures contracts:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 23.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 23.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 23.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 23.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |

ANNUAL STATEMENT FOR THE YEAR 2022 OF THE HANOVER CASUALTY COMPANY

SUMMARY INVESTMENT SCHEDULE

| Investment Categories | Gross Investment Holdings | | Admitted Assets as Reported in the Annual Statement | | | |
|--|---------------------------|--|---|--|-----------------------------------|--|
| | 1 Amount | 2 Percentage of Column 1 Line 13 | 3 Amount | 4 Securities Lending Reinvested Collateral Amount | 5 Total (Col. 3 + 4) Amount | 6 Percentage of Column 5 Line 13 |
| 1. Long-Term Bonds (Schedule D, Part 1): | | | | | | |
| 1.01 U.S. governments | 3,108,043 | 38.065 | 3,108,043 | 0 | 3,108,043 | 38.065 |
| 1.02 All other governments | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.03 U.S. states, territories and possessions, etc. guaranteed | 541,779 | 6.635 | 541,779 | 0 | 541,779 | 6.635 |
| 1.04 U.S. political subdivisions of states, territories, and possessions, guaranteed | 110,078 | 1.348 | 110,078 | 0 | 110,078 | 1.348 |
| 1.05 U.S. special revenue and special assessment obligations, etc. non-guaranteed | 1,545,758 | 18.931 | 1,545,758 | 0 | 1,545,758 | 18.931 |
| 1.06 Industrial and miscellaneous | 2,601,002 | 31.855 | 2,601,002 | 0 | 2,601,002 | 31.855 |
| 1.07 Hybrid securities | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.08 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.09 SVO identified funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.10 Unaffiliated bank loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.11 Unaffiliated certificates of deposit | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.12 Total long-term bonds | 7,906,660 | 96.835 | 7,906,660 | 0 | 7,906,660 | 96.835 |
| 2. Preferred stocks (Schedule D, Part 2, Section 1): | | | | | | |
| 2.01 Industrial and miscellaneous (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.02 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.03 Total preferred stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3. Common stocks (Schedule D, Part 2, Section 2): | | | | | | |
| 3.01 Industrial and miscellaneous Publicly traded (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.02 Industrial and miscellaneous Other (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.03 Parent, subsidiaries and affiliates Publicly traded | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.04 Parent, subsidiaries and affiliates Other | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.05 Mutual funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.06 Unit investment trusts | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.07 Closed-end funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.08 Exchange traded funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.09 Total common stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4. Mortgage loans (Schedule B): | | | | | | |
| 4.01 Farm mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.02 Residential mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.03 Commercial mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.04 Mezzanine real estate loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.05 Total valuation allowance | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.06 Total mortgage loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5. Real estate (Schedule A): | | | | | | |
| 5.01 Properties occupied by company | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.02 Properties held for production of income | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.03 Properties held for sale | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.04 Total real estate | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6. Cash, cash equivalents and short-term investments: | | | | | | |
| 6.01 Cash (Schedule E, Part 1) | 258,448 | 3.165 | 258,448 | 0 | 258,448 | 3.165 |
| 6.02 Cash equivalents (Schedule E, Part 2) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.03 Short-term investments (Schedule DA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.04 Total cash, cash equivalents and short-term investments | 258,448 | 3.165 | 258,448 | 0 | 258,448 | 3.165 |
| 7. Contract loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 8. Derivatives (Schedule DB) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 9. Other invested assets (Schedule BA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 10. Receivables for securities | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 11. Securities Lending (Schedule DL, Part 1)..... | 0 | 0.000 | 0 | XXX | XXX | XXX |
| 12. Other invested assets (Page 2, Line 11) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 13. Total invested assets | 8,165,108 | 100.000 | 8,165,108 | 0 | 8,165,108 | 100.000 |



SUPPLEMENTAL INVESTMENT RISKS INTERROGATORIES

For The Year Ended December 31, 2022
(To Be Filed by April 1)

Of The HANOVER CASUALTY COMPANY.....
 ADDRESS (City, State and Zip Code) Worcester , MA 01653-0002
 NAIC Group Code 0088 NAIC Company Code 41602 Federal Employer's Identification Number (FEIN) 75-1827351

The Investment Risks Interrogatories are to be filed by April 1. They are also to be included with the Audited Statutory Financial Statements.

Answer the following interrogatories by reporting the applicable U.S. dollar amounts and percentages of the reporting entity's total admitted assets held in that category of investments.

1. Reporting entity's total admitted assets as reported on Page 2 of this annual statement.\$ 8,213,684

2. Ten largest exposures to a single issuer/borrower/investment.

| | 1 | 2 | 3 | 4 |
|------|---|-------------------------|------------------|-------------------------------------|
| | Issuer | Description of Exposure | Amount | Percentage of Total Admitted Assets |
| 2.01 | SAN FRANCISCO CALIF CITY & CNTY PUB UTILS COMMN WT (79771F) | Bonds | \$ 200,000 | 2.4 % |
| 2.02 | MASTERCARD INC (57636Q) | Bonds | \$ 199,788 | 2.4 % |
| 2.03 | ENTERGY LOUISIANA LLC | Bonds | \$ 199,337 | 2.4 % |
| 2.04 | UNIVERSITY MASS BLDG AUTH REV (914437) | Bonds | \$ 198,929 | 2.4 % |
| 2.05 | ESTEE LAUDER COMPANIES INC (29736R) | Bonds | \$ 198,902 | 2.4 % |
| 2.06 | RHODE ISLAND ST & PROVIDENCE PLANTATIONS (76222R) | Bonds | \$ 151,034 | 1.8 % |
| 2.07 | ARIZONA ST TRANSN BRD HWY REV (040654) | Bonds | \$ 150,000 | 1.8 % |
| 2.08 | SANTA CLARA VY CALIF WTR DIST WTR SYS REV (80168A) | Bonds | \$ 150,000 | 1.8 % |
| 2.09 | FEDERAL HOME LOAN BANKS (3133XP) | Bonds | \$ 149,987 | 1.8 % |
| 2.10 | NEW YORK ST (649791) | Bonds | \$ 100,030 | 1.2 % |

3. Amounts and percentages of the reporting entity's total admitted assets held in bonds and preferred stocks by NAIC designation.

| | Bonds | 1 | 2 | Preferred Stocks | 3 | 4 |
|------|--------------|--------------------|--------------|-------------------|------------|-------------|
| 3.01 | NAIC 1 | \$ 7,297,627 | 88.8 % | 3.07 NAIC 1 | \$ 0 | 0.0 % |
| 3.02 | NAIC 2 | \$ 609,033 | 7.4 % | 3.08 NAIC 2 | \$ 0 | 0.0 % |
| 3.03 | NAIC 3 | \$ 0 | 0.0 % | 3.09 NAIC 3 | \$ 0 | 0.0 % |
| 3.04 | NAIC 4 | \$ 0 | 0.0 % | 3.10 NAIC 4 | \$ 0 | 0.0 % |
| 3.05 | NAIC 5 | \$ 0 | 0.0 % | 3.11 NAIC 5 | \$ 0 | 0.0 % |
| 3.06 | NAIC 6 | \$ 0 | 0.0 % | 3.12 NAIC 6 | \$ 0 | 0.0 % |

4. Assets held in foreign investments:

| | | | |
|--|--|-----------------|-------------|
| 4.01 | Are assets held in foreign investments less than 2.5% of the reporting entity's total admitted assets? | Yes [X] | No [] |
| If response to 4.01 above is yes, responses are not required for interrogatories 5 - 10. | | | |
| 4.02 | Total admitted assets held in foreign investments..... | \$ 99,936 | 1.2 % |
| 4.03 | Foreign-currency-denominated investments | \$ 0 | 0.0 % |
| 4.04 | Insurance liabilities denominated in that same foreign currency | \$ 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER CASUALTY COMPANY

5. Aggregate foreign investment exposure categorized by NAIC sovereign designation:

| | 1 | 2 |
|---|-----------|-------------|
| 5.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 5.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 5.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

6. Largest foreign investment exposures by country, categorized by the country's NAIC sovereign designation:

| | 1 | 2 |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 6.01 Country 1: | \$0 | 0.0 % |
| 6.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 6.03 Country 1: | \$0 | 0.0 % |
| 6.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 6.05 Country 1: | \$0 | 0.0 % |
| 6.06 Country 2: | \$0 | 0.0 % |

| | 1 | 2 |
|---|-----------|-------------|
| 7. Aggregate unhedged foreign currency exposure | \$0 | 0.0 % |

8. Aggregate unhedged foreign currency exposure categorized by NAIC sovereign designation:

| | 1 | 2 |
|---|-----------|-------------|
| 8.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 8.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 8.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

9. Largest unhedged foreign currency exposures by country, categorized by the country's NAIC sovereign designation:

| | 1 | 2 |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 9.01 Country 1: | \$0 | 0.0 % |
| 9.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 9.03 Country 1: | \$0 | 0.0 % |
| 9.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 9.05 Country 1: | \$0 | 0.0 % |
| 9.06 Country 2: | \$0 | 0.0 % |

10. Ten largest non-sovereign (i.e. non-governmental) foreign issues:

| | 1 Issuer | 2 NAIC Designation | 3 | 4 |
|-------------|-------------|-----------------------|-----------|-------------|
| 10.01 | | | \$0 | 0.0 % |
| 10.02 | | | \$0 | 0.0 % |
| 10.03 | | | \$0 | 0.0 % |
| 10.04 | | | \$0 | 0.0 % |
| 10.05 | | | \$0 | 0.0 % |
| 10.06 | | | \$0 | 0.0 % |
| 10.07 | | | \$0 | 0.0 % |
| 10.08 | | | \$0 | 0.0 % |
| 10.09 | | | \$0 | 0.0 % |
| 10.10 | | | \$0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER CASUALTY COMPANY

11. Amounts and percentages of the reporting entity's total admitted assets held in Canadian investments and unhedged Canadian currency exposure:

| | | |
|---|---|-----------------------------|
| 11.01 Are assets held in Canadian investments less than 2.5% of the reporting entity's total admitted assets? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| If response to 11.01 is yes, detail is not required for the remainder of interrogatory 11. | | |
| | 1 | 2 |
| 11.02 Total admitted assets held in Canadian investments | \$0 |0.0 % |
| 11.03 Canadian-currency-denominated investments | \$0 |0.0 % |
| 11.04 Canadian-denominated insurance liabilities | \$0 |0.0 % |
| 11.05 Unhedged Canadian currency exposure | \$0 |0.0 % |

12. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments with contractual sales restrictions:

| | | |
|--|---|-----------------------------|
| 12.01 Are assets held in investments with contractual sales restrictions less than 2.5% of the reporting entity's total admitted assets? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| If response to 12.01 is yes, responses are not required for the remainder of Interrogatory 12. | | |
| | 1 | 2 |
| 12.02 Aggregate statement value of investments with contractual sales restrictions | \$0 |0.0 % |
| Largest three investments with contractual sales restrictions: | | |
| 12.03 | \$0 |0.0 % |
| 12.04 | \$0 |0.0 % |
| 12.05 | \$0 |0.0 % |

13. Amounts and percentages of admitted assets held in the ten largest equity interests:

| | | |
|---|---|-----------------------------|
| 13.01 Are assets held in equity interests less than 2.5% of the reporting entity's total admitted assets? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| If response to 13.01 above is yes, responses are not required for the remainder of Interrogatory 13. | | |
| | 1 | 2 |
| | Issuer | |
| 13.02 | \$0 |0.0 % |
| 13.03 | \$0 |0.0 % |
| 13.04 | \$0 |0.0 % |
| 13.05 | \$0 |0.0 % |
| 13.06 | \$0 |0.0 % |
| 13.07 | \$0 |0.0 % |
| 13.08 | \$0 |0.0 % |
| 13.09 | \$0 |0.0 % |
| 13.10 | \$0 |0.0 % |
| 13.11 | \$0 |0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER CASUALTY COMPANY

14. Amounts and percentages of the reporting entity's total admitted assets held in nonaffiliated, privately placed equities:

14.01 Are assets held in nonaffiliated, privately placed equities less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 14.01 above is yes, responses are not required for 14.02 through 14.05.

| | 1 | 2 | 3 |
|---|----------|---|-------|
| 14.02 Aggregate statement value of investments held in nonaffiliated, privately placed equities | \$ | 0 | 0.0 % |
| Largest three investments held in nonaffiliated, privately placed equities: | | | |
| 14.03 | \$ | 0 | 0.0 % |
| 14.04 | \$ | 0 | 0.0 % |
| 14.05 | \$ | 0 | 0.0 % |

Ten largest fund managers:

| | 1 | 2 | 3 | 4 |
|-------------|--------------|----------------|-------------|----------------|
| | Fund Manager | Total Invested | Diversified | Nondiversified |
| 14.06 | | \$ | \$ | \$ |
| 14.07 | | \$ | \$ | \$ |
| 14.08 | | \$ | \$ | \$ |
| 14.09 | | \$ | \$ | \$ |
| 14.10 | | \$ | \$ | \$ |
| 14.11 | | \$ | \$ | \$ |
| 14.12 | | \$ | \$ | \$ |
| 14.13 | | \$ | \$ | \$ |
| 14.14 | | \$ | \$ | \$ |
| 14.15 | | \$ | \$ | \$ |

15. Amounts and percentages of the reporting entity's total admitted assets held in general partnership interests:

15.01 Are assets held in general partnership interests less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 15.01 above is yes, responses are not required for the remainder of Interrogatory 15.

| | 1 | 2 | 3 |
|--|----------|---|-------|
| 15.02 Aggregate statement value of investments held in general partnership interests | \$ | 0 | 0.0 % |
| Largest three investments in general partnership interests: | | | |
| 15.03 | \$ | 0 | 0.0 % |
| 15.04 | \$ | 0 | 0.0 % |
| 15.05 | \$ | 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER CASUALTY COMPANY

16. Amounts and percentages of the reporting entity's total admitted assets held in mortgage loans:

16.01 Are mortgage loans reported in Schedule B less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 16.01 above is yes, responses are not required for the remainder of Interrogatory 16 and Interrogatory 17.

| | 1 | 2 | 3 |
|-------|--|------|-------|
| | Type (Residential, Commercial, Agricultural) | | |
| 16.02 | | \$ 0 | 0.0 % |
| 16.03 | | \$ 0 | 0.0 % |
| 16.04 | | \$ 0 | 0.0 % |
| 16.05 | | \$ 0 | 0.0 % |
| 16.06 | | \$ 0 | 0.0 % |
| 16.07 | | \$ 0 | 0.0 % |
| 16.08 | | \$ 0 | 0.0 % |
| 16.09 | | \$ 0 | 0.0 % |
| 16.10 | | \$ 0 | 0.0 % |
| 16.11 | | \$ 0 | 0.0 % |

Amount and percentage of the reporting entity's total admitted assets held in the following categories of mortgage loans:

| | | Loans | |
|-------|--|-------|-------|
| | | | |
| 16.12 | Construction loans | \$ 0 | 0.0 % |
| 16.13 | Mortgage loans over 90 days past due | \$ 0 | 0.0 % |
| 16.14 | Mortgage loans in the process of foreclosure | \$ 0 | 0.0 % |
| 16.15 | Mortgage loans foreclosed | \$ 0 | 0.0 % |
| 16.16 | Restructured mortgage loans | \$ 0 | 0.0 % |

17. Aggregate mortgage loans having the following loan-to-value ratios as determined from the most current appraisal as of the annual statement date:

| Loan to Value | Residential | | Commercial | | Agricultural | |
|----------------------|-------------|-------|------------|-------|--------------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 17.01 above 95%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.02 91 to 95%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.03 81 to 90%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.04 71 to 80%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.05 below 70%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |

18. Amounts and percentages of the reporting entity's total admitted assets held in each of the five largest investments in real estate:

18.01 Are assets held in real estate reported less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 18.01 above is yes, responses are not required for the remainder of Interrogatory 18.

Largest five investments in any one parcel or group of contiguous parcels of real estate.

| | Description | 1 | 2 | 3 |
|-------|-------------|------|---|-------|
| 18.02 | | \$ 0 | | 0.0 % |
| 18.03 | | \$ 0 | | 0.0 % |
| 18.04 | | \$ 0 | | 0.0 % |
| 18.05 | | \$ 0 | | 0.0 % |
| 18.06 | | \$ 0 | | 0.0 % |

19. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments held in mezzanine real estate loans:

19.01 Are assets held in investments held in mezzanine real estate loans less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 19.01 is yes, responses are not required for the remainder of Interrogatory 19.

| | 1 | 2 | 3 |
|-------|---|------|-------|
| 19.02 | Aggregate statement value of investments held in mezzanine real estate loans: | \$ 0 | 0.0 % |
| | Largest three investments held in mezzanine real estate loans: | | |
| 19.03 | | \$ 0 | 0.0 % |
| 19.04 | | \$ 0 | 0.0 % |
| 19.05 | | \$ 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER CASUALTY COMPANY

20. Amounts and percentages of the reporting entity's total admitted assets subject to the following types of agreements:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|---|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 20.01 Securities lending agreements (do not include assets held as collateral for such transactions) \$ | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.02 Repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.03 Reverse repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.04 Dollar repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.05 Dollar reverse repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

21. Amounts and percentages of the reporting entity's total admitted assets for warrants not attached to other financial instruments, options, caps, and floors:

| | Owned | | | Written | |
|-------------------------------|-------|-------|------|---------|---|
| | 1 | 2 | 3 | 4 | 5 |
| 21.01 Hedging | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.02 Income generation | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.03 Other | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |

22. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for collars, swaps, and forwards:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 22.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

23. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for futures contracts:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 23.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

SUMMARY INVESTMENT SCHEDULE

| Investment Categories | Gross Investment Holdings | | Admitted Assets as Reported in the Annual Statement | | | |
|--|---------------------------|--|---|--|-----------------------------------|--|
| | 1 Amount | 2 Percentage of Column 1 Line 13 | 3 Amount | 4 Securities Lending Reinvested Collateral Amount | 5 Total (Col. 3 + 4) Amount | 6 Percentage of Column 5 Line 13 |
| 1. Long-Term Bonds (Schedule D, Part 1): | | | | | | |
| 1.01 U.S. governments | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.02 All other governments | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.03 U.S. states, territories and possessions, etc. guaranteed | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.04 U.S. political subdivisions of states, territories, and possessions, guaranteed | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.05 U.S. special revenue and special assessment obligations, etc. non-guaranteed | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.06 Industrial and miscellaneous | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.07 Hybrid securities | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.08 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.09 SVO identified funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.10 Unaffiliated bank loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.11 Unaffiliated certificates of deposit | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.12 Total long-term bonds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2. Preferred stocks (Schedule D, Part 2, Section 1): | | | | | | |
| 2.01 Industrial and miscellaneous (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.02 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.03 Total preferred stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3. Common stocks (Schedule D, Part 2, Section 2): | | | | | | |
| 3.01 Industrial and miscellaneous Publicly traded (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.02 Industrial and miscellaneous Other (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.03 Parent, subsidiaries and affiliates Publicly traded | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.04 Parent, subsidiaries and affiliates Other | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.05 Mutual funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.06 Unit investment trusts | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.07 Closed-end funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.08 Exchange traded funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.09 Total common stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4. Mortgage loans (Schedule B): | | | | | | |
| 4.01 Farm mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.02 Residential mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.03 Commercial mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.04 Mezzanine real estate loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.05 Total valuation allowance | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.06 Total mortgage loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5. Real estate (Schedule A): | | | | | | |
| 5.01 Properties occupied by company | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.02 Properties held for production of income | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.03 Properties held for sale | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.04 Total real estate | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6. Cash, cash equivalents and short-term investments: | | | | | | |
| 6.01 Cash (Schedule E, Part 1) | 5,222,762 | 98.121 | 5,222,762 | 0 | 5,222,762 | 98.121 |
| 6.02 Cash equivalents (Schedule E, Part 2) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.03 Short-term investments (Schedule DA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.04 Total cash, cash equivalents and short-term investments | 5,222,762 | 98.121 | 5,222,762 | 0 | 5,222,762 | 98.121 |
| 7. Contract loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 8. Derivatives (Schedule DB) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 9. Other invested assets (Schedule BA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 10. Receivables for securities | 100,000 | 1.879 | 100,000 | 0 | 100,000 | 1.879 |
| 11. Securities Lending (Schedule DL, Part 1)..... | 0 | 0.000 | 0 | XXX | XXX | XXX |
| 12. Other invested assets (Page 2, Line 11) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 13. Total invested assets | 5,322,762 | 100.000 | 5,322,762 | 0 | 5,322,762 | 100.000 |



SUPPLEMENTAL INVESTMENT RISKS INTERROGATORIES

For The Year Ended December 31, 2022
(To Be Filed by April 1)

Of The HANOVER NEW JERSEY INSURANCE COMPANY.....
ADDRESS (City, State and Zip Code) Worcester , MA 01653-0002
NAIC Group Code 0088 NAIC Company Code 11705 Federal Employer's Identification Number (FEIN) 86-1070355

The Investment Risks Interrogatories are to be filed by April 1. They are also to be included with the Audited Statutory Financial Statements.

Answer the following interrogatories by reporting the applicable U.S. dollar amounts and percentages of the reporting entity's total admitted assets held in that category of investments.

1. Reporting entity's total admitted assets as reported on Page 2 of this annual statement.\$5,355,858

2. Ten largest exposures to a single issuer/borrower/investment.

| | 1 Issuer | 2 Description of Exposure | 3 Amount | 4 Percentage of Total Admitted Assets |
|------|-------------|------------------------------|-------------|--|
| 2.01 | | | \$0 |0.0 % |
| 2.02 | | | \$0 |0.0 % |
| 2.03 | | | \$0 |0.0 % |
| 2.04 | | | \$0 |0.0 % |
| 2.05 | | | \$0 |0.0 % |
| 2.06 | | | \$0 |0.0 % |
| 2.07 | | | \$0 |0.0 % |
| 2.08 | | | \$0 |0.0 % |
| 2.09 | | | \$0 |0.0 % |
| 2.10 | | | \$0 |0.0 % |

3. Amounts and percentages of the reporting entity's total admitted assets held in bonds and preferred stocks by NAIC designation.

| | Bonds | 1 | 2 | Preferred Stocks | 3 | 4 | |
|------|--------|-----------|------------|------------------|--------|-----------|------------|
| 3.01 | NAIC 1 | \$0 |0.0 % | 3.07 | NAIC 1 | \$0 |0.0 % |
| 3.02 | NAIC 2 | \$0 |0.0 % | 3.08 | NAIC 2 | \$0 |0.0 % |
| 3.03 | NAIC 3 | \$0 |0.0 % | 3.09 | NAIC 3 | \$0 |0.0 % |
| 3.04 | NAIC 4 | \$0 |0.0 % | 3.10 | NAIC 4 | \$0 |0.0 % |
| 3.05 | NAIC 5 | \$0 |0.0 % | 3.11 | NAIC 5 | \$0 |0.0 % |
| 3.06 | NAIC 6 | \$0 |0.0 % | 3.12 | NAIC 6 | \$0 |0.0 % |

4. Assets held in foreign investments:

4.01 Are assets held in foreign investments less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 4.01 above is yes, responses are not required for interrogatories 5 - 10.

4.02 Total admitted assets held in foreign investments..... \$00.0 %

4.03 Foreign-currency-denominated investments \$00.0 %

4.04 Insurance liabilities denominated in that same foreign currency \$00.0 %

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER NEW JERSEY INSURANCE COMPANY

5. Aggregate foreign investment exposure categorized by NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| 5.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 5.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 5.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

6. Largest foreign investment exposures by country, categorized by the country's NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 6.01 Country 1: | \$0 | 0.0 % |
| 6.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 6.03 Country 1: | \$0 | 0.0 % |
| 6.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 6.05 Country 1: | \$0 | 0.0 % |
| 6.06 Country 2: | \$0 | 0.0 % |

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| 7. Aggregate unhedged foreign currency exposure | \$0 | 0.0 % |

8. Aggregate unhedged foreign currency exposure categorized by NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| 8.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 8.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 8.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

9. Largest unhedged foreign currency exposures by country, categorized by the country's NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 9.01 Country 1: | \$0 | 0.0 % |
| 9.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 9.03 Country 1: | \$0 | 0.0 % |
| 9.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 9.05 Country 1: | \$0 | 0.0 % |
| 9.06 Country 2: | \$0 | 0.0 % |

10. Ten largest non-sovereign (i.e. non-governmental) foreign issues:

| | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|-------------|----------|------------------|-----------|-------------|
| | Issuer | NAIC Designation | | |
| 10.01 | | | \$0 | 0.0 % |
| 10.02 | | | \$0 | 0.0 % |
| 10.03 | | | \$0 | 0.0 % |
| 10.04 | | | \$0 | 0.0 % |
| 10.05 | | | \$0 | 0.0 % |
| 10.06 | | | \$0 | 0.0 % |
| 10.07 | | | \$0 | 0.0 % |
| 10.08 | | | \$0 | 0.0 % |
| 10.09 | | | \$0 | 0.0 % |
| 10.10 | | | \$0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER NEW JERSEY INSURANCE COMPANY

11. Amounts and percentages of the reporting entity's total admitted assets held in Canadian investments and unhedged Canadian currency exposure:

| | | | | | |
|--|---|-----|-------------------------------------|-----|--------------------------|
| 11.01 | Are assets held in Canadian investments less than 2.5% of the reporting entity's total admitted assets? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| If response to 11.01 is yes, detail is not required for the remainder of interrogatory 11. | | | | | |
| 11.02 | Total admitted assets held in Canadian investments | \$ | 1 | 2 | |
| 11.03 | Canadian-currency-denominated investments | \$ | 0 | 0.0 | % |
| 11.04 | Canadian-denominated insurance liabilities | \$ | 0 | 0.0 | % |
| 11.05 | Unhedged Canadian currency exposure | \$ | 0 | 0.0 | % |

12. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments with contractual sales restrictions:

| | | | | | |
|--|--|-----|-------------------------------------|-----|--------------------------|
| 12.01 | Are assets held in investments with contractual sales restrictions less than 2.5% of the reporting entity's total admitted assets? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| If response to 12.01 is yes, responses are not required for the remainder of Interrogatory 12. | | | | | |
| 12.02 | Aggregate statement value of investments with contractual sales restrictions | \$ | 1 | 2 | 3 |
| Largest three investments with contractual sales restrictions: | | | | | |
| 12.03 | ..... | \$ | 0 | 0.0 | % |
| 12.04 | ..... | \$ | 0 | 0.0 | % |
| 12.05 | ..... | \$ | 0 | 0.0 | % |

13. Amounts and percentages of admitted assets held in the ten largest equity interests:

| | | | | | |
|--|---|-----|-------------------------------------|-----|--------------------------|
| 13.01 | Are assets held in equity interests less than 2.5% of the reporting entity's total admitted assets? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| If response to 13.01 above is yes, responses are not required for the remainder of Interrogatory 13. | | | | | |
| 13.02 | ..... | \$ | 1 | 2 | 3 |
| Issuer | | | | | |
| 13.03 | ..... | \$ | 0 | 0.0 | % |
| 13.04 | ..... | \$ | 0 | 0.0 | % |
| 13.05 | ..... | \$ | 0 | 0.0 | % |
| 13.06 | ..... | \$ | 0 | 0.0 | % |
| 13.07 | ..... | \$ | 0 | 0.0 | % |
| 13.08 | ..... | \$ | 0 | 0.0 | % |
| 13.09 | ..... | \$ | 0 | 0.0 | % |
| 13.10 | ..... | \$ | 0 | 0.0 | % |
| 13.11 | ..... | \$ | 0 | 0.0 | % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER NEW JERSEY INSURANCE COMPANY

14. Amounts and percentages of the reporting entity's total admitted assets held in nonaffiliated, privately placed equities:

14.01 Are assets held in nonaffiliated, privately placed equities less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 14.01 above is yes, responses are not required for 14.02 through 14.05.

| | 1 | 2 | 3 |
|---|----------|---|-------|
| 14.02 Aggregate statement value of investments held in nonaffiliated, privately placed equities | \$ | 0 | 0.0 % |
| Largest three investments held in nonaffiliated, privately placed equities: | | | |
| 14.03 | \$ | 0 | 0.0 % |
| 14.04 | \$ | 0 | 0.0 % |
| 14.05 | \$ | 0 | 0.0 % |

Ten largest fund managers:

| | 1 | 2 | 3 | 4 |
|-------------|--------------|----------------|-------------|----------------|
| | Fund Manager | Total Invested | Diversified | Nondiversified |
| 14.06 | | \$ | 0 | \$ |
| 14.07 | | \$ | 0 | \$ |
| 14.08 | | \$ | 0 | \$ |
| 14.09 | | \$ | 0 | \$ |
| 14.10 | | \$ | 0 | \$ |
| 14.11 | | \$ | 0 | \$ |
| 14.12 | | \$ | 0 | \$ |
| 14.13 | | \$ | 0 | \$ |
| 14.14 | | \$ | 0 | \$ |
| 14.15 | | \$ | 0 | \$ |

15. Amounts and percentages of the reporting entity's total admitted assets held in general partnership interests:

15.01 Are assets held in general partnership interests less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 15.01 above is yes, responses are not required for the remainder of Interrogatory 15.

| | 1 | 2 | 3 |
|--|----------|---|-------|
| 15.02 Aggregate statement value of investments held in general partnership interests | \$ | 0 | 0.0 % |
| Largest three investments in general partnership interests: | | | |
| 15.03 | \$ | 0 | 0.0 % |
| 15.04 | \$ | 0 | 0.0 % |
| 15.05 | \$ | 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER NEW JERSEY INSURANCE COMPANY

16. Amounts and percentages of the reporting entity's total admitted assets held in mortgage loans:

16.01 Are mortgage loans reported in Schedule B less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 16.01 above is yes, responses are not required for the remainder of Interrogatory 16 and Interrogatory 17.

| | 1 | 2 | 3 |
|-------|--|------|-------|
| | Type (Residential, Commercial, Agricultural) | | |
| 16.02 | | \$ 0 | 0.0 % |
| 16.03 | | \$ 0 | 0.0 % |
| 16.04 | | \$ 0 | 0.0 % |
| 16.05 | | \$ 0 | 0.0 % |
| 16.06 | | \$ 0 | 0.0 % |
| 16.07 | | \$ 0 | 0.0 % |
| 16.08 | | \$ 0 | 0.0 % |
| 16.09 | | \$ 0 | 0.0 % |
| 16.10 | | \$ 0 | 0.0 % |
| 16.11 | | \$ 0 | 0.0 % |

Amount and percentage of the reporting entity's total admitted assets held in the following categories of mortgage loans:

| | | Loans | |
|-------|--|-------|-------|
| | | | |
| 16.12 | Construction loans | \$ 0 | 0.0 % |
| 16.13 | Mortgage loans over 90 days past due | \$ 0 | 0.0 % |
| 16.14 | Mortgage loans in the process of foreclosure | \$ 0 | 0.0 % |
| 16.15 | Mortgage loans foreclosed | \$ 0 | 0.0 % |
| 16.16 | Restructured mortgage loans | \$ 0 | 0.0 % |

17. Aggregate mortgage loans having the following loan-to-value ratios as determined from the most current appraisal as of the annual statement date:

| Loan to Value | Residential | | Commercial | | Agricultural | |
|----------------------|-------------|-------|------------|-------|--------------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 17.01 above 95%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.02 91 to 95%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.03 81 to 90%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.04 71 to 80%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.05 below 70%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |

18. Amounts and percentages of the reporting entity's total admitted assets held in each of the five largest investments in real estate:

18.01 Are assets held in real estate reported less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 18.01 above is yes, responses are not required for the remainder of Interrogatory 18.

Largest five investments in any one parcel or group of contiguous parcels of real estate.

| | Description | 1 | 2 | 3 |
|-------|-------------|------|---|-------|
| 18.02 | | \$ 0 | | 0.0 % |
| 18.03 | | \$ 0 | | 0.0 % |
| 18.04 | | \$ 0 | | 0.0 % |
| 18.05 | | \$ 0 | | 0.0 % |
| 18.06 | | \$ 0 | | 0.0 % |

19. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments held in mezzanine real estate loans:

19.01 Are assets held in investments held in mezzanine real estate loans less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 19.01 is yes, responses are not required for the remainder of Interrogatory 19.

| | 1 | 2 | 3 |
|-------|---|------|-------|
| 19.02 | Aggregate statement value of investments held in mezzanine real estate loans: | \$ 0 | 0.0 % |
| | Largest three investments held in mezzanine real estate loans: | | |
| 19.03 | | \$ 0 | 0.0 % |
| 19.04 | | \$ 0 | 0.0 % |
| 19.05 | | \$ 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER NEW JERSEY INSURANCE COMPANY

20. Amounts and percentages of the reporting entity's total admitted assets subject to the following types of agreements:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | |
|---|-------------|-------|------------------|------------------------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | 3rd Quarter 5 |
| 20.01 Securities lending agreements (do not include assets held as collateral for such transactions) \$ | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 20.02 Repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 20.03 Reverse repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 20.04 Dollar repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 20.05 Dollar reverse repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |

21. Amounts and percentages of the reporting entity's total admitted assets for warrants not attached to other financial instruments, options, caps, and floors:

| | Owned | | | Written | |
|-------------------------------|-------|-------|------|---------|---|
| | 1 | 2 | 3 | 4 | 5 |
| 21.01 Hedging | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.02 Income generation | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.03 Other | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |

22. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for collars, swaps, and forwards:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | |
|-------------------------------|-------------|-------|------------------|------------------------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | 3rd Quarter 5 |
| 22.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 22.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 22.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 22.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |

23. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for futures contracts:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | |
|-------------------------------|-------------|-------|------------------|------------------------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | 3rd Quarter 5 |
| 23.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 23.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 23.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 23.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |

SUMMARY INVESTMENT SCHEDULE

| Investment Categories | Gross Investment Holdings | | Admitted Assets as Reported in the Annual Statement | | | |
|--|---------------------------|-------------------------------------|---|--|--------------------------------|-------------------------------------|
| | 1 Amount | 2 Percentage of Column 1 Line 13 | 3 Amount | 4 Securities Lending Reinvested Collateral Amount | 5 Total (Col. 3 + 4) Amount | 6 Percentage of Column 5 Line 13 |
| 1. Long-Term Bonds (Schedule D, Part 1): | | | | | | |
| 1.01 U.S. governments | 9,635,826 | 41.427 | 9,635,826 | 0 | 9,635,826 | 41.427 |
| 1.02 All other governments | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.03 U.S. states, territories and possessions, etc. guaranteed | 3,999,821 | 17.196 | 3,999,821 | 0 | 3,999,821 | 17.196 |
| 1.04 U.S. political subdivisions of states, territories, and possessions, guaranteed | 631,176 | 2.714 | 631,176 | 0 | 631,176 | 2.714 |
| 1.05 U.S. special revenue and special assessment obligations, etc. non-guaranteed | 5,682,490 | 24.430 | 5,682,490 | 0 | 5,682,490 | 24.430 |
| 1.06 Industrial and miscellaneous | 2,965,659 | 12.750 | 2,965,659 | 0 | 2,965,659 | 12.750 |
| 1.07 Hybrid securities | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.08 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.09 SVO identified funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.10 Unaffiliated bank loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.11 Unaffiliated certificates of deposit | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.12 Total long-term bonds | 22,914,971 | 98.517 | 22,914,971 | 0 | 22,914,971 | 98.517 |
| 2. Preferred stocks (Schedule D, Part 2, Section 1): | | | | | | |
| 2.01 Industrial and miscellaneous (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.02 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.03 Total preferred stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3. Common stocks (Schedule D, Part 2, Section 2): | | | | | | |
| 3.01 Industrial and miscellaneous Publicly traded (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.02 Industrial and miscellaneous Other (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.03 Parent, subsidiaries and affiliates Publicly traded | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.04 Parent, subsidiaries and affiliates Other | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.05 Mutual funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.06 Unit investment trusts | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.07 Closed-end funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.08 Exchange traded funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.09 Total common stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4. Mortgage loans (Schedule B): | | | | | | |
| 4.01 Farm mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.02 Residential mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.03 Commercial mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.04 Mezzanine real estate loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.05 Total valuation allowance | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.06 Total mortgage loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5. Real estate (Schedule A): | | | | | | |
| 5.01 Properties occupied by company | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.02 Properties held for production of income | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.03 Properties held for sale | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.04 Total real estate | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6. Cash, cash equivalents and short-term investments: | | | | | | |
| 6.01 Cash (Schedule E, Part 1) | 328,068 | 1.410 | 328,068 | 0 | 328,068 | 1.410 |
| 6.02 Cash equivalents (Schedule E, Part 2) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.03 Short-term investments (Schedule DA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.04 Total cash, cash equivalents and short-term investments | 328,068 | 1.410 | 328,068 | 0 | 328,068 | 1.410 |
| 7. Contract loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 8. Derivatives (Schedule DB) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 9. Other invested assets (Schedule BA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 10. Receivables for securities | 16,941 | 0.073 | 16,941 | 0 | 16,941 | 0.073 |
| 11. Securities Lending (Schedule DL, Part 1)..... | 0 | 0.000 | 0 | XXX | XXX | XXX |
| 12. Other invested assets (Page 2, Line 11) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 13. Total invested assets | 23,259,980 | 100.000 | 23,259,980 | 0 | 23,259,980 | 100.000 |



SUPPLEMENTAL INVESTMENT RISKS INTERROGATORIES

For The Year Ended December 31, 2022
(To Be Filed by April 1)

Of The ALLMERICA FINANCIAL ALLIANCE INSURANCE COMPANY.....
ADDRESS (City, State and Zip Code) Worcester , MA 01653-0002
NAIC Group Code 0088 NAIC Company Code 10212 Federal Employer's Identification Number (FEIN) 04-3272695

The Investment Risks Interrogatories are to be filed by April 1. They are also to be included with the Audited Statutory Financial Statements.

Answer the following interrogatories by reporting the applicable U.S. dollar amounts and percentages of the reporting entity's total admitted assets held in that category of investments.

1. Reporting entity's total admitted assets as reported on Page 2 of this annual statement.\$ 23,417,703

2. Ten largest exposures to a single issuer/borrower/investment.

| | 1 Issuer | 2 Description of Exposure | 3 Amount | 4 Percentage of Total Admitted Assets |
|------|---|------------------------------|--------------------|--|
| 2.01 | GEORGIA ST | Bonds | \$ 2,307,632 | 9.9 % |
| 2.02 | DOWNTOWN SAVANNAH AUTH GA REV (261172) | Bonds | \$ 715,692 | 3.1 % |
| 2.03 | SAN FRANCISCO CALIF CITY & CNTY PUB UTILS COMMN WT (79765R) | Bonds | \$ 679,687 | 2.9 % |
| 2.04 | CARGILL INC (141781) | Bonds | \$ 498,837 | 2.1 % |
| 2.05 | GWINNETT CNTY GA DEV AUTH REV (403720) | Bonds | \$ 487,821 | 2.1 % |
| 2.06 | WISCONSIN ST (977705M) | Bonds | \$ 400,000 | 1.7 % |
| 2.07 | METROPOLITAN ATLANTA RAPID TRAN AUTH GA SALES TAX (591745) | Bonds | \$ 389,389 | 1.7 % |
| 2.08 | TEXAS ST | Bonds | \$ 354,775 | 1.5 % |
| 2.09 | AUGUSTA GA WTR & SEW REV (051249) ... | Bonds | \$ 300,000 | 1.3 % |
| 2.10 | OREGON | Bonds | \$ 285,175 | 1.2 % |

3. Amounts and percentages of the reporting entity's total admitted assets held in bonds and preferred stocks by NAIC designation.

| | Bonds | 1 | 2 | Preferred Stocks | 3 | 4 |
|------|--------------|---------------------|--------------|-------------------|------------|-------------|
| 3.01 | NAIC 1 | \$ 21,914,979 | 93.6 % | 3.07 NAIC 1 | \$ 0 | 0.0 % |
| 3.02 | NAIC 2 | \$ 999,992 | 4.3 % | 3.08 NAIC 2 | \$ 0 | 0.0 % |
| 3.03 | NAIC 3 | \$ 0 | 0.0 % | 3.09 NAIC 3 | \$ 0 | 0.0 % |
| 3.04 | NAIC 4 | \$ 0 | 0.0 % | 3.10 NAIC 4 | \$ 0 | 0.0 % |
| 3.05 | NAIC 5 | \$ 0 | 0.0 % | 3.11 NAIC 5 | \$ 0 | 0.0 % |
| 3.06 | NAIC 6 | \$ 0 | 0.0 % | 3.12 NAIC 6 | \$ 0 | 0.0 % |

4. Assets held in foreign investments:

| | | | |
|--|--|------------------|-------------|
| 4.01 | Are assets held in foreign investments less than 2.5% of the reporting entity's total admitted assets? | Yes [X] | No [] |
| If response to 4.01 above is yes, responses are not required for interrogatories 5 - 10. | | | |
| 4.02 | Total admitted assets held in foreign investments..... | \$ 149,664 | 0.6 % |
| 4.03 | Foreign-currency-denominated investments | \$ 0 | 0.0 % |
| 4.04 | Insurance liabilities denominated in that same foreign currency | \$ 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE ALLMERICA FINANCIAL ALLIANCE INSURANCE COMPANY

5. Aggregate foreign investment exposure categorized by NAIC sovereign designation:

| | 1 | 2 |
|---|-----------|-------------|
| 5.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 5.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 5.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

6. Largest foreign investment exposures by country, categorized by the country's NAIC sovereign designation:

| | 1 | 2 |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 6.01 Country 1: | \$0 | 0.0 % |
| 6.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 6.03 Country 1: | \$0 | 0.0 % |
| 6.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 6.05 Country 1: | \$0 | 0.0 % |
| 6.06 Country 2: | \$0 | 0.0 % |

| | 1 | 2 |
|---|-----------|-------------|
| 7. Aggregate unhedged foreign currency exposure | \$0 | 0.0 % |

8. Aggregate unhedged foreign currency exposure categorized by NAIC sovereign designation:

| | 1 | 2 |
|---|-----------|-------------|
| 8.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 8.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 8.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

9. Largest unhedged foreign currency exposures by country, categorized by the country's NAIC sovereign designation:

| | 1 | 2 |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 9.01 Country 1: | \$0 | 0.0 % |
| 9.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 9.03 Country 1: | \$0 | 0.0 % |
| 9.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 9.05 Country 1: | \$0 | 0.0 % |
| 9.06 Country 2: | \$0 | 0.0 % |

10. Ten largest non-sovereign (i.e. non-governmental) foreign issues:

| | 1 | 2 | 3 | 4 |
|-------------|--------|------------------|-----------|-------------|
| | Issuer | NAIC Designation | | |
| 10.01 | | | \$0 | 0.0 % |
| 10.02 | | | \$0 | 0.0 % |
| 10.03 | | | \$0 | 0.0 % |
| 10.04 | | | \$0 | 0.0 % |
| 10.05 | | | \$0 | 0.0 % |
| 10.06 | | | \$0 | 0.0 % |
| 10.07 | | | \$0 | 0.0 % |
| 10.08 | | | \$0 | 0.0 % |
| 10.09 | | | \$0 | 0.0 % |
| 10.10 | | | \$0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE ALLMERICA FINANCIAL ALLIANCE INSURANCE COMPANY

11. Amounts and percentages of the reporting entity's total admitted assets held in Canadian investments and unhedged Canadian currency exposure:

11.01 Are assets held in Canadian investments less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []
 If response to 11.01 is yes, detail is not required for the remainder of interrogatory 11.

| | 1 | 2 |
|--|-----------|-------------|
| 11.02 Total admitted assets held in Canadian investments | \$0 | 0.0 % |
| 11.03 Canadian-currency-denominated investments | \$0 | 0.0 % |
| 11.04 Canadian-denominated insurance liabilities | \$0 | 0.0 % |
| 11.05 Unhedged Canadian currency exposure | \$0 | 0.0 % |

12. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments with contractual sales restrictions:

12.01 Are assets held in investments with contractual sales restrictions less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []
 If response to 12.01 is yes, responses are not required for the remainder of Interrogatory 12.

| | 1 | 2 | 3 |
|--|-----------|---|-------------|
| 12.02 Aggregate statement value of investments with contractual sales restrictions | \$0 | | 0.0 % |
| Largest three investments with contractual sales restrictions: | | | |
| 12.03 | \$0 | | 0.0 % |
| 12.04 | \$0 | | 0.0 % |
| 12.05 | \$0 | | 0.0 % |

13. Amounts and percentages of admitted assets held in the ten largest equity interests:

13.01 Are assets held in equity interests less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []
 If response to 13.01 above is yes, responses are not required for the remainder of Interrogatory 13.

| | 1 | 2 | 3 |
|-------------|-----------|---|-------------|
| | Issuer | | |
| 13.02 | \$0 | | 0.0 % |
| 13.03 | \$0 | | 0.0 % |
| 13.04 | \$0 | | 0.0 % |
| 13.05 | \$0 | | 0.0 % |
| 13.06 | \$0 | | 0.0 % |
| 13.07 | \$0 | | 0.0 % |
| 13.08 | \$0 | | 0.0 % |
| 13.09 | \$0 | | 0.0 % |
| 13.10 | \$0 | | 0.0 % |
| 13.11 | \$0 | | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE ALLMERICA FINANCIAL ALLIANCE INSURANCE COMPANY

14. Amounts and percentages of the reporting entity's total admitted assets held in nonaffiliated, privately placed equities:

14.01 Are assets held in nonaffiliated, privately placed equities less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 14.01 above is yes, responses are not required for 14.02 through 14.05.

| | 1 | 2 | 3 |
|---|----------|---|-------|
| 14.02 Aggregate statement value of investments held in nonaffiliated, privately placed equities | \$ | 0 | 0.0 % |
| Largest three investments held in nonaffiliated, privately placed equities: | | | |
| 14.03 | \$ | 0 | 0.0 % |
| 14.04 | \$ | 0 | 0.0 % |
| 14.05 | \$ | 0 | 0.0 % |

Ten largest fund managers:

| | 1 | 2 | 3 | 4 |
|-------------|--------------|----------------|-------------|----------------|
| | Fund Manager | Total Invested | Diversified | Nondiversified |
| 14.06 | | \$ | \$ | \$ |
| 14.07 | | \$ | \$ | \$ |
| 14.08 | | \$ | \$ | \$ |
| 14.09 | | \$ | \$ | \$ |
| 14.10 | | \$ | \$ | \$ |
| 14.11 | | \$ | \$ | \$ |
| 14.12 | | \$ | \$ | \$ |
| 14.13 | | \$ | \$ | \$ |
| 14.14 | | \$ | \$ | \$ |
| 14.15 | | \$ | \$ | \$ |

15. Amounts and percentages of the reporting entity's total admitted assets held in general partnership interests:

15.01 Are assets held in general partnership interests less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 15.01 above is yes, responses are not required for the remainder of Interrogatory 15.

| | 1 | 2 | 3 |
|--|----------|---|-------|
| 15.02 Aggregate statement value of investments held in general partnership interests | \$ | 0 | 0.0 % |
| Largest three investments in general partnership interests: | | | |
| 15.03 | \$ | 0 | 0.0 % |
| 15.04 | \$ | 0 | 0.0 % |
| 15.05 | \$ | 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE ALLMERICA FINANCIAL ALLIANCE INSURANCE COMPANY

16. Amounts and percentages of the reporting entity's total admitted assets held in mortgage loans:

16.01 Are mortgage loans reported in Schedule B less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 16.01 above is yes, responses are not required for the remainder of Interrogatory 16 and Interrogatory 17.

| | 1 | 2 | 3 |
|-------|--|------|-------|
| | Type (Residential, Commercial, Agricultural) | | |
| 16.02 | | \$ 0 | 0.0 % |
| 16.03 | | \$ 0 | 0.0 % |
| 16.04 | | \$ 0 | 0.0 % |
| 16.05 | | \$ 0 | 0.0 % |
| 16.06 | | \$ 0 | 0.0 % |
| 16.07 | | \$ 0 | 0.0 % |
| 16.08 | | \$ 0 | 0.0 % |
| 16.09 | | \$ 0 | 0.0 % |
| 16.10 | | \$ 0 | 0.0 % |
| 16.11 | | \$ 0 | 0.0 % |

Amount and percentage of the reporting entity's total admitted assets held in the following categories of mortgage loans:

| | | Loans | |
|-------|--|-------|-------|
| | | | |
| 16.12 | Construction loans | \$ 0 | 0.0 % |
| 16.13 | Mortgage loans over 90 days past due | \$ 0 | 0.0 % |
| 16.14 | Mortgage loans in the process of foreclosure | \$ 0 | 0.0 % |
| 16.15 | Mortgage loans foreclosed | \$ 0 | 0.0 % |
| 16.16 | Restructured mortgage loans | \$ 0 | 0.0 % |

17. Aggregate mortgage loans having the following loan-to-value ratios as determined from the most current appraisal as of the annual statement date:

| Loan to Value | Residential | | Commercial | | Agricultural | |
|----------------------|-------------|-------|------------|-------|--------------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 17.01 above 95%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.02 91 to 95%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.03 81 to 90%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.04 71 to 80%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.05 below 70%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |

18. Amounts and percentages of the reporting entity's total admitted assets held in each of the five largest investments in real estate:

18.01 Are assets held in real estate reported less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 18.01 above is yes, responses are not required for the remainder of Interrogatory 18.

Largest five investments in any one parcel or group of contiguous parcels of real estate.

| | Description | 1 | 2 | 3 |
|-------|-------------|------|---|-------|
| 18.02 | | \$ 0 | | 0.0 % |
| 18.03 | | \$ 0 | | 0.0 % |
| 18.04 | | \$ 0 | | 0.0 % |
| 18.05 | | \$ 0 | | 0.0 % |
| 18.06 | | \$ 0 | | 0.0 % |

19. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments held in mezzanine real estate loans:

19.01 Are assets held in investments held in mezzanine real estate loans less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 19.01 is yes, responses are not required for the remainder of Interrogatory 19.

| | 1 | 2 | 3 |
|-------|---|------|-------|
| 19.02 | Aggregate statement value of investments held in mezzanine real estate loans: | \$ 0 | 0.0 % |
| | Largest three investments held in mezzanine real estate loans: | | |
| 19.03 | | \$ 0 | 0.0 % |
| 19.04 | | \$ 0 | 0.0 % |
| 19.05 | | \$ 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE ALLMERICA FINANCIAL ALLIANCE INSURANCE COMPANY

20. Amounts and percentages of the reporting entity's total admitted assets subject to the following types of agreements:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|---|-------------|-------|------------------|------------------------|---|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 20.01 Securities lending agreements (do not include assets held as collateral for such transactions) \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 20.02 Repurchase agreements \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 20.03 Reverse repurchase agreements \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 20.04 Dollar repurchase agreements \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 20.05 Dollar reverse repurchase agreements \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |

21. Amounts and percentages of the reporting entity's total admitted assets for warrants not attached to other financial instruments, options, caps, and floors:

| | Owned | | 3 | Written | |
|----------------------------|-------|-------|---|---------|--|
| | 1 | 2 | | 4 | |
| 21.01 Hedging \$ | 0 | 0.0 % | 0 | 0.0 % | |
| 21.02 Income generation \$ | 0 | 0.0 % | 0 | 0.0 % | |
| 21.03 Other \$ | 0 | 0.0 % | 0 | 0.0 % | |

22. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for collars, swaps, and forwards:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|----------------------------|-------------|-------|------------------|------------------------|---|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 22.01 Hedging \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 22.02 Income generation \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 22.03 Replications \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 22.04 Other \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |

23. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for futures contracts:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|----------------------------|-------------|-------|------------------|------------------------|---|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 23.01 Hedging \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 23.02 Income generation \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 23.03 Replications \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 23.04 Other \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |

SUMMARY INVESTMENT SCHEDULE

| Investment Categories | Gross Investment Holdings | | Admitted Assets as Reported in the Annual Statement | | | |
|--|---------------------------|-------------------------------------|---|--|--------------------------------|-------------------------------------|
| | 1 Amount | 2 Percentage of Column 1 Line 13 | 3 Amount | 4 Securities Lending Reinvested Collateral Amount | 5 Total (Col. 3 + 4) Amount | 6 Percentage of Column 5 Line 13 |
| 1. Long-Term Bonds (Schedule D, Part 1): | | | | | | |
| 1.01 U.S. governments | 14,938,432 | 19.480 | 14,938,432 | 0 | 14,938,432 | 19.480 |
| 1.02 All other governments | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.03 U.S. states, territories and possessions, etc. guaranteed | 8,308,283 | 10.834 | 8,308,283 | 0 | 8,308,283 | 10.834 |
| 1.04 U.S. political subdivisions of states, territories, and possessions, guaranteed | 7,450,465 | 9.715 | 7,450,465 | 0 | 7,450,465 | 9.715 |
| 1.05 U.S. special revenue and special assessment obligations, etc. non-guaranteed | 31,940,282 | 41.650 | 31,940,282 | 0 | 31,940,282 | 41.650 |
| 1.06 Industrial and miscellaneous | 12,937,991 | 16.871 | 12,937,991 | 0 | 12,937,991 | 16.871 |
| 1.07 Hybrid securities | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.08 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.09 SVO identified funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.10 Unaffiliated bank loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.11 Unaffiliated certificates of deposit | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.12 Total long-term bonds | 75,575,454 | 98.549 | 75,575,453 | 0 | 75,575,453 | 98.549 |
| 2. Preferred stocks (Schedule D, Part 2, Section 1): | | | | | | |
| 2.01 Industrial and miscellaneous (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.02 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.03 Total preferred stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3. Common stocks (Schedule D, Part 2, Section 2): | | | | | | |
| 3.01 Industrial and miscellaneous Publicly traded (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.02 Industrial and miscellaneous Other (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.03 Parent, subsidiaries and affiliates Publicly traded | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.04 Parent, subsidiaries and affiliates Other | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.05 Mutual funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.06 Unit investment trusts | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.07 Closed-end funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.08 Exchange traded funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.09 Total common stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4. Mortgage loans (Schedule B): | | | | | | |
| 4.01 Farm mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.02 Residential mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.03 Commercial mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.04 Mezzanine real estate loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.05 Total valuation allowance | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.06 Total mortgage loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5. Real estate (Schedule A): | | | | | | |
| 5.01 Properties occupied by company | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.02 Properties held for production of income | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.03 Properties held for sale | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.04 Total real estate | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6. Cash, cash equivalents and short-term investments: | | | | | | |
| 6.01 Cash (Schedule E, Part 1) | 573,629 | 0.748 | 573,629 | 0 | 573,629 | 0.748 |
| 6.02 Cash equivalents (Schedule E, Part 2) | 1,980 | 0.003 | 1,980 | 0 | 1,980 | 0.003 |
| 6.03 Short-term investments (Schedule DA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.04 Total cash, cash equivalents and short-term investments | 575,609 | 0.751 | 575,609 | 0 | 575,609 | 0.751 |
| 7. Contract loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 8. Derivatives (Schedule DB) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 9. Other invested assets (Schedule BA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 10. Receivables for securities | 536,813 | 0.700 | 536,813 | 0 | 536,813 | 0.700 |
| 11. Securities Lending (Schedule DL, Part 1)..... | 0 | 0.000 | 0 | XXX | XXX | XXX |
| 12. Other invested assets (Page 2, Line 11) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 13. Total invested assets | 76,687,875 | 100.000 | 76,687,875 | 0 | 76,687,875 | 100.000 |



SUPPLEMENTAL INVESTMENT RISKS INTERROGATORIES

For The Year Ended December 31, 2022
(To Be Filed by April 1)

Of The ALLMERICA FINANCIAL BENEFIT INSURANCE COMPANY.....
 ADDRESS (City, State and Zip Code) Worcester , MA 01653-0002
 NAIC Group Code 0088 NAIC Company Code 41840 Federal Employer's Identification Number (FEIN) 23-2643430

The Investment Risks Interrogatories are to be filed by April 1. They are also to be included with the Audited Statutory Financial Statements.

Answer the following interrogatories by reporting the applicable U.S. dollar amounts and percentages of the reporting entity's total admitted assets held in that category of investments.

1. Reporting entity's total admitted assets as reported on Page 2 of this annual statement.\$ 77,201,709

2. Ten largest exposures to a single issuer/borrower/investment.

| | 1 | 2 | 3 | 4 |
|------|--|-------------------------|--------------------|-------------------------------------|
| | Issuer | Description of Exposure | Amount | Percentage of Total Admitted Assets |
| 2.01 | EAST BATON ROUGE LA SEW COMMN REV (270618) | Bonds | \$ 3,451,640 | 4.5 % |
| 2.02 | LOUISIANA LOC GOVT ENVIRONMENTAL FACS & CMNTY DEV (54628C) | Bonds | \$ 3,029,919 | 3.9 % |
| 2.03 | LOUISIANA ST GAS & FUELS TAX REV | Bonds | \$ 2,989,507 | 3.9 % |
| 2.04 | GEORGIA ST | Bonds | \$ 2,885,652 | 3.7 % |
| 2.05 | LOUISIANA ST | Bonds | \$ 2,755,843 | 3.6 % |
| 2.06 | ATLANTA GA WTR & WASTEWTR REV (047870) | Bonds | \$ 2,347,183 | 3.0 % |
| 2.07 | COLUMBUS GA WTR & SEW REV (199144) . | Bonds | \$ 2,239,544 | 2.9 % |
| 2.08 | DOWNTOWN SAVANNAH AUTH GA REV (261172) | Bonds | \$ 2,061,563 | 2.7 % |
| 2.09 | METROPOLITAN ATLANTA RAPID TRAN AUTH GA SALES TAX (591745) | Bonds | \$ 1,328,079 | 1.7 % |
| 2.10 | COBB-MARIETTA GA COLISEUM & EXHIBIT HALL AUTH REV (190760) | Bonds | \$ 1,325,434 | 1.7 % |

3. Amounts and percentages of the reporting entity's total admitted assets held in bonds and preferred stocks by NAIC designation.

| | Bonds | 1 | 2 | Preferred Stocks | 3 | 4 |
|------|--------------|---------------------|--------------|-------------------|------------|-------------|
| 3.01 | NAIC 1 | \$ 72,079,991 | 93.4 % | 3.07 NAIC 1 | \$ 0 | 0.0 % |
| 3.02 | NAIC 2 | \$ 3,495,463 | 4.5 % | 3.08 NAIC 2 | \$ 0 | 0.0 % |
| 3.03 | NAIC 3 | \$ 0 | 0.0 % | 3.09 NAIC 3 | \$ 0 | 0.0 % |
| 3.04 | NAIC 4 | \$ 0 | 0.0 % | 3.10 NAIC 4 | \$ 0 | 0.0 % |
| 3.05 | NAIC 5 | \$ 0 | 0.0 % | 3.11 NAIC 5 | \$ 0 | 0.0 % |
| 3.06 | NAIC 6 | \$ 0 | 0.0 % | 3.12 NAIC 6 | \$ 0 | 0.0 % |

4. Assets held in foreign investments:

| | | | |
|--|--|------------------|-------------|
| 4.01 | Are assets held in foreign investments less than 2.5% of the reporting entity's total admitted assets? | Yes [X] | No [] |
| If response to 4.01 above is yes, responses are not required for interrogatories 5 - 10. | | | |
| 4.02 | Total admitted assets held in foreign investments..... | \$ 594,287 | 0.8 % |
| 4.03 | Foreign-currency-denominated investments | \$ 0 | 0.0 % |
| 4.04 | Insurance liabilities denominated in that same foreign currency | \$ 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE ALLMERICA FINANCIAL BENEFIT INSURANCE COMPANY

5. Aggregate foreign investment exposure categorized by NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| 5.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 5.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 5.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

6. Largest foreign investment exposures by country, categorized by the country's NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 6.01 Country 1: | \$0 | 0.0 % |
| 6.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 6.03 Country 1: | \$0 | 0.0 % |
| 6.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 6.05 Country 1: | \$0 | 0.0 % |
| 6.06 Country 2: | \$0 | 0.0 % |

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| 7. Aggregate unhedged foreign currency exposure | \$0 | 0.0 % |

8. Aggregate unhedged foreign currency exposure categorized by NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| 8.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 8.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 8.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

9. Largest unhedged foreign currency exposures by country, categorized by the country's NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 9.01 Country 1: | \$0 | 0.0 % |
| 9.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 9.03 Country 1: | \$0 | 0.0 % |
| 9.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 9.05 Country 1: | \$0 | 0.0 % |
| 9.06 Country 2: | \$0 | 0.0 % |

10. Ten largest non-sovereign (i.e. non-governmental) foreign issues:

| | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|-------------|----------|------------------|-----------|-------------|
| | Issuer | NAIC Designation | | |
| 10.01 | | | \$0 | 0.0 % |
| 10.02 | | | \$0 | 0.0 % |
| 10.03 | | | \$0 | 0.0 % |
| 10.04 | | | \$0 | 0.0 % |
| 10.05 | | | \$0 | 0.0 % |
| 10.06 | | | \$0 | 0.0 % |
| 10.07 | | | \$0 | 0.0 % |
| 10.08 | | | \$0 | 0.0 % |
| 10.09 | | | \$0 | 0.0 % |
| 10.10 | | | \$0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE ALLMERICA FINANCIAL BENEFIT INSURANCE COMPANY

11. Amounts and percentages of the reporting entity's total admitted assets held in Canadian investments and unhedged Canadian currency exposure:

| | | | | | |
|--|---|----------|-------------------------------------|----------|--------------------------|
| 11.01 | Are assets held in Canadian investments less than 2.5% of the reporting entity's total admitted assets? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| If response to 11.01 is yes, detail is not required for the remainder of interrogatory 11. | | | | | |
| | | <u>1</u> | | <u>2</u> | |
| 11.02 | Total admitted assets held in Canadian investments | \$ | 0 | 0.0 | % |
| 11.03 | Canadian-currency-denominated investments | \$ | 0 | 0.0 | % |
| 11.04 | Canadian-denominated insurance liabilities | \$ | 0 | 0.0 | % |
| 11.05 | Unhedged Canadian currency exposure | \$ | 0 | 0.0 | % |

12. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments with contractual sales restrictions:

| | | | | | |
|--|--|----------|-------------------------------------|----------|--------------------------|
| 12.01 | Are assets held in investments with contractual sales restrictions less than 2.5% of the reporting entity's total admitted assets? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| If response to 12.01 is yes, responses are not required for the remainder of Interrogatory 12. | | | | | |
| | | <u>1</u> | | <u>2</u> | |
| 12.02 | Aggregate statement value of investments with contractual sales restrictions | \$ | 0 | 0.0 | % |
| Largest three investments with contractual sales restrictions: | | | | | |
| 12.03 | ..... | \$ | 0 | 0.0 | % |
| 12.04 | ..... | \$ | 0 | 0.0 | % |
| 12.05 | ..... | \$ | 0 | 0.0 | % |

13. Amounts and percentages of admitted assets held in the ten largest equity interests:

| | | | | | |
|--|---|----------|-------------------------------------|----------|--------------------------|
| 13.01 | Are assets held in equity interests less than 2.5% of the reporting entity's total admitted assets? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| If response to 13.01 above is yes, responses are not required for the remainder of Interrogatory 13. | | | | | |
| | | <u>1</u> | | <u>2</u> | |
| | <u>Issuer</u> | | | | |
| 13.02 | ..... | \$ | 0 | 0.0 | % |
| 13.03 | ..... | \$ | 0 | 0.0 | % |
| 13.04 | ..... | \$ | 0 | 0.0 | % |
| 13.05 | ..... | \$ | 0 | 0.0 | % |
| 13.06 | ..... | \$ | 0 | 0.0 | % |
| 13.07 | ..... | \$ | 0 | 0.0 | % |
| 13.08 | ..... | \$ | 0 | 0.0 | % |
| 13.09 | ..... | \$ | 0 | 0.0 | % |
| 13.10 | ..... | \$ | 0 | 0.0 | % |
| 13.11 | ..... | \$ | 0 | 0.0 | % |

SUPPLEMENT FOR THE YEAR 2022 OF THE ALLMERICA FINANCIAL BENEFIT INSURANCE COMPANY

14. Amounts and percentages of the reporting entity's total admitted assets held in nonaffiliated, privately placed equities:

14.01 Are assets held in nonaffiliated, privately placed equities less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 14.01 above is yes, responses are not required for 14.02 through 14.05.

| | 1 | 2 | 3 |
|---|----------|---|-------|
| 14.02 Aggregate statement value of investments held in nonaffiliated, privately placed equities | \$ | 0 | 0.0 % |
| Largest three investments held in nonaffiliated, privately placed equities: | | | |
| 14.03 | \$ | 0 | 0.0 % |
| 14.04 | \$ | 0 | 0.0 % |
| 14.05 | \$ | 0 | 0.0 % |

Ten largest fund managers:

| | 1 | 2 | 3 | 4 |
|-----------------------------|--------------|----------------|-------------|----------------|
| | Fund Manager | Total Invested | Diversified | Nondiversified |
| 14.06 ALLSPRING FUNDS | | \$ 1,980 | \$ 1,980 | \$ 0 |
| 14.07 | | \$ 0 | \$ 0 | \$ 0 |
| 14.08 | | \$ 0 | \$ 0 | \$ 0 |
| 14.09 | | \$ 0 | \$ 0 | \$ 0 |
| 14.10 | | \$ 0 | \$ 0 | \$ 0 |
| 14.11 | | \$ 0 | \$ 0 | \$ 0 |
| 14.12 | | \$ 0 | \$ 0 | \$ 0 |
| 14.13 | | \$ 0 | \$ 0 | \$ 0 |
| 14.14 | | \$ 0 | \$ 0 | \$ 0 |
| 14.15 | | \$ 0 | \$ 0 | \$ 0 |

15. Amounts and percentages of the reporting entity's total admitted assets held in general partnership interests:

15.01 Are assets held in general partnership interests less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 15.01 above is yes, responses are not required for the remainder of Interrogatory 15.

| | 1 | 2 | 3 |
|--|----------|---|-------|
| 15.02 Aggregate statement value of investments held in general partnership interests | \$ | 0 | 0.0 % |
| Largest three investments in general partnership interests: | | | |
| 15.03 | \$ | 0 | 0.0 % |
| 15.04 | \$ | 0 | 0.0 % |
| 15.05 | \$ | 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE ALLMERICA FINANCIAL BENEFIT INSURANCE COMPANY

16. Amounts and percentages of the reporting entity's total admitted assets held in mortgage loans:

16.01 Are mortgage loans reported in Schedule B less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 16.01 above is yes, responses are not required for the remainder of Interrogatory 16 and Interrogatory 17.

| | 1 | 2 | 3 |
|-------|--|-----------|------------|
| | Type (Residential, Commercial, Agricultural) | | |
| 16.02 | | \$0 |0.0 % |
| 16.03 | | \$0 |0.0 % |
| 16.04 | | \$0 |0.0 % |
| 16.05 | | \$0 |0.0 % |
| 16.06 | | \$0 |0.0 % |
| 16.07 | | \$0 |0.0 % |
| 16.08 | | \$0 |0.0 % |
| 16.09 | | \$0 |0.0 % |
| 16.10 | | \$0 |0.0 % |
| 16.11 | | \$0 |0.0 % |

Amount and percentage of the reporting entity's total admitted assets held in the following categories of mortgage loans:

| | | Loans | |
|-------|--|-----------|------------|
| | | | |
| 16.12 | Construction loans | \$0 |0.0 % |
| 16.13 | Mortgage loans over 90 days past due | \$0 |0.0 % |
| 16.14 | Mortgage loans in the process of foreclosure | \$0 |0.0 % |
| 16.15 | Mortgage loans foreclosed | \$0 |0.0 % |
| 16.16 | Restructured mortgage loans | \$0 |0.0 % |

17. Aggregate mortgage loans having the following loan-to-value ratios as determined from the most current appraisal as of the annual statement date:

| Loan to Value | Residential | | Commercial | | Agricultural | |
|----------------------|-------------|------------|------------|------------|--------------|------------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 17.01 above 95%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.02 91 to 95%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.03 81 to 90%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.04 71 to 80%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.05 below 70%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |

18. Amounts and percentages of the reporting entity's total admitted assets held in each of the five largest investments in real estate:

18.01 Are assets held in real estate reported less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 18.01 above is yes, responses are not required for the remainder of Interrogatory 18.

Largest five investments in any one parcel or group of contiguous parcels of real estate.

| | Description | 1 | 2 | 3 |
|-------|-------------|-----------|------------|---|
| 18.02 | | \$0 |0.0 % | |
| 18.03 | | \$0 |0.0 % | |
| 18.04 | | \$0 |0.0 % | |
| 18.05 | | \$0 |0.0 % | |
| 18.06 | | \$0 |0.0 % | |

19. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments held in mezzanine real estate loans:

19.01 Are assets held in investments held in mezzanine real estate loans less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 19.01 is yes, responses are not required for the remainder of Interrogatory 19.

| | 1 | 2 | 3 |
|-------|---|-----------|------------|
| 19.02 | Aggregate statement value of investments held in mezzanine real estate loans: | \$0 |0.0 % |
| | Largest three investments held in mezzanine real estate loans: | | |
| 19.03 | ..... | \$ .....0 |0.0 % |
| 19.04 | ..... | \$ .....0 |0.0 % |
| 19.05 | ..... | \$ .....0 |0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE ALLMERICA FINANCIAL BENEFIT INSURANCE COMPANY

20. Amounts and percentages of the reporting entity's total admitted assets subject to the following types of agreements:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|---|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 20.01 Securities lending agreements (do not include assets held as collateral for such transactions) \$ | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 20.02 Repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 20.03 Reverse repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 20.04 Dollar repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 20.05 Dollar reverse repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |

21. Amounts and percentages of the reporting entity's total admitted assets for warrants not attached to other financial instruments, options, caps, and floors:

| | Owned | | | Written | |
|-------------------------------|-------|-------|------|---------|--|
| | 1 | 2 | 3 | 4 | |
| 21.01 Hedging | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.02 Income generation | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.03 Other | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |

22. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for collars, swaps, and forwards:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 22.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 22.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 22.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 22.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |

23. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for futures contracts:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 23.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 23.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 23.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |
| 23.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | 0 |

ANNUAL STATEMENT FOR THE YEAR 2022 OF THE CITIZENS INSURANCE COMPANY OF ILLINOIS

SUMMARY INVESTMENT SCHEDULE

| Investment Categories | Gross Investment Holdings | | Admitted Assets as Reported in the Annual Statement | | | |
|--|---------------------------|--|---|--|-----------------------------------|--|
| | 1 Amount | 2 Percentage of Column 1 Line 13 | 3 Amount | 4 Securities Lending Reinvested Collateral Amount | 5 Total (Col. 3 + 4) Amount | 6 Percentage of Column 5 Line 13 |
| 1. Long-Term Bonds (Schedule D, Part 1): | | | | | | |
| 1.01 U.S. governments | 6,306,925 | 81.092 | 6,306,925 | 0 | 6,306,925 | 81.092 |
| 1.02 All other governments | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.03 U.S. states, territories and possessions, etc. guaranteed | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.04 U.S. political subdivisions of states, territories, and possessions, guaranteed | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.05 U.S. special revenue and special assessment obligations, etc. non-guaranteed | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.06 Industrial and miscellaneous | 5,985 | 0.077 | 5,985 | 0 | 5,985 | 0.077 |
| 1.07 Hybrid securities | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.08 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.09 SVO identified funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.10 Unaffiliated bank loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.11 Unaffiliated certificates of deposit | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.12 Total long-term bonds | 6,312,909 | 81.169 | 6,312,909 | 0 | 6,312,909 | 81.169 |
| 2. Preferred stocks (Schedule D, Part 2, Section 1): | | | | | | |
| 2.01 Industrial and miscellaneous (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.02 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.03 Total preferred stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3. Common stocks (Schedule D, Part 2, Section 2): | | | | | | |
| 3.01 Industrial and miscellaneous Publicly traded (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.02 Industrial and miscellaneous Other (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.03 Parent, subsidiaries and affiliates Publicly traded | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.04 Parent, subsidiaries and affiliates Other | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.05 Mutual funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.06 Unit investment trusts | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.07 Closed-end funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.08 Exchange traded funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.09 Total common stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4. Mortgage loans (Schedule B): | | | | | | |
| 4.01 Farm mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.02 Residential mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.03 Commercial mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.04 Mezzanine real estate loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.05 Total valuation allowance | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.06 Total mortgage loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5. Real estate (Schedule A): | | | | | | |
| 5.01 Properties occupied by company | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.02 Properties held for production of income | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.03 Properties held for sale | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.04 Total real estate | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6. Cash, cash equivalents and short-term investments: | | | | | | |
| 6.01 Cash (Schedule E, Part 1) | 1,464,586 | 18.831 | 1,464,586 | 0 | 1,464,586 | 18.831 |
| 6.02 Cash equivalents (Schedule E, Part 2) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.03 Short-term investments (Schedule DA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.04 Total cash, cash equivalents and short-term investments | 1,464,586 | 18.831 | 1,464,586 | 0 | 1,464,586 | 18.831 |
| 7. Contract loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 8. Derivatives (Schedule DB) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 9. Other invested assets (Schedule BA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 10. Receivables for securities | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 11. Securities Lending (Schedule DL, Part 1)..... | 0 | 0.000 | 0 | XXX | XXX | XXX |
| 12. Other invested assets (Page 2, Line 11) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 13. Total invested assets | 7,777,495 | 100.000 | 7,777,495 | 0 | 7,777,495 | 100.000 |



SUPPLEMENTAL INVESTMENT RISKS INTERROGATORIES

For The Year Ended December 31, 2022
(To Be Filed by April 1)

Of The CITIZENS INSURANCE COMPANY OF ILLINOIS.....
ADDRESS (City, State and Zip Code) Worcester , MA 01653-0002
NAIC Group Code 0088 NAIC Company Code 10714 Federal Employer's Identification Number (FEIN) 36-4123481

The Investment Risks Interrogatories are to be filed by April 1. They are also to be included with the Audited Statutory Financial Statements.

Answer the following interrogatories by reporting the applicable U.S. dollar amounts and percentages of the reporting entity's total admitted assets held in that category of investments.

1. Reporting entity's total admitted assets as reported on Page 2 of this annual statement.\$7,806,359

2. Ten largest exposures to a single issuer/borrower/investment.

| | 1 Issuer | 2 Description of Exposure | 3 Amount | 4 Percentage of Total Admitted Assets |
|------|---|------------------------------|---------------|--|
| 2.01 | Advantage Capital 2015 State Tax Credit Investor LLC (00841#) | Bonds | \$5,985 | 0.1 % |
| 2.02 | | | \$0 | 0.0 % |
| 2.03 | | | \$0 | 0.0 % |
| 2.04 | | | \$0 | 0.0 % |
| 2.05 | | | \$0 | 0.0 % |
| 2.06 | | | \$0 | 0.0 % |
| 2.07 | | | \$0 | 0.0 % |
| 2.08 | | | \$0 | 0.0 % |
| 2.09 | | | \$0 | 0.0 % |
| 2.10 | | | \$0 | 0.0 % |

3. Amounts and percentages of the reporting entity's total admitted assets held in bonds and preferred stocks by NAIC designation.

| | Bonds | | Preferred Stocks | | |
|------|--------------------------------|-------------|------------------|------------------------|-------------|
| | 1 | 2 | 3 | 4 | |
| 3.01 | NAIC 1 \$6,312,909 |80.9 % | 3.07 | NAIC 1 \$0 | 0.0 % |
| 3.02 | NAIC 2 \$0 | 0.0 % | 3.08 | NAIC 2 \$0 | 0.0 % |
| 3.03 | NAIC 3 \$0 | 0.0 % | 3.09 | NAIC 3 \$0 | 0.0 % |
| 3.04 | NAIC 4 \$0 | 0.0 % | 3.10 | NAIC 4 \$0 | 0.0 % |
| 3.05 | NAIC 5 \$0 | 0.0 % | 3.11 | NAIC 5 \$0 | 0.0 % |
| 3.06 | NAIC 6 \$0 | 0.0 % | 3.12 | NAIC 6 \$0 | 0.0 % |

4. Assets held in foreign investments:

- 4.01 Are assets held in foreign investments less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []
If response to 4.01 above is yes, responses are not required for interrogatories 5 - 10.
- 4.02 Total admitted assets held in foreign investments..... \$0 0.0 %
- 4.03 Foreign-currency-denominated investments \$0 0.0 %
- 4.04 Insurance liabilities denominated in that same foreign currency \$0 0.0 %

SUPPLEMENT FOR THE YEAR 2022 OF THE CITIZENS INSURANCE COMPANY OF ILLINOIS

5. Aggregate foreign investment exposure categorized by NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| 5.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 5.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 5.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

6. Largest foreign investment exposures by country, categorized by the country's NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 6.01 Country 1: | \$0 | 0.0 % |
| 6.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 6.03 Country 1: | \$0 | 0.0 % |
| 6.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 6.05 Country 1: | \$0 | 0.0 % |
| 6.06 Country 2: | \$0 | 0.0 % |

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| 7. Aggregate unhedged foreign currency exposure | \$0 | 0.0 % |

8. Aggregate unhedged foreign currency exposure categorized by NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| 8.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 8.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 8.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

9. Largest unhedged foreign currency exposures by country, categorized by the country's NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 9.01 Country 1: | \$0 | 0.0 % |
| 9.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 9.03 Country 1: | \$0 | 0.0 % |
| 9.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 9.05 Country 1: | \$0 | 0.0 % |
| 9.06 Country 2: | \$0 | 0.0 % |

10. Ten largest non-sovereign (i.e. non-governmental) foreign issues:

| | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|-------------|----------|------------------|-----------|-------------|
| | Issuer | NAIC Designation | | |
| 10.01 | | | \$0 | 0.0 % |
| 10.02 | | | \$0 | 0.0 % |
| 10.03 | | | \$0 | 0.0 % |
| 10.04 | | | \$0 | 0.0 % |
| 10.05 | | | \$0 | 0.0 % |
| 10.06 | | | \$0 | 0.0 % |
| 10.07 | | | \$0 | 0.0 % |
| 10.08 | | | \$0 | 0.0 % |
| 10.09 | | | \$0 | 0.0 % |
| 10.10 | | | \$0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE CITIZENS INSURANCE COMPANY OF ILLINOIS

11. Amounts and percentages of the reporting entity's total admitted assets held in Canadian investments and unhedged Canadian currency exposure:

11.01 Are assets held in Canadian investments less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []
 If response to 11.01 is yes, detail is not required for the remainder of interrogatory 11.

| | 1 | 2 |
|--|-----------|-------------|
| 11.02 Total admitted assets held in Canadian investments | \$0 | 0.0 % |
| 11.03 Canadian-currency-denominated investments | \$0 | 0.0 % |
| 11.04 Canadian-denominated insurance liabilities | \$0 | 0.0 % |
| 11.05 Unhedged Canadian currency exposure | \$0 | 0.0 % |

12. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments with contractual sales restrictions:

12.01 Are assets held in investments with contractual sales restrictions less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []
 If response to 12.01 is yes, responses are not required for the remainder of Interrogatory 12.

| | 1 | 2 | 3 |
|--|-----------|---|-------------|
| 12.02 Aggregate statement value of investments with contractual sales restrictions | \$0 | | 0.0 % |
| Largest three investments with contractual sales restrictions: | | | |
| 12.03 | \$0 | | 0.0 % |
| 12.04 | \$0 | | 0.0 % |
| 12.05 | \$0 | | 0.0 % |

13. Amounts and percentages of admitted assets held in the ten largest equity interests:

13.01 Are assets held in equity interests less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []
 If response to 13.01 above is yes, responses are not required for the remainder of Interrogatory 13.

| | 1 | 2 | 3 |
|-------------|-----------|---|-------------|
| | Issuer | | |
| 13.02 | \$0 | | 0.0 % |
| 13.03 | \$0 | | 0.0 % |
| 13.04 | \$0 | | 0.0 % |
| 13.05 | \$0 | | 0.0 % |
| 13.06 | \$0 | | 0.0 % |
| 13.07 | \$0 | | 0.0 % |
| 13.08 | \$0 | | 0.0 % |
| 13.09 | \$0 | | 0.0 % |
| 13.10 | \$0 | | 0.0 % |
| 13.11 | \$0 | | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE CITIZENS INSURANCE COMPANY OF ILLINOIS

14. Amounts and percentages of the reporting entity's total admitted assets held in nonaffiliated, privately placed equities:

14.01 Are assets held in nonaffiliated, privately placed equities less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 14.01 above is yes, responses are not required for 14.02 through 14.05.

| | 1 | 2 | 3 |
|---|----------|---|-------|
| 14.02 Aggregate statement value of investments held in nonaffiliated, privately placed equities | \$ | 0 | 0.0 % |
| Largest three investments held in nonaffiliated, privately placed equities: | | | |
| 14.03 | \$ | 0 | 0.0 % |
| 14.04 | \$ | 0 | 0.0 % |
| 14.05 | \$ | 0 | 0.0 % |

Ten largest fund managers:

| | 1 | 2 | 3 | 4 |
|-------------|--------------|----------------|-------------|----------------|
| | Fund Manager | Total Invested | Diversified | Nondiversified |
| 14.06 | | \$ | 0 | \$ |
| 14.07 | | \$ | 0 | \$ |
| 14.08 | | \$ | 0 | \$ |
| 14.09 | | \$ | 0 | \$ |
| 14.10 | | \$ | 0 | \$ |
| 14.11 | | \$ | 0 | \$ |
| 14.12 | | \$ | 0 | \$ |
| 14.13 | | \$ | 0 | \$ |
| 14.14 | | \$ | 0 | \$ |
| 14.15 | | \$ | 0 | \$ |

15. Amounts and percentages of the reporting entity's total admitted assets held in general partnership interests:

15.01 Are assets held in general partnership interests less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 15.01 above is yes, responses are not required for the remainder of Interrogatory 15.

| | 1 | 2 | 3 |
|--|----------|---|-------|
| 15.02 Aggregate statement value of investments held in general partnership interests | \$ | 0 | 0.0 % |
| Largest three investments in general partnership interests: | | | |
| 15.03 | \$ | 0 | 0.0 % |
| 15.04 | \$ | 0 | 0.0 % |
| 15.05 | \$ | 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE CITIZENS INSURANCE COMPANY OF ILLINOIS

16. Amounts and percentages of the reporting entity's total admitted assets held in mortgage loans:

16.01 Are mortgage loans reported in Schedule B less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 16.01 above is yes, responses are not required for the remainder of Interrogatory 16 and Interrogatory 17.

| | 1 | 2 | 3 |
|-------|--|------|-------|
| | Type (Residential, Commercial, Agricultural) | | |
| 16.02 | | \$ 0 | 0.0 % |
| 16.03 | | \$ 0 | 0.0 % |
| 16.04 | | \$ 0 | 0.0 % |
| 16.05 | | \$ 0 | 0.0 % |
| 16.06 | | \$ 0 | 0.0 % |
| 16.07 | | \$ 0 | 0.0 % |
| 16.08 | | \$ 0 | 0.0 % |
| 16.09 | | \$ 0 | 0.0 % |
| 16.10 | | \$ 0 | 0.0 % |
| 16.11 | | \$ 0 | 0.0 % |

Amount and percentage of the reporting entity's total admitted assets held in the following categories of mortgage loans:

| | | Loans | |
|-------|--|-------|-------|
| | | | |
| 16.12 | Construction loans | \$ 0 | 0.0 % |
| 16.13 | Mortgage loans over 90 days past due | \$ 0 | 0.0 % |
| 16.14 | Mortgage loans in the process of foreclosure | \$ 0 | 0.0 % |
| 16.15 | Mortgage loans foreclosed | \$ 0 | 0.0 % |
| 16.16 | Restructured mortgage loans | \$ 0 | 0.0 % |

17. Aggregate mortgage loans having the following loan-to-value ratios as determined from the most current appraisal as of the annual statement date:

| Loan to Value | Residential | | Commercial | | Agricultural | |
|----------------------|-------------|-------|------------|-------|--------------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 17.01 above 95%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.02 91 to 95%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.03 81 to 90%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.04 71 to 80%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.05 below 70%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |

18. Amounts and percentages of the reporting entity's total admitted assets held in each of the five largest investments in real estate:

18.01 Are assets held in real estate reported less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 18.01 above is yes, responses are not required for the remainder of Interrogatory 18.

Largest five investments in any one parcel or group of contiguous parcels of real estate.

| | Description | 1 | 2 | 3 |
|-------|-------------|------|---|-------|
| 18.02 | | \$ 0 | | 0.0 % |
| 18.03 | | \$ 0 | | 0.0 % |
| 18.04 | | \$ 0 | | 0.0 % |
| 18.05 | | \$ 0 | | 0.0 % |
| 18.06 | | \$ 0 | | 0.0 % |

19. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments held in mezzanine real estate loans:

19.01 Are assets held in investments held in mezzanine real estate loans less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 19.01 is yes, responses are not required for the remainder of Interrogatory 19.

| | 1 | 2 | 3 |
|-------|---|------|-------|
| 19.02 | Aggregate statement value of investments held in mezzanine real estate loans: | \$ 0 | 0.0 % |
| 19.03 | Largest three investments held in mezzanine real estate loans: | | |
| 19.03 | | \$ 0 | 0.0 % |
| 19.04 | | \$ 0 | 0.0 % |
| 19.05 | | \$ 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE CITIZENS INSURANCE COMPANY OF ILLINOIS

20. Amounts and percentages of the reporting entity's total admitted assets subject to the following types of agreements:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | |
|---|-------------|-------|------------------|------------------------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | 3rd Quarter 5 |
| 20.01 Securities lending agreements (do not include assets held as collateral for such transactions) \$ | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 20.02 Repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 20.03 Reverse repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 20.04 Dollar repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 20.05 Dollar reverse repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |

21. Amounts and percentages of the reporting entity's total admitted assets for warrants not attached to other financial instruments, options, caps, and floors:

| | Owned | | | Written | |
|-------------------------------|-------|-------|------|---------|---|
| | 1 | 2 | 3 | 4 | 5 |
| 21.01 Hedging | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.02 Income generation | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.03 Other | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |

22. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for collars, swaps, and forwards:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | |
|-------------------------------|-------------|-------|------------------|------------------------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | 3rd Quarter 5 |
| 22.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 22.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 22.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 22.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |

23. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for futures contracts:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | |
|-------------------------------|-------------|-------|------------------|------------------------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | 3rd Quarter 5 |
| 23.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 23.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 23.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 23.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |

ANNUAL STATEMENT FOR THE YEAR 2022 OF THE VERLAN FIRE INSURANCE COMPANY

SUMMARY INVESTMENT SCHEDULE

| Investment Categories | Gross Investment Holdings | | Admitted Assets as Reported in the Annual Statement | | | |
|--|---------------------------|--|---|--|-----------------------------------|--|
| | 1 Amount | 2 Percentage of Column 1 Line 13 | 3 Amount | 4 Securities Lending Reinvested Collateral Amount | 5 Total (Col. 3 + 4) Amount | 6 Percentage of Column 5 Line 13 |
| 1. Long-Term Bonds (Schedule D, Part 1): | | | | | | |
| 1.01 U.S. governments | 6,652,257 | 25.851 | 6,652,257 | 0 | 6,652,257 | 25.851 |
| 1.02 All other governments | 152,280 | 0.592 | 152,280 | 0 | 152,280 | 0.592 |
| 1.03 U.S. states, territories and possessions, etc. guaranteed | 3,007,895 | 11.689 | 3,007,895 | 0 | 3,007,895 | 11.689 |
| 1.04 U.S. political subdivisions of states, territories, and possessions, guaranteed | 1,745,242 | 6.782 | 1,745,242 | 0 | 1,745,242 | 6.782 |
| 1.05 U.S. special revenue and special assessment obligations, etc. non-guaranteed | 6,502,327 | 25.269 | 6,502,327 | 0 | 6,502,327 | 25.269 |
| 1.06 Industrial and miscellaneous | 7,480,221 | 29.069 | 7,480,221 | 0 | 7,480,221 | 29.069 |
| 1.07 Hybrid securities | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.08 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.09 SVO identified funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.10 Unaffiliated bank loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.11 Unaffiliated certificates of deposit | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.12 Total long-term bonds | 25,540,223 | 99.252 | 25,540,223 | 0 | 25,540,223 | 99.252 |
| 2. Preferred stocks (Schedule D, Part 2, Section 1): | | | | | | |
| 2.01 Industrial and miscellaneous (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.02 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.03 Total preferred stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3. Common stocks (Schedule D, Part 2, Section 2): | | | | | | |
| 3.01 Industrial and miscellaneous Publicly traded (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.02 Industrial and miscellaneous Other (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.03 Parent, subsidiaries and affiliates Publicly traded | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.04 Parent, subsidiaries and affiliates Other | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.05 Mutual funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.06 Unit investment trusts | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.07 Closed-end funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.08 Exchange traded funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.09 Total common stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4. Mortgage loans (Schedule B): | | | | | | |
| 4.01 Farm mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.02 Residential mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.03 Commercial mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.04 Mezzanine real estate loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.05 Total valuation allowance | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.06 Total mortgage loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5. Real estate (Schedule A): | | | | | | |
| 5.01 Properties occupied by company | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.02 Properties held for production of income | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.03 Properties held for sale | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.04 Total real estate | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6. Cash, cash equivalents and short-term investments: | | | | | | |
| 6.01 Cash (Schedule E, Part 1) | 191,493 | 0.744 | 191,493 | 0 | 191,493 | 0.744 |
| 6.02 Cash equivalents (Schedule E, Part 2) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.03 Short-term investments (Schedule DA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.04 Total cash, cash equivalents and short-term investments | 191,493 | 0.744 | 191,493 | 0 | 191,493 | 0.744 |
| 7. Contract loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 8. Derivatives (Schedule DB) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 9. Other invested assets (Schedule BA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 10. Receivables for securities | 879 | 0.003 | 879 | 0 | 879 | 0.003 |
| 11. Securities Lending (Schedule DL, Part 1)..... | 0 | 0.000 | 0 | XXX | XXX | XXX |
| 12. Other invested assets (Page 2, Line 11) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 13. Total invested assets | 25,732,595 | 100.000 | 25,732,595 | 0 | 25,732,595 | 100.000 |



SUPPLEMENTAL INVESTMENT RISKS INTERROGATORIES

For The Year Ended December 31, 2022
(To Be Filed by April 1)

Of The VERLAN FIRE INSURANCE COMPANY.....
 ADDRESS (City, State and Zip Code) Worcester , MA 01653-0002
 NAIC Group Code 0088 NAIC Company Code 10815 Federal Employer's Identification Number (FEIN) 52-0903682

The Investment Risks Interrogatories are to be filed by April 1. They are also to be included with the Audited Statutory Financial Statements.

Answer the following interrogatories by reporting the applicable U.S. dollar amounts and percentages of the reporting entity's total admitted assets held in that category of investments.

1. Reporting entity's total admitted assets as reported on Page 2 of this annual statement.\$ 25,910,331

2. Ten largest exposures to a single issuer/borrower/investment.

| | 1 | 2 | 3 | 4 |
|------|--|-------------------------|------------|-------------------------------------|
| | Issuer | Description of Exposure | Amount | Percentage of Total Admitted Assets |
| 2.01 | OREGON ST | Bonds | \$ 655,274 | 2.5 % |
| 2.02 | FEDERAL HOME LOAN MORTGAGE CORP | Bonds | \$ 628,729 | 2.4 % |
| 2.03 | NEW YORK ST (649791) | Bonds | \$ 550,552 | 2.1 % |
| 2.04 | ENTERGY CORP | Bonds | \$ 546,946 | 2.1 % |
| 2.05 | SAN FRANCISCO CALIF CITY & CNTY PUB UTILS COMMN WT | Bonds | \$ 520,000 | 2.0 % |
| 2.06 | UNIVERSITY CALIF REVS (91412H) | Bonds | \$ 500,628 | 1.9 % |
| 2.07 | WISCONSIN ST (97705M) | Bonds | \$ 500,000 | 1.9 % |
| 2.08 | OHIO ST (677522) | Bonds | \$ 500,000 | 1.9 % |
| 2.09 | REGIONAL TRANSN DIST COLO SALES TAX REV (759136) | Bonds | \$ 495,002 | 1.9 % |
| 2.10 | BALTIMORE MD REV (059231) | Bonds | \$ 402,311 | 1.6 % |

3. Amounts and percentages of the reporting entity's total admitted assets held in bonds and preferred stocks by NAIC designation.

| | Bonds | 1 | 2 | Preferred Stocks | 3 | 4 |
|------|--------|---------------|--------|------------------|------|-------|
| 3.01 | NAIC 1 | \$ 22,417,609 | 86.5 % | 3.07 NAIC 1 | \$ 0 | 0.0 % |
| 3.02 | NAIC 2 | \$ 3,122,614 | 12.1 % | 3.08 NAIC 2 | \$ 0 | 0.0 % |
| 3.03 | NAIC 3 | \$ 0 | 0.0 % | 3.09 NAIC 3 | \$ 0 | 0.0 % |
| 3.04 | NAIC 4 | \$ 0 | 0.0 % | 3.10 NAIC 4 | \$ 0 | 0.0 % |
| 3.05 | NAIC 5 | \$ 0 | 0.0 % | 3.11 NAIC 5 | \$ 0 | 0.0 % |
| 3.06 | NAIC 6 | \$ 0 | 0.0 % | 3.12 NAIC 6 | \$ 0 | 0.0 % |

4. Assets held in foreign investments:

4.01 Are assets held in foreign investments less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []
 If response to 4.01 above is yes, responses are not required for interrogatories 5 - 10.

4.02 Total admitted assets held in foreign investments..... \$399,235 1.5 %

4.03 Foreign-currency-denominated investments \$0 0.0 %

4.04 Insurance liabilities denominated in that same foreign currency \$0 0.0 %

SUPPLEMENT FOR THE YEAR 2022 OF THE VERLAN FIRE INSURANCE COMPANY

5. Aggregate foreign investment exposure categorized by NAIC sovereign designation:

| | 1 | 2 |
|---|-----------|-------------|
| 5.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 5.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 5.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

6. Largest foreign investment exposures by country, categorized by the country's NAIC sovereign designation:

| | 1 | 2 |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 6.01 Country 1: | \$0 | 0.0 % |
| 6.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 6.03 Country 1: | \$0 | 0.0 % |
| 6.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 6.05 Country 1: | \$0 | 0.0 % |
| 6.06 Country 2: | \$0 | 0.0 % |

| | 1 | 2 |
|---|-----------|-------------|
| 7. Aggregate unhedged foreign currency exposure | \$0 | 0.0 % |

8. Aggregate unhedged foreign currency exposure categorized by NAIC sovereign designation:

| | 1 | 2 |
|---|-----------|-------------|
| 8.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 8.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 8.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

9. Largest unhedged foreign currency exposures by country, categorized by the country's NAIC sovereign designation:

| | 1 | 2 |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 9.01 Country 1: | \$0 | 0.0 % |
| 9.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 9.03 Country 1: | \$0 | 0.0 % |
| 9.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 9.05 Country 1: | \$0 | 0.0 % |
| 9.06 Country 2: | \$0 | 0.0 % |

10. Ten largest non-sovereign (i.e. non-governmental) foreign issues:

| | 1 Issuer | 2 NAIC Designation | 3 | 4 |
|-------------|-------------|-----------------------|-----------|-------------|
| 10.01 | | | \$0 | 0.0 % |
| 10.02 | | | \$0 | 0.0 % |
| 10.03 | | | \$0 | 0.0 % |
| 10.04 | | | \$0 | 0.0 % |
| 10.05 | | | \$0 | 0.0 % |
| 10.06 | | | \$0 | 0.0 % |
| 10.07 | | | \$0 | 0.0 % |
| 10.08 | | | \$0 | 0.0 % |
| 10.09 | | | \$0 | 0.0 % |
| 10.10 | | | \$0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE VERLAN FIRE INSURANCE COMPANY

11. Amounts and percentages of the reporting entity's total admitted assets held in Canadian investments and unhedged Canadian currency exposure:

| | | |
|---|---|-----------------------------|
| 11.01 Are assets held in Canadian investments less than 2.5% of the reporting entity's total admitted assets? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| If response to 11.01 is yes, detail is not required for the remainder of interrogatory 11. | | |
| | 1 | 2 |
| 11.02 Total admitted assets held in Canadian investments | \$ 0 | 0.0 % |
| 11.03 Canadian-currency-denominated investments | \$ 0 | 0.0 % |
| 11.04 Canadian-denominated insurance liabilities | \$ 0 | 0.0 % |
| 11.05 Unhedged Canadian currency exposure | \$ 0 | 0.0 % |

12. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments with contractual sales restrictions:

| | | |
|--|---|-----------------------------|
| 12.01 Are assets held in investments with contractual sales restrictions less than 2.5% of the reporting entity's total admitted assets? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| If response to 12.01 is yes, responses are not required for the remainder of Interrogatory 12. | | |
| | 1 | 2 |
| 12.02 Aggregate statement value of investments with contractual sales restrictions | \$ 0 | 0.0 % |
| Largest three investments with contractual sales restrictions: | | |
| 12.03 | \$ 0 | 0.0 % |
| 12.04 | \$ 0 | 0.0 % |
| 12.05 | \$ 0 | 0.0 % |

13. Amounts and percentages of admitted assets held in the ten largest equity interests:

| | | |
|---|---|-----------------------------|
| 13.01 Are assets held in equity interests less than 2.5% of the reporting entity's total admitted assets? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| If response to 13.01 above is yes, responses are not required for the remainder of Interrogatory 13. | | |
| | 1 | 2 |
| | Issuer | 3 |
| 13.02 | \$ 0 | 0.0 % |
| 13.03 | \$ 0 | 0.0 % |
| 13.04 | \$ 0 | 0.0 % |
| 13.05 | \$ 0 | 0.0 % |
| 13.06 | \$ 0 | 0.0 % |
| 13.07 | \$ 0 | 0.0 % |
| 13.08 | \$ 0 | 0.0 % |
| 13.09 | \$ 0 | 0.0 % |
| 13.10 | \$ 0 | 0.0 % |
| 13.11 | \$ 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE VERLAN FIRE INSURANCE COMPANY

14. Amounts and percentages of the reporting entity's total admitted assets held in nonaffiliated, privately placed equities:

14.01 Are assets held in nonaffiliated, privately placed equities less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 14.01 above is yes, responses are not required for 14.02 through 14.05.

| | 1 | 2 | 3 |
|---|----------|---|-------|
| 14.02 Aggregate statement value of investments held in nonaffiliated, privately placed equities | \$ | 0 | 0.0 % |
| Largest three investments held in nonaffiliated, privately placed equities: | | | |
| 14.03 | \$ | 0 | 0.0 % |
| 14.04 | \$ | 0 | 0.0 % |
| 14.05 | \$ | 0 | 0.0 % |

Ten largest fund managers:

| | 1 | 2 | 3 | 4 |
|-------------|--------------|----------------|-------------|----------------|
| | Fund Manager | Total Invested | Diversified | Nondiversified |
| 14.06 | | \$ | 0 | \$ |
| 14.07 | | \$ | 0 | \$ |
| 14.08 | | \$ | 0 | \$ |
| 14.09 | | \$ | 0 | \$ |
| 14.10 | | \$ | 0 | \$ |
| 14.11 | | \$ | 0 | \$ |
| 14.12 | | \$ | 0 | \$ |
| 14.13 | | \$ | 0 | \$ |
| 14.14 | | \$ | 0 | \$ |
| 14.15 | | \$ | 0 | \$ |

15. Amounts and percentages of the reporting entity's total admitted assets held in general partnership interests:

15.01 Are assets held in general partnership interests less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 15.01 above is yes, responses are not required for the remainder of Interrogatory 15.

| | 1 | 2 | 3 |
|--|----------|---|-------|
| 15.02 Aggregate statement value of investments held in general partnership interests | \$ | 0 | 0.0 % |
| Largest three investments in general partnership interests: | | | |
| 15.03 | \$ | 0 | 0.0 % |
| 15.04 | \$ | 0 | 0.0 % |
| 15.05 | \$ | 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE VERLAN FIRE INSURANCE COMPANY

16. Amounts and percentages of the reporting entity's total admitted assets held in mortgage loans:

16.01 Are mortgage loans reported in Schedule B less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 16.01 above is yes, responses are not required for the remainder of Interrogatory 16 and Interrogatory 17.

| | 1 | 2 | 3 |
|-------|--|-----------|------------|
| | Type (Residential, Commercial, Agricultural) | | |
| 16.02 | | \$0 |0.0 % |
| 16.03 | | \$0 |0.0 % |
| 16.04 | | \$0 |0.0 % |
| 16.05 | | \$0 |0.0 % |
| 16.06 | | \$0 |0.0 % |
| 16.07 | | \$0 |0.0 % |
| 16.08 | | \$0 |0.0 % |
| 16.09 | | \$0 |0.0 % |
| 16.10 | | \$0 |0.0 % |
| 16.11 | | \$0 |0.0 % |

Amount and percentage of the reporting entity's total admitted assets held in the following categories of mortgage loans:

| | | Loans |
|-------|--|----------------------|
| | | |
| 16.12 | Construction loans | \$0 .....0.0 % |
| 16.13 | Mortgage loans over 90 days past due | \$0 .....0.0 % |
| 16.14 | Mortgage loans in the process of foreclosure | \$0 .....0.0 % |
| 16.15 | Mortgage loans foreclosed | \$0 .....0.0 % |
| 16.16 | Restructured mortgage loans | \$0 .....0.0 % |

17. Aggregate mortgage loans having the following loan-to-value ratios as determined from the most current appraisal as of the annual statement date:

| Loan to Value | Residential | | Commercial | | Agricultural | |
|----------------------|-------------|------------|------------|------------|--------------|------------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 17.01 above 95%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.02 91 to 95%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.03 81 to 90%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.04 71 to 80%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.05 below 70%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |

18. Amounts and percentages of the reporting entity's total admitted assets held in each of the five largest investments in real estate:

18.01 Are assets held in real estate reported less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 18.01 above is yes, responses are not required for the remainder of Interrogatory 18.

Largest five investments in any one parcel or group of contiguous parcels of real estate.

| | Description | 1 | 2 | 3 |
|-------|-------------|-----------|------------|---|
| 18.02 | | \$0 |0.0 % | |
| 18.03 | | \$0 |0.0 % | |
| 18.04 | | \$0 |0.0 % | |
| 18.05 | | \$0 |0.0 % | |
| 18.06 | | \$0 |0.0 % | |

19. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments held in mezzanine real estate loans:

19.01 Are assets held in investments held in mezzanine real estate loans less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 19.01 is yes, responses are not required for the remainder of Interrogatory 19.

| | 1 | 2 | 3 |
|-------|---|-----------|------------|
| 19.02 | Aggregate statement value of investments held in mezzanine real estate loans: | \$0 |0.0 % |
| | Largest three investments held in mezzanine real estate loans: | | |
| 19.03 | ..... | \$ .....0 |0.0 % |
| 19.04 | ..... | \$ .....0 |0.0 % |
| 19.05 | ..... | \$ .....0 |0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE VERLAN FIRE INSURANCE COMPANY

20. Amounts and percentages of the reporting entity's total admitted assets subject to the following types of agreements:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|---|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 20.01 Securities lending agreements (do not include assets held as collateral for such transactions) \$ | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.02 Repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.03 Reverse repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.04 Dollar repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.05 Dollar reverse repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

21. Amounts and percentages of the reporting entity's total admitted assets for warrants not attached to other financial instruments, options, caps, and floors:

| | Owned | | | Written | |
|-------------------------------|-------|-------|------|---------|--|
| | 1 | 2 | 3 | 4 | |
| 21.01 Hedging | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.02 Income generation | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.03 Other | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |

22. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for collars, swaps, and forwards:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 22.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

23. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for futures contracts:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 23.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

ANNUAL STATEMENT FOR THE YEAR 2022 OF THE HANOVER NATIONAL INSURANCE COMPANY

SUMMARY INVESTMENT SCHEDULE

| Investment Categories | Gross Investment Holdings | | Admitted Assets as Reported in the Annual Statement | | | |
|--|---------------------------|--|---|--|-----------------------------------|--|
| | 1 Amount | 2 Percentage of Column 1 Line 13 | 3 Amount | 4 Securities Lending Reinvested Collateral Amount | 5 Total (Col. 3 + 4) Amount | 6 Percentage of Column 5 Line 13 |
| 1. Long-Term Bonds (Schedule D, Part 1): | | | | | | |
| 1.01 U.S. governments | 2,922,815 | 24.148 | 2,922,815 | 0 | 2,922,815 | 24.148 |
| 1.02 All other governments | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.03 U.S. states, territories and possessions, etc. guaranteed | 1,065,982 | 8.807 | 1,065,982 | 0 | 1,065,982 | 8.807 |
| 1.04 U.S. political subdivisions of states, territories, and possessions, guaranteed | 758,299 | 6.265 | 758,299 | 0 | 758,299 | 6.265 |
| 1.05 U.S. special revenue and special assessment obligations, etc. non-guaranteed | 3,118,419 | 25.764 | 3,118,419 | 0 | 3,118,419 | 25.764 |
| 1.06 Industrial and miscellaneous | 3,805,804 | 31.444 | 3,805,804 | 0 | 3,805,804 | 31.444 |
| 1.07 Hybrid securities | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.08 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.09 SVO identified funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.10 Unaffiliated bank loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.11 Unaffiliated certificates of deposit | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.12 Total long-term bonds | 11,671,319 | 96.428 | 11,671,319 | 0 | 11,671,319 | 96.428 |
| 2. Preferred stocks (Schedule D, Part 2, Section 1): | | | | | | |
| 2.01 Industrial and miscellaneous (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.02 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.03 Total preferred stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3. Common stocks (Schedule D, Part 2, Section 2): | | | | | | |
| 3.01 Industrial and miscellaneous Publicly traded (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.02 Industrial and miscellaneous Other (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.03 Parent, subsidiaries and affiliates Publicly traded | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.04 Parent, subsidiaries and affiliates Other | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.05 Mutual funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.06 Unit investment trusts | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.07 Closed-end funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.08 Exchange traded funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.09 Total common stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4. Mortgage loans (Schedule B): | | | | | | |
| 4.01 Farm mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.02 Residential mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.03 Commercial mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.04 Mezzanine real estate loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.05 Total valuation allowance | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.06 Total mortgage loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5. Real estate (Schedule A): | | | | | | |
| 5.01 Properties occupied by company | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.02 Properties held for production of income | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.03 Properties held for sale | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.04 Total real estate | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6. Cash, cash equivalents and short-term investments: | | | | | | |
| 6.01 Cash (Schedule E, Part 1) | 432,294 | 3.572 | 432,294 | 0 | 432,294 | 3.572 |
| 6.02 Cash equivalents (Schedule E, Part 2) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.03 Short-term investments (Schedule DA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.04 Total cash, cash equivalents and short-term investments | 432,294 | 3.572 | 432,294 | 0 | 432,294 | 3.572 |
| 7. Contract loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 8. Derivatives (Schedule DB) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 9. Other invested assets (Schedule BA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 10. Receivables for securities | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 11. Securities Lending (Schedule DL, Part 1)..... | 0 | 0.000 | 0 | XXX | XXX | XXX |
| 12. Other invested assets (Page 2, Line 11) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 13. Total invested assets | 12,103,613 | 100.000 | 12,103,613 | 0 | 12,103,613 | 100.000 |



SUPPLEMENTAL INVESTMENT RISKS INTERROGATORIES

For The Year Ended December 31, 2022
(To Be Filed by April 1)

Of The HANOVER NATIONAL INSURANCE COMPANY.....
 ADDRESS (City, State and Zip Code) Worcester , MA 01653-0002
 NAIC Group Code 0088 NAIC Company Code 13147 Federal Employer's Identification Number (FEIN) 74-3242673

The Investment Risks Interrogatories are to be filed by April 1. They are also to be included with the Audited Statutory Financial Statements.

Answer the following interrogatories by reporting the applicable U.S. dollar amounts and percentages of the reporting entity's total admitted assets held in that category of investments.

1. Reporting entity's total admitted assets as reported on Page 2 of this annual statement.\$ 12,176,888

2. Ten largest exposures to a single issuer/borrower/investment.

| | 1 | 2 | 3 | 4 |
|------|---|-------------------------|------------|-------------------------------------|
| | Issuer | Description of Exposure | Amount | Percentage of Total Admitted Assets |
| 2.01 | FEDERAL HOME LOAN MORTGAGE CORP | Bonds | \$ 339,332 | 2.8 % |
| 2.02 | UNIVERSITY NEB FACS CORP REV (914639) | Bonds | \$ 300,000 | 2.5 % |
| 2.03 | REGIONAL TRANSN DIST COLO SALES TAX REV (759136) | Bonds | \$ 295,186 | 2.4 % |
| 2.04 | OHIO ST (677522) | Bonds | \$ 250,000 | 2.1 % |
| 2.05 | SAN FRANCISCO CALIF CITY & CNTY PUB UTILS COMMN WT (79771F) | Bonds | \$ 250,000 | 2.1 % |
| 2.06 | DELAWARE ST (246380) | Bonds | \$ 249,912 | 2.1 % |
| 2.07 | MASTERCARD INC (57636Q) | Bonds | \$ 249,723 | 2.1 % |
| 2.08 | ENERGY LOUISIANA LLC | Bonds | \$ 247,410 | 2.0 % |
| 2.09 | PENNSYLVANIA ST UNIV (709235) | Bonds | \$ 200,000 | 1.6 % |
| 2.10 | WISCONSIN ST (97705M) | Bonds | \$ 200,000 | 1.6 % |

3. Amounts and percentages of the reporting entity's total admitted assets held in bonds and preferred stocks by NAIC designation.

| | Bonds | 1 | 2 | Preferred Stocks | 3 | 4 |
|------|--------|--------------|--------|------------------|--------|----------|
| 3.01 | NAIC 1 | \$ 9,846,141 | 80.9 % | 3.07 | NAIC 1 | \$ 0.0 % |
| 3.02 | NAIC 2 | \$ 1,825,178 | 15.0 % | 3.08 | NAIC 2 | \$ 0.0 % |
| 3.03 | NAIC 3 | \$ 0 | 0.0 % | 3.09 | NAIC 3 | \$ 0.0 % |
| 3.04 | NAIC 4 | \$ 0 | 0.0 % | 3.10 | NAIC 4 | \$ 0.0 % |
| 3.05 | NAIC 5 | \$ 0 | 0.0 % | 3.11 | NAIC 5 | \$ 0.0 % |
| 3.06 | NAIC 6 | \$ 0 | 0.0 % | 3.12 | NAIC 6 | \$ 0.0 % |

4. Assets held in foreign investments:

| | | |
|--|--|------------------|
| 4.01 | Are assets held in foreign investments less than 2.5% of the reporting entity's total admitted assets? | Yes [] No [X] |
| If response to 4.01 above is yes, responses are not required for interrogatories 5 - 10. | | |
| 4.02 | Total admitted assets held in foreign investments | \$ 349,575 2.9 % |
| 4.03 | Foreign-currency-denominated investments | \$ 0 0.0 % |
| 4.04 | Insurance liabilities denominated in that same foreign currency | \$ 0 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER NATIONAL INSURANCE COMPANY

| | | | | |
|---|--|------------------|-----------|----------|
| 5. Aggregate foreign investment exposure categorized by NAIC sovereign designation: | | | | |
| | | <u>1</u> | <u>2</u> | |
| 5.01 | Countries designated NAIC-1 | \$ 349,575 | | 2.9 % |
| 5.02 | Countries designated NAIC-2 | \$ 0 | | 0.0 % |
| 5.03 | Countries designated NAIC-3 or below | \$ 0 | | 0.0 % |
| 6. Largest foreign investment exposures by country, categorized by the country's NAIC sovereign designation: | | | | |
| | | <u>1</u> | <u>2</u> | |
| Countries designated NAIC - 1: | | | | |
| 6.01 | Country 1: Ireland | \$ 99,872 | | 0.8 % |
| 6.02 | Country 2: Australia | \$ 99,858 | | 0.8 % |
| Countries designated NAIC - 2: | | | | |
| 6.03 | Country 1: | \$ 0 | | 0.0 % |
| 6.04 | Country 2: | \$ 0 | | 0.0 % |
| Countries designated NAIC - 3 or below: | | | | |
| 6.05 | Country 1: | \$ 0 | | 0.0 % |
| 6.06 | Country 2: | \$ 0 | | 0.0 % |
| 7. Aggregate unhedged foreign currency exposure | | | | |
| | | <u>1</u> | <u>2</u> | |
| 7. | Aggregate unhedged foreign currency exposure | \$ 0 | | 0.0 % |
| 8. Aggregate unhedged foreign currency exposure categorized by NAIC sovereign designation: | | | | |
| | | <u>1</u> | <u>2</u> | |
| 8.01 | Countries designated NAIC-1 | \$ 0 | | 0.0 % |
| 8.02 | Countries designated NAIC-2 | \$ 0 | | 0.0 % |
| 8.03 | Countries designated NAIC-3 or below | \$ 0 | | 0.0 % |
| 9. Largest unhedged foreign currency exposures by country, categorized by the country's NAIC sovereign designation: | | | | |
| | | <u>1</u> | <u>2</u> | |
| Countries designated NAIC - 1: | | | | |
| 9.01 | Country 1: | \$ 0 | | 0.0 % |
| 9.02 | Country 2: | \$ 0 | | 0.0 % |
| Countries designated NAIC - 2: | | | | |
| 9.03 | Country 1: | \$ 0 | | 0.0 % |
| 9.04 | Country 2: | \$ 0 | | 0.0 % |
| Countries designated NAIC - 3 or below: | | | | |
| 9.05 | Country 1: | \$ 0 | | 0.0 % |
| 9.06 | Country 2: | \$ 0 | | 0.0 % |
| 10. Ten largest non-sovereign (i.e. non-governmental) foreign issues: | | | | |
| | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
| | Issuer | NAIC Designation | | |
| 10.01 | AON PLC (00185A) | 2 | \$ 99,872 | 0.8 % |
| 10.02 | WESTPAC BANKING CORP (961214) | 1 | \$ 99,858 | 0.8 % |
| 10.03 | YARA INTERNATIONAL ASA (984851) | 2 | \$ 99,846 | 0.8 % |
| 10.04 | MITSUBISHI UFJ FINANCIAL GROUP INC (606822) | 1 | \$ 50,000 | 0.4 % |
| 10.05 | ..... |  | \$ 0 | 0.0 % |
| 10.06 | ..... |  | \$ 0 | 0.0 % |
| 10.07 | ..... |  | \$ 0 | 0.0 % |
| 10.08 | ..... |  | \$ 0 | 0.0 % |
| 10.09 | ..... |  | \$ 0 | 0.0 % |
| 10.10 | ..... |  | \$ 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER NATIONAL INSURANCE COMPANY

11. Amounts and percentages of the reporting entity's total admitted assets held in Canadian investments and unhedged Canadian currency exposure:

11.01 Are assets held in Canadian investments less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []
 If response to 11.01 is yes, detail is not required for the remainder of interrogatory 11.

| | 1 | 2 |
|--|-----------|-------------|
| 11.02 Total admitted assets held in Canadian investments | \$0 | 0.0 % |
| 11.03 Canadian-currency-denominated investments | \$0 | 0.0 % |
| 11.04 Canadian-denominated insurance liabilities | \$0 | 0.0 % |
| 11.05 Unhedged Canadian currency exposure | \$0 | 0.0 % |

12. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments with contractual sales restrictions:

12.01 Are assets held in investments with contractual sales restrictions less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []
 If response to 12.01 is yes, responses are not required for the remainder of Interrogatory 12.

| | 2 | 3 |
|--|-----------|-------------|
| 12.02 Aggregate statement value of investments with contractual sales restrictions | \$0 | 0.0 % |
| Largest three investments with contractual sales restrictions: | | |
| 12.03 | \$0 | 0.0 % |
| 12.04 | \$0 | 0.0 % |
| 12.05 | \$0 | 0.0 % |

13. Amounts and percentages of admitted assets held in the ten largest equity interests:

13.01 Are assets held in equity interests less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []
 If response to 13.01 above is yes, responses are not required for the remainder of Interrogatory 13.

| | 2 | 3 |
|-------------|-----------|-------------|
| 13.02 | \$0 | 0.0 % |
| 13.03 | \$0 | 0.0 % |
| 13.04 | \$0 | 0.0 % |
| 13.05 | \$0 | 0.0 % |
| 13.06 | \$0 | 0.0 % |
| 13.07 | \$0 | 0.0 % |
| 13.08 | \$0 | 0.0 % |
| 13.09 | \$0 | 0.0 % |
| 13.10 | \$0 | 0.0 % |
| 13.11 | \$0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER NATIONAL INSURANCE COMPANY

14. Amounts and percentages of the reporting entity's total admitted assets held in nonaffiliated, privately placed equities:

14.01 Are assets held in nonaffiliated, privately placed equities less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 14.01 above is yes, responses are not required for 14.02 through 14.05.

| | <u>1</u> | <u>2</u> | <u>3</u> |
|---|----------|----------|----------|
| 14.02 Aggregate statement value of investments held in nonaffiliated, privately placed equities | \$ | 0 | 0.0 % |
| Largest three investments held in nonaffiliated, privately placed equities: | | | |
| 14.03 | \$ | 0 | 0.0 % |
| 14.04 | \$ | 0 | 0.0 % |
| 14.05 | \$ | 0 | 0.0 % |

Ten largest fund managers:

| | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|-------------|---------------------|-----------------------|--------------------|-----------------------|
| | <u>Fund Manager</u> | <u>Total Invested</u> | <u>Diversified</u> | <u>Nondiversified</u> |
| 14.06 | | \$ | \$ | \$ |
| 14.07 | | \$ | \$ | \$ |
| 14.08 | | \$ | \$ | \$ |
| 14.09 | | \$ | \$ | \$ |
| 14.10 | | \$ | \$ | \$ |
| 14.11 | | \$ | \$ | \$ |
| 14.12 | | \$ | \$ | \$ |
| 14.13 | | \$ | \$ | \$ |
| 14.14 | | \$ | \$ | \$ |
| 14.15 | | \$ | \$ | \$ |

15. Amounts and percentages of the reporting entity's total admitted assets held in general partnership interests:

15.01 Are assets held in general partnership interests less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 15.01 above is yes, responses are not required for the remainder of Interrogatory 15.

| | <u>1</u> | <u>2</u> | <u>3</u> |
|--|----------|----------|----------|
| 15.02 Aggregate statement value of investments held in general partnership interests | \$ | 0 | 0.0 % |
| Largest three investments in general partnership interests: | | | |
| 15.03 | \$ | 0 | 0.0 % |
| 15.04 | \$ | 0 | 0.0 % |
| 15.05 | \$ | 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER NATIONAL INSURANCE COMPANY

16. Amounts and percentages of the reporting entity's total admitted assets held in mortgage loans:

16.01 Are mortgage loans reported in Schedule B less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 16.01 above is yes, responses are not required for the remainder of Interrogatory 16 and Interrogatory 17.

| | 1 | 2 | 3 |
|-------|--|-----------|------------|
| | Type (Residential, Commercial, Agricultural) | | |
| 16.02 | | \$0 |0.0 % |
| 16.03 | | \$0 |0.0 % |
| 16.04 | | \$0 |0.0 % |
| 16.05 | | \$0 |0.0 % |
| 16.06 | | \$0 |0.0 % |
| 16.07 | | \$0 |0.0 % |
| 16.08 | | \$0 |0.0 % |
| 16.09 | | \$0 |0.0 % |
| 16.10 | | \$0 |0.0 % |
| 16.11 | | \$0 |0.0 % |

Amount and percentage of the reporting entity's total admitted assets held in the following categories of mortgage loans:

| | | Loans | |
|-------|--|-----------|------------|
| | | | |
| 16.12 | Construction loans | \$0 |0.0 % |
| 16.13 | Mortgage loans over 90 days past due | \$0 |0.0 % |
| 16.14 | Mortgage loans in the process of foreclosure | \$0 |0.0 % |
| 16.15 | Mortgage loans foreclosed | \$0 |0.0 % |
| 16.16 | Restructured mortgage loans | \$0 |0.0 % |

17. Aggregate mortgage loans having the following loan-to-value ratios as determined from the most current appraisal as of the annual statement date:

| Loan to Value | Residential | | Commercial | | Agricultural | |
|----------------------|-------------|------------|------------|------------|--------------|------------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 17.01 above 95%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.02 91 to 95%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.03 81 to 90%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.04 71 to 80%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.05 below 70%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |

18. Amounts and percentages of the reporting entity's total admitted assets held in each of the five largest investments in real estate:

18.01 Are assets held in real estate reported less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 18.01 above is yes, responses are not required for the remainder of Interrogatory 18.

Largest five investments in any one parcel or group of contiguous parcels of real estate.

| | Description | 1 | 2 | 3 |
|-------|-------------|-----------|------------|---|
| 18.02 | | \$0 |0.0 % | |
| 18.03 | | \$0 |0.0 % | |
| 18.04 | | \$0 |0.0 % | |
| 18.05 | | \$0 |0.0 % | |
| 18.06 | | \$0 |0.0 % | |

19. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments held in mezzanine real estate loans:

19.01 Are assets held in investments held in mezzanine real estate loans less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 19.01 is yes, responses are not required for the remainder of Interrogatory 19.

| | 1 | 2 | 3 |
|-------|---|-----------|------------|
| 19.02 | Aggregate statement value of investments held in mezzanine real estate loans: | \$0 |0.0 % |
| | Largest three investments held in mezzanine real estate loans: | | |
| 19.03 | ..... | \$ .....0 |0.0 % |
| 19.04 | ..... | \$ .....0 |0.0 % |
| 19.05 | ..... | \$ .....0 |0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE HANOVER NATIONAL INSURANCE COMPANY

20. Amounts and percentages of the reporting entity's total admitted assets subject to the following types of agreements:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|---|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 20.01 Securities lending agreements (do not include assets held as collateral for such transactions) \$ | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.02 Repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.03 Reverse repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.04 Dollar repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.05 Dollar reverse repurchase agreements | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

21. Amounts and percentages of the reporting entity's total admitted assets for warrants not attached to other financial instruments, options, caps, and floors:

| | Owned | | | Written | |
|-------------------------------|-------|-------|------|---------|---|
| | 1 | 2 | 3 | 4 | 5 |
| 21.01 Hedging | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.02 Income generation | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.03 Other | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |

22. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for collars, swaps, and forwards:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 22.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

23. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for futures contracts:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 23.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

ANNUAL STATEMENT FOR THE YEAR 2022 OF THE NOVA CASUALTY COMPANY

SUMMARY INVESTMENT SCHEDULE

| Investment Categories | Gross Investment Holdings | | Admitted Assets as Reported in the Annual Statement | | | |
|--|---------------------------|--|---|--|-----------------------------------|--|
| | 1 Amount | 2 Percentage of Column 1 Line 13 | 3 Amount | 4 Securities Lending Reinvested Collateral Amount | 5 Total (Col. 3 + 4) Amount | 6 Percentage of Column 5 Line 13 |
| 1. Long-Term Bonds (Schedule D, Part 1): | | | | | | |
| 1.01 U.S. governments | 16,807,331 | 16.754 | 16,807,331 | 0 | 16,807,331 | 16.769 |
| 1.02 All other governments | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.03 U.S. states, territories and possessions, etc. guaranteed | 4,986,969 | 4.971 | 4,986,969 | 0 | 4,986,969 | 4.976 |
| 1.04 U.S. political subdivisions of states, territories, and possessions, guaranteed | 2,694,427 | 2.686 | 2,694,427 | 0 | 2,694,427 | 2.688 |
| 1.05 U.S. special revenue and special assessment obligations, etc. non-guaranteed | 7,104,623 | 7.082 | 7,104,623 | 0 | 7,104,623 | 7.088 |
| 1.06 Industrial and miscellaneous | 10,613,098 | 10.579 | 10,613,098 | 0 | 10,613,098 | 10.589 |
| 1.07 Hybrid securities | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.08 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.09 SVO identified funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.10 Unaffiliated bank loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.11 Unaffiliated certificates of deposit | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.12 Total long-term bonds | 42,206,448 | 42.072 | 42,206,448 | 0 | 42,206,448 | 42.110 |
| 2. Preferred stocks (Schedule D, Part 2, Section 1): | | | | | | |
| 2.01 Industrial and miscellaneous (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.02 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.03 Total preferred stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3. Common stocks (Schedule D, Part 2, Section 2): | | | | | | |
| 3.01 Industrial and miscellaneous Publicly traded (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.02 Industrial and miscellaneous Other (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.03 Parent, subsidiaries and affiliates Publicly traded | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.04 Parent, subsidiaries and affiliates Other | 53,103,504 | 52.934 | 53,103,504 | 0 | 53,103,504 | 52.982 |
| 3.05 Mutual funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.06 Unit investment trusts | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.07 Closed-end funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.08 Exchange traded funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.09 Total common stocks | 53,103,504 | 52.934 | 53,103,504 | 0 | 53,103,504 | 52.982 |
| 4. Mortgage loans (Schedule B): | | | | | | |
| 4.01 Farm mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.02 Residential mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.03 Commercial mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.04 Mezzanine real estate loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.05 Total valuation allowance | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.06 Total mortgage loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5. Real estate (Schedule A): | | | | | | |
| 5.01 Properties occupied by company | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.02 Properties held for production of income | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.03 Properties held for sale | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.04 Total real estate | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6. Cash, cash equivalents and short-term investments: | | | | | | |
| 6.01 Cash (Schedule E, Part 1) | 4,523,470 | 4.509 | 4,523,470 | 0 | 4,523,470 | 4.513 |
| 6.02 Cash equivalents (Schedule E, Part 2) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.03 Short-term investments (Schedule DA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.04 Total cash, cash equivalents and short-term investments | 4,523,470 | 4.509 | 4,523,470 | 0 | 4,523,470 | 4.513 |
| 7. Contract loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 8. Derivatives (Schedule DB) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 9. Other invested assets (Schedule BA) | 91,319 | 0.091 | 0 | 0 | 0 | 0.000 |
| 10. Receivables for securities | 394,972 | 0.394 | 394,972 | 0 | 394,972 | 0.394 |
| 11. Securities Lending (Schedule DL, Part 1)..... | 0 | 0.000 | 0 | XXX | XXX | XXX |
| 12. Other invested assets (Page 2, Line 11) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 13. Total invested assets | 100,319,713 | 100.000 | 100,228,395 | 0 | 100,228,395 | 100.000 |



SUPPLEMENTAL INVESTMENT RISKS INTERROGATORIES

For The Year Ended December 31, 2022
(To Be Filed by April 1)

Of The NOVA CASUALTY COMPANY.....
ADDRESS (City, State and Zip Code) Worcester , MA 01653-0002
NAIC Group Code 0088 NAIC Company Code 42552 Federal Employer's Identification Number (FEIN) 16-1140177

The Investment Risks Interrogatories are to be filed by April 1. They are also to be included with the Audited Statutory Financial Statements.

Answer the following interrogatories by reporting the applicable U.S. dollar amounts and percentages of the reporting entity's total admitted assets held in that category of investments.

1. Reporting entity's total admitted assets as reported on Page 2 of this annual statement.\$ 101,408,519

2. Ten largest exposures to a single issuer/borrower/investment.

| | 1 | 2 | 3 | 4 |
|------|--|-------------------------|---------------|-------------------------------------|
| | Issuer | Description of Exposure | Amount | Percentage of Total Admitted Assets |
| 2.01 | AIX Specialty Insurance Company (00147@) | Subsidiary Stock | \$ 53,103,504 | 52.4 % |
| 2.02 | WISCONSIN ST (97705M) | Bonds | \$ 1,250,000 | 1.2 % |
| 2.03 | LOS ANGELES CALIF CMNTY COLLEGE DIST (54438C) | Bonds | \$ 760,058 | 0.7 % |
| 2.04 | NEW YORK ST (649791) | Bonds | \$ 700,678 | 0.7 % |
| 2.05 | OREGON (68609T) | Bonds | \$ 650,000 | 0.6 % |
| 2.06 | MISSISSIPPI ST (605581) | Bonds | \$ 500,000 | 0.5 % |
| 2.07 | DISTRICT COLUMBIA WTR & SWR AUTH PUB UTIL REV (254845) | Bonds | \$ 500,000 | 0.5 % |
| 2.08 | TEXAS ST | Bonds | \$ 457,423 | 0.5 % |
| 2.09 | WALMART INC (931142) | Bonds | \$ 444,338 | 0.4 % |
| 2.10 | CALIFORNIA ST UNIV REV (13077D) | Bonds | \$ 400,609 | 0.4 % |

3. Amounts and percentages of the reporting entity's total admitted assets held in bonds and preferred stocks by NAIC designation.

| | Bonds | 1 | 2 | Preferred Stocks | 3 | 4 |
|------|--------|---------------|--------|------------------|--------|------------|
| 3.01 | NAIC 1 | \$ 37,968,628 | 37.4 % | 3.07 | NAIC 1 | \$ 0 0.0 % |
| 3.02 | NAIC 2 | \$ 4,237,820 | 4.2 % | 3.08 | NAIC 2 | \$ 0 0.0 % |
| 3.03 | NAIC 3 | \$ 0 | 0.0 % | 3.09 | NAIC 3 | \$ 0 0.0 % |
| 3.04 | NAIC 4 | \$ 0 | 0.0 % | 3.10 | NAIC 4 | \$ 0 0.0 % |
| 3.05 | NAIC 5 | \$ 0 | 0.0 % | 3.11 | NAIC 5 | \$ 0 0.0 % |
| 3.06 | NAIC 6 | \$ 0 | 0.0 % | 3.12 | NAIC 6 | \$ 0 0.0 % |

4. Assets held in foreign investments:

4.01 Are assets held in foreign investments less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []
If response to 4.01 above is yes, responses are not required for interrogatories 5 - 10.

4.02 Total admitted assets held in foreign investments..... \$ 752,888 0.7 %

4.03 Foreign-currency-denominated investments \$ 0 0.0 %

4.04 Insurance liabilities denominated in that same foreign currency \$ 0 0.0 %

SUPPLEMENT FOR THE YEAR 2022 OF THE NOVA CASUALTY COMPANY

5. Aggregate foreign investment exposure categorized by NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| 5.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 5.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 5.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

6. Largest foreign investment exposures by country, categorized by the country's NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 6.01 Country 1: | \$0 | 0.0 % |
| 6.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 6.03 Country 1: | \$0 | 0.0 % |
| 6.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 6.05 Country 1: | \$0 | 0.0 % |
| 6.06 Country 2: | \$0 | 0.0 % |

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| 7. Aggregate unhedged foreign currency exposure | \$0 | 0.0 % |

8. Aggregate unhedged foreign currency exposure categorized by NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| 8.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 8.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 8.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

9. Largest unhedged foreign currency exposures by country, categorized by the country's NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 9.01 Country 1: | \$0 | 0.0 % |
| 9.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 9.03 Country 1: | \$0 | 0.0 % |
| 9.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 9.05 Country 1: | \$0 | 0.0 % |
| 9.06 Country 2: | \$0 | 0.0 % |

10. Ten largest non-sovereign (i.e. non-governmental) foreign issues:

| | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|-------------|----------|------------------|-----------|-------------|
| | Issuer | NAIC Designation | | |
| 10.01 | | | \$0 | 0.0 % |
| 10.02 | | | \$0 | 0.0 % |
| 10.03 | | | \$0 | 0.0 % |
| 10.04 | | | \$0 | 0.0 % |
| 10.05 | | | \$0 | 0.0 % |
| 10.06 | | | \$0 | 0.0 % |
| 10.07 | | | \$0 | 0.0 % |
| 10.08 | | | \$0 | 0.0 % |
| 10.09 | | | \$0 | 0.0 % |
| 10.10 | | | \$0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE NOVA CASUALTY COMPANY

11. Amounts and percentages of the reporting entity's total admitted assets held in Canadian investments and unhedged Canadian currency exposure:

11.01 Are assets held in Canadian investments less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []
 If response to 11.01 is yes, detail is not required for the remainder of interrogatory 11.

| | 1 | 2 |
|--|-----------|-------------|
| 11.02 Total admitted assets held in Canadian investments | \$0 | 0.0 % |
| 11.03 Canadian-currency-denominated investments | \$0 | 0.0 % |
| 11.04 Canadian-denominated insurance liabilities | \$0 | 0.0 % |
| 11.05 Unhedged Canadian currency exposure | \$0 | 0.0 % |

12. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments with contractual sales restrictions:

12.01 Are assets held in investments with contractual sales restrictions less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []
 If response to 12.01 is yes, responses are not required for the remainder of Interrogatory 12.

| | 2 | 3 |
|--|-----------|-------------|
| 12.02 Aggregate statement value of investments with contractual sales restrictions | \$0 | 0.0 % |
| Largest three investments with contractual sales restrictions: | | |
| 12.03 | \$0 | 0.0 % |
| 12.04 | \$0 | 0.0 % |
| 12.05 | \$0 | 0.0 % |

13. Amounts and percentages of admitted assets held in the ten largest equity interests:

13.01 Are assets held in equity interests less than 2.5% of the reporting entity's total admitted assets? Yes [] No [X]
 If response to 13.01 above is yes, responses are not required for the remainder of Interrogatory 13.

| | 2 | 3 |
|--|---------------------|--------------|
| 13.02 AIX Specialty Insurance Company (00147@) | \$ 53,103,504 | 52.4 % |
| 13.03 | \$0 | 0.0 % |
| 13.04 | \$0 | 0.0 % |
| 13.05 | \$0 | 0.0 % |
| 13.06 | \$0 | 0.0 % |
| 13.07 | \$0 | 0.0 % |
| 13.08 | \$0 | 0.0 % |
| 13.09 | \$0 | 0.0 % |
| 13.10 | \$0 | 0.0 % |
| 13.11 | \$0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE NOVA CASUALTY COMPANY

14. Amounts and percentages of the reporting entity's total admitted assets held in nonaffiliated, privately placed equities:

14.01 Are assets held in nonaffiliated, privately placed equities less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 14.01 above is yes, responses are not required for 14.02 through 14.05.

| | 1 | 2 | 3 |
|---|----------|---|-------|
| 14.02 Aggregate statement value of investments held in nonaffiliated, privately placed equities | \$ | 0 | 0.0 % |
| Largest three investments held in nonaffiliated, privately placed equities: | | | |
| 14.03 | \$ | 0 | 0.0 % |
| 14.04 | \$ | 0 | 0.0 % |
| 14.05 | \$ | 0 | 0.0 % |

Ten largest fund managers:

| | 1 | 2 | 3 | 4 |
|-------------|--------------|----------------|-------------|----------------|
| | Fund Manager | Total Invested | Diversified | Nondiversified |
| 14.06 | | \$ | \$ | \$ |
| 14.07 | | \$ | \$ | \$ |
| 14.08 | | \$ | \$ | \$ |
| 14.09 | | \$ | \$ | \$ |
| 14.10 | | \$ | \$ | \$ |
| 14.11 | | \$ | \$ | \$ |
| 14.12 | | \$ | \$ | \$ |
| 14.13 | | \$ | \$ | \$ |
| 14.14 | | \$ | \$ | \$ |
| 14.15 | | \$ | \$ | \$ |

15. Amounts and percentages of the reporting entity's total admitted assets held in general partnership interests:

15.01 Are assets held in general partnership interests less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 15.01 above is yes, responses are not required for the remainder of Interrogatory 15.

| | 1 | 2 | 3 |
|--|----------|---|-------|
| 15.02 Aggregate statement value of investments held in general partnership interests | \$ | 0 | 0.0 % |
| Largest three investments in general partnership interests: | | | |
| 15.03 | \$ | 0 | 0.0 % |
| 15.04 | \$ | 0 | 0.0 % |
| 15.05 | \$ | 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE NOVA CASUALTY COMPANY

16. Amounts and percentages of the reporting entity's total admitted assets held in mortgage loans:

16.01 Are mortgage loans reported in Schedule B less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 16.01 above is yes, responses are not required for the remainder of Interrogatory 16 and Interrogatory 17.

| | 1 | 2 | 3 |
|-------|--|------|-------|
| | Type (Residential, Commercial, Agricultural) | | |
| 16.02 | | \$ 0 | 0.0 % |
| 16.03 | | \$ 0 | 0.0 % |
| 16.04 | | \$ 0 | 0.0 % |
| 16.05 | | \$ 0 | 0.0 % |
| 16.06 | | \$ 0 | 0.0 % |
| 16.07 | | \$ 0 | 0.0 % |
| 16.08 | | \$ 0 | 0.0 % |
| 16.09 | | \$ 0 | 0.0 % |
| 16.10 | | \$ 0 | 0.0 % |
| 16.11 | | \$ 0 | 0.0 % |

Amount and percentage of the reporting entity's total admitted assets held in the following categories of mortgage loans:

| | | Loans | |
|-------|--|-------|-------|
| | | | |
| 16.12 | Construction loans | \$ 0 | 0.0 % |
| 16.13 | Mortgage loans over 90 days past due | \$ 0 | 0.0 % |
| 16.14 | Mortgage loans in the process of foreclosure | \$ 0 | 0.0 % |
| 16.15 | Mortgage loans foreclosed | \$ 0 | 0.0 % |
| 16.16 | Restructured mortgage loans | \$ 0 | 0.0 % |

17. Aggregate mortgage loans having the following loan-to-value ratios as determined from the most current appraisal as of the annual statement date:

| Loan to Value | Residential | | Commercial | | Agricultural | |
|----------------------|-------------|-------|------------|-------|--------------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 17.01 above 95%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.02 91 to 95%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.03 81 to 90%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.04 71 to 80%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.05 below 70%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |

18. Amounts and percentages of the reporting entity's total admitted assets held in each of the five largest investments in real estate:

18.01 Are assets held in real estate reported less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 18.01 above is yes, responses are not required for the remainder of Interrogatory 18.

Largest five investments in any one parcel or group of contiguous parcels of real estate.

| | Description | 1 | 2 | 3 |
|-------|-------------|------|-------|---|
| 18.02 | | \$ 0 | 0.0 % | |
| 18.03 | | \$ 0 | 0.0 % | |
| 18.04 | | \$ 0 | 0.0 % | |
| 18.05 | | \$ 0 | 0.0 % | |
| 18.06 | | \$ 0 | 0.0 % | |

19. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments held in mezzanine real estate loans:

19.01 Are assets held in investments held in mezzanine real estate loans less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 19.01 is yes, responses are not required for the remainder of Interrogatory 19.

| | 1 | 2 | 3 |
|-------|---|------|-------|
| 19.02 | Aggregate statement value of investments held in mezzanine real estate loans: | \$ 0 | 0.0 % |
| | Largest three investments held in mezzanine real estate loans: | | |
| 19.03 | | \$ 0 | 0.0 % |
| 19.04 | | \$ 0 | 0.0 % |
| 19.05 | | \$ 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE NOVA CASUALTY COMPANY

20. Amounts and percentages of the reporting entity's total admitted assets subject to the following types of agreements:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|---|-------------|-------|------------------|------------------------|---|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 20.01 Securities lending agreements (do not include assets held as collateral for such transactions) \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 20.02 Repurchase agreements \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 20.03 Reverse repurchase agreements \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 20.04 Dollar repurchase agreements \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 20.05 Dollar reverse repurchase agreements \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |

21. Amounts and percentages of the reporting entity's total admitted assets for warrants not attached to other financial instruments, options, caps, and floors:

| | Owned | | | Written | |
|----------------------------|-------|-------|---|---------|---|
| | 1 | 2 | 3 | 4 | 5 |
| 21.01 Hedging \$ | 0 | 0.0 % | 0 | 0 | 0 |
| 21.02 Income generation \$ | 0 | 0.0 % | 0 | 0 | 0 |
| 21.03 Other \$ | 0 | 0.0 % | 0 | 0 | 0 |

22. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for collars, swaps, and forwards:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|----------------------------|-------------|-------|------------------|------------------------|---|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 22.01 Hedging \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 22.02 Income generation \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 22.03 Replications \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 22.04 Other \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |

23. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for futures contracts:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|----------------------------|-------------|-------|------------------|------------------------|---|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 23.01 Hedging \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 23.02 Income generation \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 23.03 Replications \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |
| 23.04 Other \$ | 0 | 0.0 % | 0 | 0 | 0 | 0 |

ANNUAL STATEMENT FOR THE YEAR 2022 OF THE AIX SPECIALTY INSURANCE COMPANY

SUMMARY INVESTMENT SCHEDULE

| Investment Categories | Gross Investment Holdings | | Admitted Assets as Reported in the Annual Statement | | | |
|--|---------------------------|--|---|--|-----------------------------------|--|
| | 1 Amount | 2 Percentage of Column 1 Line 13 | 3 Amount | 4 Securities Lending Reinvested Collateral Amount | 5 Total (Col. 3 + 4) Amount | 6 Percentage of Column 5 Line 13 |
| 1. Long-Term Bonds (Schedule D, Part 1): | | | | | | |
| 1.01 U.S. governments | 6,569,324 | 11.806 | 6,569,324 | 0 | 6,569,324 | 11.806 |
| 1.02 All other governments | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.03 U.S. states, territories and possessions, etc. guaranteed | 4,874,308 | 8.760 | 4,874,308 | 0 | 4,874,308 | 8.760 |
| 1.04 U.S. political subdivisions of states, territories, and possessions, guaranteed | 5,696,060 | 10.237 | 5,696,060 | 0 | 5,696,060 | 10.237 |
| 1.05 U.S. special revenue and special assessment obligations, etc. non-guaranteed | 21,989,119 | 39.518 | 21,989,119 | 0 | 21,989,119 | 39.518 |
| 1.06 Industrial and miscellaneous | 15,541,284 | 27.930 | 15,541,284 | 0 | 15,541,284 | 27.930 |
| 1.07 Hybrid securities | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.08 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.09 SVO identified funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.10 Unaffiliated bank loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.11 Unaffiliated certificates of deposit | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.12 Total long-term bonds | 54,670,095 | 98.250 | 54,670,095 | 0 | 54,670,095 | 98.250 |
| 2. Preferred stocks (Schedule D, Part 2, Section 1): | | | | | | |
| 2.01 Industrial and miscellaneous (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.02 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.03 Total preferred stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3. Common stocks (Schedule D, Part 2, Section 2): | | | | | | |
| 3.01 Industrial and miscellaneous Publicly traded (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.02 Industrial and miscellaneous Other (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.03 Parent, subsidiaries and affiliates Publicly traded | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.04 Parent, subsidiaries and affiliates Other | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.05 Mutual funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.06 Unit investment trusts | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.07 Closed-end funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.08 Exchange traded funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.09 Total common stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4. Mortgage loans (Schedule B): | | | | | | |
| 4.01 Farm mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.02 Residential mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.03 Commercial mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.04 Mezzanine real estate loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.05 Total valuation allowance | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.06 Total mortgage loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5. Real estate (Schedule A): | | | | | | |
| 5.01 Properties occupied by company | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.02 Properties held for production of income | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.03 Properties held for sale | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.04 Total real estate | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6. Cash, cash equivalents and short-term investments: | | | | | | |
| 6.01 Cash (Schedule E, Part 1) | 973,487 | 1.750 | 973,487 | 0 | 973,487 | 1.750 |
| 6.02 Cash equivalents (Schedule E, Part 2) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.03 Short-term investments (Schedule DA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.04 Total cash, cash equivalents and short-term investments | 973,487 | 1.750 | 973,487 | 0 | 973,487 | 1.750 |
| 7. Contract loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 8. Derivatives (Schedule DB) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 9. Other invested assets (Schedule BA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 10. Receivables for securities | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 11. Securities Lending (Schedule DL, Part 1)..... | 0 | 0.000 | 0 | XXX | XXX | XXX |
| 12. Other invested assets (Page 2, Line 11) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 13. Total invested assets | 55,643,582 | 100.000 | 55,643,582 | 0 | 55,643,582 | 100.000 |



SUPPLEMENTAL INVESTMENT RISKS INTERROGATORIES

For The Year Ended December 31, 2022
(To Be Filed by April 1)

Of The AIX SPECIALTY INSURANCE COMPANY.....
 ADDRESS (City, State and Zip Code) Worcester , MA 01653-0002
 NAIC Group Code 0088 NAIC Company Code 12833 Federal Employer's Identification Number (FEIN) 20-5233538

The Investment Risks Interrogatories are to be filed by April 1. They are also to be included with the Audited Statutory Financial Statements.

Answer the following interrogatories by reporting the applicable U.S. dollar amounts and percentages of the reporting entity's total admitted assets held in that category of investments.

1. Reporting entity's total admitted assets as reported on Page 2 of this annual statement.\$ 56,751,693

2. Ten largest exposures to a single issuer/borrower/investment.

| | 1 | 2 | 3 | 4 |
|------|---|-------------------------|--------------------|-------------------------------------|
| | Issuer | Description of Exposure | Amount | Percentage of Total Admitted Assets |
| 2.01 | WISCONSIN ST (97705M) | Bonds | \$ 1,500,000 | 2.6 % |
| 2.02 | FEDERAL HOME LOAN MORTGAGE CORP | Bonds | \$ 1,232,311 | 2.2 % |
| 2.03 | UNIVERSITY CALIF REVS | Bonds | \$ 1,122,671 | 2.0 % |
| 2.04 | OHIO ST (677522) | Bonds | \$ 1,000,000 | 1.8 % |
| 2.05 | FEDERAL NATIONAL MORTGAGE ASSOCIATION | Bonds | \$ 943,045 | 1.7 % |
| 2.06 | NEW YORK N Y CITY HSG DEV CORP MULTIFAMILY HSG REV (64972E) | Bonds | \$ 800,000 | 1.4 % |
| 2.07 | SAN FRANCISCO CALIF CITY & CNTY PUB UTILS COMMN WT | Bonds | \$ 800,000 | 1.4 % |
| 2.08 | US BANCORP (91159H) | Bonds | \$ 764,047 | 1.3 % |
| 2.09 | BANK OF NEW YORK MELLON CORP | Bonds | \$ 749,885 | 1.3 % |
| 2.10 | FORSYTH CNTY GA SCH DIST (346604) .. | Bonds | \$ 745,000 | 1.3 % |

3. Amounts and percentages of the reporting entity's total admitted assets held in bonds and preferred stocks by NAIC designation.

| | Bonds | 1 | 2 | Preferred Stocks | 3 | 4 |
|------|--------------|---------------------|-------------|-------------------|-----------|-------------|
| 3.01 | NAIC 1 | \$ 49,420,687 |87.1 % | 3.07 NAIC 1 | \$0 | 0.0 % |
| 3.02 | NAIC 2 | \$ 5,249,408 | 9.2 % | 3.08 NAIC 2 | \$0 | 0.0 % |
| 3.03 | NAIC 3 | \$0 | 0.0 % | 3.09 NAIC 3 | \$0 | 0.0 % |
| 3.04 | NAIC 4 | \$0 | 0.0 % | 3.10 NAIC 4 | \$0 | 0.0 % |
| 3.05 | NAIC 5 | \$0 | 0.0 % | 3.11 NAIC 5 | \$0 | 0.0 % |
| 3.06 | NAIC 6 | \$0 | 0.0 % | 3.12 NAIC 6 | \$0 | 0.0 % |

4. Assets held in foreign investments:

| | | |
|--|--|--------------------------------|
| 4.01 | Are assets held in foreign investments less than 2.5% of the reporting entity's total admitted assets? | Yes [] No [X] |
| If response to 4.01 above is yes, responses are not required for interrogatories 5 - 10. | | |
| 4.02 | Total admitted assets held in foreign investments..... | \$ 1,502,038 2.6 % |
| 4.03 | Foreign-currency-denominated investments | \$0 0.0 % |
| 4.04 | Insurance liabilities denominated in that same foreign currency | \$0 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE AIX SPECIALTY INSURANCE COMPANY

5. Aggregate foreign investment exposure categorized by NAIC sovereign designation:

| | 1 | 2 |
|---|--------------|-------|
| 5.01 Countries designated NAIC-1 | \$ 1,502,038 | 2.6 % |
| 5.02 Countries designated NAIC-2 | \$ 0 | 0.0 % |
| 5.03 Countries designated NAIC-3 or below | \$ 0 | 0.0 % |

6. Largest foreign investment exposures by country, categorized by the country's NAIC sovereign designation:

| | 1 | 2 |
|---|------------|-------|
| Countries designated NAIC - 1: | | |
| 6.01 Country 1: Finland | \$ 250,018 | 0.4 % |
| 6.02 Country 2: Ireland | \$ 249,679 | 0.4 % |
| Countries designated NAIC - 2: | | |
| 6.03 Country 1: | \$ 0 | 0.0 % |
| 6.04 Country 2: | \$ 0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 6.05 Country 1: | \$ 0 | 0.0 % |
| 6.06 Country 2: | \$ 0 | 0.0 % |

| | 1 | 2 |
|---|------|-------|
| 7. Aggregate unhedged foreign currency exposure | \$ 0 | 0.0 % |

8. Aggregate unhedged foreign currency exposure categorized by NAIC sovereign designation:

| | 1 | 2 |
|---|------|-------|
| 8.01 Countries designated NAIC-1 | \$ 0 | 0.0 % |
| 8.02 Countries designated NAIC-2 | \$ 0 | 0.0 % |
| 8.03 Countries designated NAIC-3 or below | \$ 0 | 0.0 % |

9. Largest unhedged foreign currency exposures by country, categorized by the country's NAIC sovereign designation:

| | 1 | 2 |
|---|------|-------|
| Countries designated NAIC - 1: | | |
| 9.01 Country 1: | \$ 0 | 0.0 % |
| 9.02 Country 2: | \$ 0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 9.03 Country 1: | \$ 0 | 0.0 % |
| 9.04 Country 2: | \$ 0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 9.05 Country 1: | \$ 0 | 0.0 % |
| 9.06 Country 2: | \$ 0 | 0.0 % |

10. Ten largest non-sovereign (i.e. non-governmental) foreign issues:

| | 1 Issuer | 2 NAIC Designation | 3 | 4 |
|-------|---|-----------------------|------------|-------|
| 10.01 | NORDEA BANK ABP (65557C) | 1 | \$ 250,018 | 0.4 % |
| 10.02 | AON PLC (00185A) | 2 | \$ 249,679 | 0.4 % |
| 10.03 | WESTPAC BANKING CORP (961214) | 1 | \$ 249,645 | 0.4 % |
| 10.04 | UBS GROUP AG (90351D) | 1 | \$ 203,428 | 0.4 % |
| 10.05 | YARA INTERNATIONAL ASA (984851) | 2 | \$ 199,690 | 0.4 % |
| 10.06 | PERNOD RICARD SA (714264) | 2 | \$ 199,578 | 0.4 % |
| 10.07 | mitsubishi UFJ FINANCIAL GROUP INC (606822) | 1 | \$ 150,000 | 0.3 % |
| 10.08 | ..... |  | \$ 0 | 0.0 % |
| 10.09 | ..... |  | \$ 0 | 0.0 % |
| 10.10 | ..... |  | \$ 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE AIX SPECIALTY INSURANCE COMPANY

11. Amounts and percentages of the reporting entity's total admitted assets held in Canadian investments and unhedged Canadian currency exposure:

11.01 Are assets held in Canadian investments less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []
 If response to 11.01 is yes, detail is not required for the remainder of interrogatory 11.

| | 1 | 2 |
|--|-----------|-------------|
| 11.02 Total admitted assets held in Canadian investments | \$0 | 0.0 % |
| 11.03 Canadian-currency-denominated investments | \$0 | 0.0 % |
| 11.04 Canadian-denominated insurance liabilities | \$0 | 0.0 % |
| 11.05 Unhedged Canadian currency exposure | \$0 | 0.0 % |

12. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments with contractual sales restrictions:

12.01 Are assets held in investments with contractual sales restrictions less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []
 If response to 12.01 is yes, responses are not required for the remainder of Interrogatory 12.

| | 2 | 3 |
|--|-----------|-------------|
| 12.02 Aggregate statement value of investments with contractual sales restrictions | \$0 | 0.0 % |
| Largest three investments with contractual sales restrictions: | | |
| 12.03 | \$0 | 0.0 % |
| 12.04 | \$0 | 0.0 % |
| 12.05 | \$0 | 0.0 % |

13. Amounts and percentages of admitted assets held in the ten largest equity interests:

13.01 Are assets held in equity interests less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []
 If response to 13.01 above is yes, responses are not required for the remainder of Interrogatory 13.

| | 2 | 3 |
|-------------|-----------|-------------|
| 1 Issuer | | |
| 13.02 | \$0 | 0.0 % |
| 13.03 | \$0 | 0.0 % |
| 13.04 | \$0 | 0.0 % |
| 13.05 | \$0 | 0.0 % |
| 13.06 | \$0 | 0.0 % |
| 13.07 | \$0 | 0.0 % |
| 13.08 | \$0 | 0.0 % |
| 13.09 | \$0 | 0.0 % |
| 13.10 | \$0 | 0.0 % |
| 13.11 | \$0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE AIX SPECIALTY INSURANCE COMPANY

14. Amounts and percentages of the reporting entity's total admitted assets held in nonaffiliated, privately placed equities:

14.01 Are assets held in nonaffiliated, privately placed equities less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 14.01 above is yes, responses are not required for 14.02 through 14.05.

| | 1 | 2 | 3 |
|---|----------|---|-------|
| 14.02 Aggregate statement value of investments held in nonaffiliated, privately placed equities | \$ | 0 | 0.0 % |
| Largest three investments held in nonaffiliated, privately placed equities: | | | |
| 14.03 | \$ | 0 | 0.0 % |
| 14.04 | \$ | 0 | 0.0 % |
| 14.05 | \$ | 0 | 0.0 % |

Ten largest fund managers:

| | 1 | 2 | 3 | 4 |
|-------------|--------------|----------------|-------------|----------------|
| | Fund Manager | Total Invested | Diversified | Nondiversified |
| 14.06 | | \$ | \$ | \$ |
| 14.07 | | \$ | \$ | \$ |
| 14.08 | | \$ | \$ | \$ |
| 14.09 | | \$ | \$ | \$ |
| 14.10 | | \$ | \$ | \$ |
| 14.11 | | \$ | \$ | \$ |
| 14.12 | | \$ | \$ | \$ |
| 14.13 | | \$ | \$ | \$ |
| 14.14 | | \$ | \$ | \$ |
| 14.15 | | \$ | \$ | \$ |

15. Amounts and percentages of the reporting entity's total admitted assets held in general partnership interests:

15.01 Are assets held in general partnership interests less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 15.01 above is yes, responses are not required for the remainder of Interrogatory 15.

| | 1 | 2 | 3 |
|--|----------|---|-------|
| 15.02 Aggregate statement value of investments held in general partnership interests | \$ | 0 | 0.0 % |
| Largest three investments in general partnership interests: | | | |
| 15.03 | \$ | 0 | 0.0 % |
| 15.04 | \$ | 0 | 0.0 % |
| 15.05 | \$ | 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE AIX SPECIALTY INSURANCE COMPANY

16. Amounts and percentages of the reporting entity's total admitted assets held in mortgage loans:

16.01 Are mortgage loans reported in Schedule B less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 16.01 above is yes, responses are not required for the remainder of Interrogatory 16 and Interrogatory 17.

| | 1 | 2 | 3 |
|-------|--|------|-------|
| | Type (Residential, Commercial, Agricultural) | | |
| 16.02 | | \$ 0 | 0.0 % |
| 16.03 | | \$ 0 | 0.0 % |
| 16.04 | | \$ 0 | 0.0 % |
| 16.05 | | \$ 0 | 0.0 % |
| 16.06 | | \$ 0 | 0.0 % |
| 16.07 | | \$ 0 | 0.0 % |
| 16.08 | | \$ 0 | 0.0 % |
| 16.09 | | \$ 0 | 0.0 % |
| 16.10 | | \$ 0 | 0.0 % |
| 16.11 | | \$ 0 | 0.0 % |

Amount and percentage of the reporting entity's total admitted assets held in the following categories of mortgage loans:

| | | Loans | |
|-------|--|-------|-------|
| | | | |
| 16.12 | Construction loans | \$ 0 | 0.0 % |
| 16.13 | Mortgage loans over 90 days past due | \$ 0 | 0.0 % |
| 16.14 | Mortgage loans in the process of foreclosure | \$ 0 | 0.0 % |
| 16.15 | Mortgage loans foreclosed | \$ 0 | 0.0 % |
| 16.16 | Restructured mortgage loans | \$ 0 | 0.0 % |

17. Aggregate mortgage loans having the following loan-to-value ratios as determined from the most current appraisal as of the annual statement date:

| Loan to Value | Residential | | Commercial | | Agricultural | |
|----------------------|-------------|-------|------------|-------|--------------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 17.01 above 95%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.02 91 to 95%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.03 81 to 90%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.04 71 to 80%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |
| 17.05 below 70%..... | \$ 0 | 0.0 % | \$ 0 | 0.0 % | \$ 0 | 0.0 % |

18. Amounts and percentages of the reporting entity's total admitted assets held in each of the five largest investments in real estate:

18.01 Are assets held in real estate reported less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 18.01 above is yes, responses are not required for the remainder of Interrogatory 18.

Largest five investments in any one parcel or group of contiguous parcels of real estate.

| | Description | 1 | 2 | 3 |
|-------|-------------|------|---|-------|
| 18.02 | | \$ 0 | | 0.0 % |
| 18.03 | | \$ 0 | | 0.0 % |
| 18.04 | | \$ 0 | | 0.0 % |
| 18.05 | | \$ 0 | | 0.0 % |
| 18.06 | | \$ 0 | | 0.0 % |

19. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments held in mezzanine real estate loans:

19.01 Are assets held in investments held in mezzanine real estate loans less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 19.01 is yes, responses are not required for the remainder of Interrogatory 19.

| | 1 | 2 | 3 |
|-------|---|------|-------|
| 19.02 | Aggregate statement value of investments held in mezzanine real estate loans: | \$ 0 | 0.0 % |
| | Largest three investments held in mezzanine real estate loans: | | |
| 19.03 | | \$ 0 | 0.0 % |
| 19.04 | | \$ 0 | 0.0 % |
| 19.05 | | \$ 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE AIX SPECIALTY INSURANCE COMPANY

20. Amounts and percentages of the reporting entity's total admitted assets subject to the following types of agreements:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|---|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 20.01 Securities lending agreements (do not include assets held as collateral for such transactions) \$ | 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.02 Repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.03 Reverse repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.04 Dollar repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.05 Dollar reverse repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

21. Amounts and percentages of the reporting entity's total admitted assets for warrants not attached to other financial instruments, options, caps, and floors:

| | Owned | | | Written | |
|-------------------------------|-------|-------|------|---------|--|
| | 1 | 2 | 3 | 4 | |
| 21.01 Hedging | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.02 Income generation | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |
| 21.03 Other | \$ 0 | 0.0 % | \$ 0 | 0.0 % | |

22. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for collars, swaps, and forwards:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 22.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

23. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for futures contracts:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 23.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

SUMMARY INVESTMENT SCHEDULE

| Investment Categories | Gross Investment Holdings | | Admitted Assets as Reported in the Annual Statement | | | |
|--|---------------------------|-------------------------------------|---|--|--------------------------------|-------------------------------------|
| | 1 Amount | 2 Percentage of Column 1 Line 13 | 3 Amount | 4 Securities Lending Reinvested Collateral Amount | 5 Total (Col. 3 + 4) Amount | 6 Percentage of Column 5 Line 13 |
| 1. Long-Term Bonds (Schedule D, Part 1): | | | | | | |
| 1.01 U.S. governments | 7,551,897 | 37.602 | 7,551,897 | 0 | 7,551,897 | 37.602 |
| 1.02 All other governments | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.03 U.S. states, territories and possessions, etc. guaranteed | 2,597,910 | 12.935 | 2,597,910 | 0 | 2,597,910 | 12.935 |
| 1.04 U.S. political subdivisions of states, territories, and possessions, guaranteed | 1,243,084 | 6.190 | 1,243,084 | 0 | 1,243,084 | 6.190 |
| 1.05 U.S. special revenue and special assessment obligations, etc. non-guaranteed | 3,664,639 | 18.247 | 3,664,639 | 0 | 3,664,639 | 18.247 |
| 1.06 Industrial and miscellaneous | 4,197,295 | 20.899 | 4,197,295 | 0 | 4,197,295 | 20.899 |
| 1.07 Hybrid securities | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.08 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.09 SVO identified funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.10 Unaffiliated bank loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.11 Unaffiliated certificates of deposit | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 1.12 Total long-term bonds | 19,254,825 | 95.873 | 19,254,825 | 0 | 19,254,825 | 95.873 |
| 2. Preferred stocks (Schedule D, Part 2, Section 1): | | | | | | |
| 2.01 Industrial and miscellaneous (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.02 Parent, subsidiaries and affiliates | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 2.03 Total preferred stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3. Common stocks (Schedule D, Part 2, Section 2): | | | | | | |
| 3.01 Industrial and miscellaneous Publicly traded (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.02 Industrial and miscellaneous Other (Unaffiliated) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.03 Parent, subsidiaries and affiliates Publicly traded | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.04 Parent, subsidiaries and affiliates Other | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.05 Mutual funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.06 Unit investment trusts | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.07 Closed-end funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.08 Exchange traded funds | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 3.09 Total common stocks | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4. Mortgage loans (Schedule B): | | | | | | |
| 4.01 Farm mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.02 Residential mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.03 Commercial mortgages | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.04 Mezzanine real estate loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.05 Total valuation allowance | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 4.06 Total mortgage loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5. Real estate (Schedule A): | | | | | | |
| 5.01 Properties occupied by company | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.02 Properties held for production of income | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.03 Properties held for sale | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 5.04 Total real estate | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6. Cash, cash equivalents and short-term investments: | | | | | | |
| 6.01 Cash (Schedule E, Part 1) | 543,874 | 2.708 | 543,874 | 0 | 543,874 | 2.708 |
| 6.02 Cash equivalents (Schedule E, Part 2) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.03 Short-term investments (Schedule DA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 6.04 Total cash, cash equivalents and short-term investments | 543,874 | 2.708 | 543,874 | 0 | 543,874 | 2.708 |
| 7. Contract loans | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 8. Derivatives (Schedule DB) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 9. Other invested assets (Schedule BA) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 10. Receivables for securities | 285,000 | 1.419 | 285,000 | 0 | 285,000 | 1.419 |
| 11. Securities Lending (Schedule DL, Part 1)..... | 0 | 0.000 | 0 | XXX | XXX | XXX |
| 12. Other invested assets (Page 2, Line 11) | 0 | 0.000 | 0 | 0 | 0 | 0.000 |
| 13. Total invested assets | 20,083,699 | 100.000 | 20,083,699 | 0 | 20,083,699 | 100.000 |



SUPPLEMENTAL INVESTMENT RISKS INTERROGATORIES

For The Year Ended December 31, 2022
(To Be Filed by April 1)

Of The CAMPMED CASUALTY & INDEMNITY COMPANY, INC.
ADDRESS (City, State and Zip Code) Worcester, MA 01653-0002
NAIC Group Code 0088 NAIC Company Code 12260 Federal Employer's Identification Number (FEIN) 52-1827116

The Investment Risks Interrogatories are to be filed by April 1. They are also to be included with the Audited Statutory Financial Statements.

Answer the following interrogatories by reporting the applicable U.S. dollar amounts and percentages of the reporting entity's total admitted assets held in that category of investments.

1. Reporting entity's total admitted assets as reported on Page 2 of this annual statement. \$ 20,201,718

2. Ten largest exposures to a single issuer/borrower/investment.

| | 1 Issuer | 2 Description of Exposure | 3 Amount | 4 Percentage of Total Admitted Assets |
|------|---|------------------------------|-------------|--|
| 2.01 | GEORGIA ST (373385) | Bonds | \$ 612,387 | 3.0 % |
| 2.02 | WISCONSIN ST (97705M) | Bonds | \$ 400,000 | 2.0 % |
| 2.03 | OHIO ST (677522) | Bonds | \$ 399,833 | 2.0 % |
| 2.04 | OREGON ST | Bonds | \$ 349,930 | 1.7 % |
| 2.05 | MONTANA ST BRD REGENTS HIGHER ED REV (61212L) | Bonds | \$ 300,958 | 1.5 % |
| 2.06 | SUSSEX CNTY DEL (869257) | Bonds | \$ 250,000 | 1.2 % |
| 2.07 | AUSTIN TEX ELEC UTIL SYS REV (052414) | Bonds | \$ 240,000 | 1.2 % |
| 2.08 | NEW YORK STATE DORMITORY AUTHORITY (64990F) | Bonds | \$ 237,588 | 1.2 % |
| 2.09 | FEDERAL NATIONAL MORTGAGE ASSOCIATION | Bonds | \$ 237,092 | 1.2 % |
| 2.10 | WESTCHESTER CNTY NY (95736V) | Bonds | \$ 236,890 | 1.2 % |

3. Amounts and percentages of the reporting entity's total admitted assets held in bonds and preferred stocks by NAIC designation.

| | Bonds | 1 | 2 | Preferred Stocks | 3 | 4 |
|------|--------|---------------|--------|------------------|--------|------------|
| 3.01 | NAIC 1 | \$ 17,754,888 | 87.9 % | 3.07 | NAIC 1 | \$ 0 0.0 % |
| 3.02 | NAIC 2 | \$ 1,499,937 | 7.4 % | 3.08 | NAIC 2 | \$ 0 0.0 % |
| 3.03 | NAIC 3 | \$ 0 | 0.0 % | 3.09 | NAIC 3 | \$ 0 0.0 % |
| 3.04 | NAIC 4 | \$ 0 | 0.0 % | 3.10 | NAIC 4 | \$ 0 0.0 % |
| 3.05 | NAIC 5 | \$ 0 | 0.0 % | 3.11 | NAIC 5 | \$ 0 0.0 % |
| 3.06 | NAIC 6 | \$ 0 | 0.0 % | 3.12 | NAIC 6 | \$ 0 0.0 % |

4. Assets held in foreign investments:

| | | |
|--|--|------------------|
| 4.01 | Are assets held in foreign investments less than 2.5% of the reporting entity's total admitted assets? | Yes [X] No [] |
| If response to 4.01 above is yes, responses are not required for interrogatories 5 - 10. | | |
| 4.02 | Total admitted assets held in foreign investments | \$ 199,863 1.0 % |
| 4.03 | Foreign-currency-denominated investments | \$ 0 0.0 % |
| 4.04 | Insurance liabilities denominated in that same foreign currency | \$ 0 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE CAMPMED CASUALTY & INDEMNITY COMPANY, INC.

5. Aggregate foreign investment exposure categorized by NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| 5.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 5.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 5.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

6. Largest foreign investment exposures by country, categorized by the country's NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 6.01 Country 1: | \$0 | 0.0 % |
| 6.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 6.03 Country 1: | \$0 | 0.0 % |
| 6.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 6.05 Country 1: | \$0 | 0.0 % |
| 6.06 Country 2: | \$0 | 0.0 % |

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| 7. Aggregate unhedged foreign currency exposure | \$0 | 0.0 % |

8. Aggregate unhedged foreign currency exposure categorized by NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| 8.01 Countries designated NAIC-1 | \$0 | 0.0 % |
| 8.02 Countries designated NAIC-2 | \$0 | 0.0 % |
| 8.03 Countries designated NAIC-3 or below | \$0 | 0.0 % |

9. Largest unhedged foreign currency exposures by country, categorized by the country's NAIC sovereign designation:

| | <u>1</u> | <u>2</u> |
|---|-----------|-------------|
| Countries designated NAIC - 1: | | |
| 9.01 Country 1: | \$0 | 0.0 % |
| 9.02 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 2: | | |
| 9.03 Country 1: | \$0 | 0.0 % |
| 9.04 Country 2: | \$0 | 0.0 % |
| Countries designated NAIC - 3 or below: | | |
| 9.05 Country 1: | \$0 | 0.0 % |
| 9.06 Country 2: | \$0 | 0.0 % |

10. Ten largest non-sovereign (i.e. non-governmental) foreign issues:

| | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|-------------|----------|------------------|-----------|-------------|
| | Issuer | NAIC Designation | | |
| 10.01 | | | \$0 | 0.0 % |
| 10.02 | | | \$0 | 0.0 % |
| 10.03 | | | \$0 | 0.0 % |
| 10.04 | | | \$0 | 0.0 % |
| 10.05 | | | \$0 | 0.0 % |
| 10.06 | | | \$0 | 0.0 % |
| 10.07 | | | \$0 | 0.0 % |
| 10.08 | | | \$0 | 0.0 % |
| 10.09 | | | \$0 | 0.0 % |
| 10.10 | | | \$0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE CAMPMED CASUALTY & INDEMNITY COMPANY, INC.

11. Amounts and percentages of the reporting entity's total admitted assets held in Canadian investments and unhedged Canadian currency exposure:

| | | | | | |
|--|---|-----|-------------------------------------|-----|--------------------------|
| 11.01 | Are assets held in Canadian investments less than 2.5% of the reporting entity's total admitted assets? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| If response to 11.01 is yes, detail is not required for the remainder of interrogatory 11. | | | | | |
| 11.02 | Total admitted assets held in Canadian investments | \$ | 1 | 2 | |
| 11.03 | Canadian-currency-denominated investments | \$ | 0 | 0.0 | % |
| 11.04 | Canadian-denominated insurance liabilities | \$ | 0 | 0.0 | % |
| 11.05 | Unhedged Canadian currency exposure | \$ | 0 | 0.0 | % |

12. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments with contractual sales restrictions:

| | | | | | |
|--|--|-----|-------------------------------------|-----|--------------------------|
| 12.01 | Are assets held in investments with contractual sales restrictions less than 2.5% of the reporting entity's total admitted assets? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| If response to 12.01 is yes, responses are not required for the remainder of Interrogatory 12. | | | | | |
| 12.02 | Aggregate statement value of investments with contractual sales restrictions | \$ | 1 | 2 | 3 |
| Largest three investments with contractual sales restrictions: | | | | | |
| 12.03 | ..... | \$ | 0 | 0.0 | % |
| 12.04 | ..... | \$ | 0 | 0.0 | % |
| 12.05 | ..... | \$ | 0 | 0.0 | % |

13. Amounts and percentages of admitted assets held in the ten largest equity interests:

| | | | | | |
|--|---|-----|-------------------------------------|-----|--------------------------|
| 13.01 | Are assets held in equity interests less than 2.5% of the reporting entity's total admitted assets? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| If response to 13.01 above is yes, responses are not required for the remainder of Interrogatory 13. | | | | | |
| 13.02 | ..... | \$ | 1 | 2 | 3 |
| Issuer | | | | | |
| 13.02 | ..... | \$ | 0 | 0.0 | % |
| 13.03 | ..... | \$ | 0 | 0.0 | % |
| 13.04 | ..... | \$ | 0 | 0.0 | % |
| 13.05 | ..... | \$ | 0 | 0.0 | % |
| 13.06 | ..... | \$ | 0 | 0.0 | % |
| 13.07 | ..... | \$ | 0 | 0.0 | % |
| 13.08 | ..... | \$ | 0 | 0.0 | % |
| 13.09 | ..... | \$ | 0 | 0.0 | % |
| 13.10 | ..... | \$ | 0 | 0.0 | % |
| 13.11 | ..... | \$ | 0 | 0.0 | % |

SUPPLEMENT FOR THE YEAR 2022 OF THE CAMPMED CASUALTY & INDEMNITY COMPANY, INC.

14. Amounts and percentages of the reporting entity's total admitted assets held in nonaffiliated, privately placed equities:

14.01 Are assets held in nonaffiliated, privately placed equities less than 2.5% of the reporting entity's total admitted assets? Yes No

If response to 14.01 above is yes, responses are not required for 14.02 through 14.05.

| | 1 | 2 | 3 |
|---|----------|---|-------|
| 14.02 Aggregate statement value of investments held in nonaffiliated, privately placed equities | \$ | 0 | 0.0 % |
| Largest three investments held in nonaffiliated, privately placed equities: | | | |
| 14.03 | \$ | 0 | 0.0 % |
| 14.04 | \$ | 0 | 0.0 % |
| 14.05 | \$ | 0 | 0.0 % |

Ten largest fund managers:

| | 1 | 2 | 3 | 4 |
|-------------|--------------|----------------|-------------|----------------|
| | Fund Manager | Total Invested | Diversified | Nondiversified |
| 14.06 | | \$ | \$ | \$ |
| 14.07 | | \$ | \$ | \$ |
| 14.08 | | \$ | \$ | \$ |
| 14.09 | | \$ | \$ | \$ |
| 14.10 | | \$ | \$ | \$ |
| 14.11 | | \$ | \$ | \$ |
| 14.12 | | \$ | \$ | \$ |
| 14.13 | | \$ | \$ | \$ |
| 14.14 | | \$ | \$ | \$ |
| 14.15 | | \$ | \$ | \$ |

15. Amounts and percentages of the reporting entity's total admitted assets held in general partnership interests:

15.01 Are assets held in general partnership interests less than 2.5% of the reporting entity's total admitted assets? Yes No

If response to 15.01 above is yes, responses are not required for the remainder of Interrogatory 15.

| | 1 | 2 | 3 |
|--|----------|---|-------|
| 15.02 Aggregate statement value of investments held in general partnership interests | \$ | 0 | 0.0 % |
| Largest three investments in general partnership interests: | | | |
| 15.03 | \$ | 0 | 0.0 % |
| 15.04 | \$ | 0 | 0.0 % |
| 15.05 | \$ | 0 | 0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE CAMPMED CASUALTY & INDEMNITY COMPANY, INC.

16. Amounts and percentages of the reporting entity's total admitted assets held in mortgage loans:

16.01 Are mortgage loans reported in Schedule B less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 16.01 above is yes, responses are not required for the remainder of Interrogatory 16 and Interrogatory 17.

| | 1 | 2 | 3 |
|-------|--|-----------|------------|
| | Type (Residential, Commercial, Agricultural) | | |
| 16.02 | | \$0 |0.0 % |
| 16.03 | | \$0 |0.0 % |
| 16.04 | | \$0 |0.0 % |
| 16.05 | | \$0 |0.0 % |
| 16.06 | | \$0 |0.0 % |
| 16.07 | | \$0 |0.0 % |
| 16.08 | | \$0 |0.0 % |
| 16.09 | | \$0 |0.0 % |
| 16.10 | | \$0 |0.0 % |
| 16.11 | | \$0 |0.0 % |

Amount and percentage of the reporting entity's total admitted assets held in the following categories of mortgage loans:

| | | Loans | |
|-------|--|-----------|------------|
| | | | |
| 16.12 | Construction loans | \$0 |0.0 % |
| 16.13 | Mortgage loans over 90 days past due | \$0 |0.0 % |
| 16.14 | Mortgage loans in the process of foreclosure | \$0 |0.0 % |
| 16.15 | Mortgage loans foreclosed | \$0 |0.0 % |
| 16.16 | Restructured mortgage loans | \$0 |0.0 % |

17. Aggregate mortgage loans having the following loan-to-value ratios as determined from the most current appraisal as of the annual statement date:

| Loan to Value | Residential | | Commercial | | Agricultural | |
|----------------------|-------------|------------|------------|------------|--------------|------------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 17.01 above 95%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.02 91 to 95%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.03 81 to 90%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.04 71 to 80%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |
| 17.05 below 70%..... | \$0 |0.0 % | \$0 |0.0 % | \$0 |0.0 % |

18. Amounts and percentages of the reporting entity's total admitted assets held in each of the five largest investments in real estate:

18.01 Are assets held in real estate reported less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 18.01 above is yes, responses are not required for the remainder of Interrogatory 18.

Largest five investments in any one parcel or group of contiguous parcels of real estate.

| | Description | 1 | 2 | 3 |
|-------|-------------|-----------|------------|---|
| 18.02 | | \$0 |0.0 % | |
| 18.03 | | \$0 |0.0 % | |
| 18.04 | | \$0 |0.0 % | |
| 18.05 | | \$0 |0.0 % | |
| 18.06 | | \$0 |0.0 % | |

19. Report aggregate amounts and percentages of the reporting entity's total admitted assets held in investments held in mezzanine real estate loans:

19.01 Are assets held in investments held in mezzanine real estate loans less than 2.5% of the reporting entity's total admitted assets? Yes [X] No []

If response to 19.01 is yes, responses are not required for the remainder of Interrogatory 19.

| | 1 | 2 | 3 |
|-------|---|-----------|------------|
| 19.02 | Aggregate statement value of investments held in mezzanine real estate loans: | \$0 |0.0 % |
| 19.03 | Largest three investments held in mezzanine real estate loans: | \$0 |0.0 % |
| 19.04 | ..... | \$ .....0 |0.0 % |
| 19.05 | ..... | \$ .....0 |0.0 % |

SUPPLEMENT FOR THE YEAR 2022 OF THE CAMPMED CASUALTY & INDEMNITY COMPANY, INC.

20. Amounts and percentages of the reporting entity's total admitted assets subject to the following types of agreements:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|--|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 20.01 Securities lending agreements (do not include assets held as collateral for such transactions) | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.02 Repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.03 Reverse repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.04 Dollar repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 20.05 Dollar reverse repurchase agreements | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

21. Amounts and percentages of the reporting entity's total admitted assets for warrants not attached to other financial instruments, options, caps, and floors:

| | Owned | | | Written | |
|-------------------------|-------|-------|------|---------|------|
| | 1 | 2 | 3 | 4 | 5 |
| 21.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 21.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |
| 21.03 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 |

22. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for collars, swaps, and forwards:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 22.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 22.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

23. Amounts and percentages of the reporting entity's total admitted assets of potential exposure for futures contracts:

| | At Year End | | 1st Quarter 3 | At End of Each Quarter | | 3rd Quarter 5 |
|-------------------------|-------------|-------|------------------|------------------------|------|------------------|
| | 1 | 2 | | 2nd Quarter 4 | | |
| 23.01 Hedging | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.02 Income generation | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.03 Replications | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 23.04 Other | \$ 0 | 0.0 % | \$ 0 | \$ 0 | \$ 0 | \$ 0 |