

Management's Discussion & Analysis of Financial Condition and Results of Operations

# Quarter Ended September 30, 2022

## Management's Discussion & Analysis of Financial Condition and Results of Operations

The following discussion highlights significant factors influencing results of operations and changes in financial position of Liberty Mutual Holding Company Inc., the parent corporation of the Liberty Mutual Insurance group of entities (the "Company" or "LMHC"), for the nine months ended September 30, 2022 and 2021. This Management's Discussion & Analysis of Financial Condition and Results of Operations ("MD&A") should be read in conjunction with the Company's December 31, 2021 Audited Consolidated Financial Statements and September 30, 2022 Unaudited Consolidated Financial Statements located on the Company's Investor Relations website at <u>www.libertymutualgroup.com/investors</u>. The Company's discussions related to net income are presented in conformity with U.S. generally accepted accounting principles ("GAAP") on an after-tax basis. All other discussions are presented on a pre-tax GAAP basis, unless otherwise noted. Further, the Company notes that it may make material information regarding the Company available to the public, from time to time, via the Company's Investor Relations website at <u>www.libertymutualgroup.com/investors</u> (or any successor site).

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#### **Cautionary Statement Regarding Forward Looking Statements**

This report contains forward looking statements that are intended to enhance the reader's ability to assess the Company's future financial and business performance. Forward looking statements include, but are not limited to, statements that represent the Company's beliefs concerning future operations, strategies, financial results or other developments, and contain words and phrases such as "may," "expects," "should," "believes," "anticipates," "estimates," "intends" or similar expressions. Because these forward-looking statements are based on estimates and assumptions that are subject to significant business, economic and competitive uncertainties, many of which are beyond the Company's control or are subject to change, actual results could be materially different.

Some of the factors that could cause actual results to differ include, but are not limited to the following: the occurrence of catastrophic events (including terrorist acts, war or conflicts, civil unrest, hurricanes, hail, tornados, tsunamis, earthquakes, floods, snowfall and winter conditions); inadequacy of loss reserves; adverse developments involving asbestos, environmental or toxic tort claims and litigation; adverse developments in the cost, availability or ability to collect reinsurance; disruptions to the Company's relationships with its independent agents and brokers; financial disruption or a prolonged economic downturn; prolonged epidemic or pandemic in countries in which we operate; the performance of the Company's investment portfolios; a rise in interest rates; risks inherent in the Company's alternative investments in private limited partnerships ("LP"), limited liability companies ("LLC"), commercial mortgages and direct investments in natural resources; difficulty in valuing certain of the Company's investments; subjectivity in the determination of the amount of impairments taken on the Company's investments; unfavorable outcomes from litigation and other legal proceedings, including the effects of emerging claim and coverage issues and investigations by state and federal authorities; the Company's exposure to credit risk in certain of its business operations; the Company's inability to obtain price increases or maintain market share due to competition or otherwise; inadequacy of the Company's pricing models; changes to insurance laws and regulations; changes in the amount of statutory capital that the Company must hold to maintain its financial strength and credit ratings; regulatory restrictions on the Company's ability to change its methods of marketing and underwriting in certain areas; assessments for guaranty funds and mandatory pooling arrangements; a downgrade in the Company's claims-paying and financial strength ratings; the ability of the Company's subsidiaries to pay dividends to the Company; inflation, including inflation in medical costs and automobile and home repair costs; the cyclicality of the property and casualty insurance industry; political, legal, operational and other risks faced by the Company's international business; potentially high severity losses involving the Company's surety products; loss or significant restriction on the Company's ability to use credit scoring in the pricing and underwriting of personal lines policies; inadequacy of the Company's controls to ensure compliance with legal and regulatory standards; changes in U.S. federal, foreign or state tax laws; risks arising out of the Company's securities lending program; the Company's utilization of information technology systems and its implementation of technology innovations; difficulties with technology or data security; insufficiency of the Company's business continuity plan in the event of a disaster; the Company's ability to successfully integrate operations, personnel and technology from its acquisitions; insufficiency of the Company's enterprise risk management models and modeling techniques; the Company's ability to identify and accurately assess complex and emerging risks, and changing climate conditions. The Company's forward-looking statements speak only as of the date of this report or as of the date they are made and should be regarded solely as the Company's current plans, estimates and beliefs. For a detailed discussion of these and other cautionary statements, visit the Company's Investor Relations website at www.libertymutualgroup.com/investors. The Company undertakes no obligation to update these forward-looking statements.

In December 2019, a novel coronavirus commonly referred to as "COVID-19" surfaced in Wuhan, China. The outbreak has since spread to other countries, including the United States, and efforts to contain the spread of this coronavirus have intensified and are ongoing. The outbreak and any preventative or protective actions that governments, other third parties or we may take in respect of the coronavirus may result in a continued period of business disruption and reduced operations. The extent to which the coronavirus impacts our future results will depend on developments which are highly uncertain and cannot be predicted, including litigation developments, legislative or regulatory actions and intervention, the length and severity of the coronavirus (including of second waves), the level of acceptance of the vaccines, and the actions of government actors to contain the coronavirus or treat its impact, among others. Possible effects on our business and operations include: disruptions to business operations resulting from home or from closures of our corporate or sales offices and the offices of our agents and brokers and quarantines of employees, customers, agents, brokers and suppliers in areas affected by the outbreak; disruptions to business on new homes or new

automobiles which could reduce demand for insurance; disruptions to business operations resulting from our customers having lower payrolls and revenues which could have an impact on insurance revenue; increased claims related to trade credit, general liability, workers compensation, and event cancellation coverage, among others; executive or legislative mandates or court decisions expanding property insurance policy coverage to cover business interruptions resulting from COVID-19 notwithstanding any exclusions set forth in such policies or conditions precedent generally required for liability under such policies; and disruption of the financial markets resulting in reductions in the value of our investment portfolio. A significant rise in the number of COVID-19 infections, infections in a wide range of countries and regions, or a prolongation of the outbreak, could create an adverse economic effect on the Company.

## **EXECUTIVE SUMMARY**

The following highlights do not address all of the matters covered in the other sections of Management's Discussion & Analysis of Financial Condition and Results of Operations or contain all of the information that may be important to the investing public. This summary should be read in conjunction with the other sections of Management's Discussion & Analysis of Financial Condition and Results of Operations and the Company's 2022 Unaudited Consolidated Financial Statements.

## **Consolidated Results of Operations**

		ee Months Ender September 30,		Nine Months Ended September 30,			
\$ in Millions	2022	2021	Change	2022	2021	Change	
Net written premium	\$12,615	\$11,405	10.6%	\$36,703	\$32,651	12.4%	
Pre-tax operating (loss) income	(302)	(212)	42.5	(166)	312	NM	
before limited partnerships income <sup>1</sup>							
Limited partnerships income	(272)	1,000	NM	562	2,792	(79.9)	
Net realized gains (losses)	53	20	165.0	(762)	83	NM	
Unit linked life insurance	17	(7)	NM	137	(95)	NM	
Acquisition & integration costs	(23)	(4)	NM	(80)	(13)	NM	
Restructuring costs	(5)	(36)	(86.1)	(5)	(147)	(96.6)	
Consolidated net (loss) income	(353)	722	NM	(197)	2,348	NM	
Less: Net income attributable to non-	-	1	NM	1	2	(50.0)	
controlling interest							
Net (loss) income attributable to	(353)	721	NM	(198)	2,346	NM	
LMHC							
Net (loss) income attributable to	(583)	701	NM	4	2,146	(99.8)	
LMHC excluding unrealized impact <sup>2</sup>							
Cash flow provided by continuing	\$2,223	\$1,814	22.5%	\$4,012	\$4,681	(14.3%)	
operations							

1 Limited partnerships income includes LP, LLC and other equity method income within net investment income in the accompanying Consolidated Statement of Operations and revenue and expenses from direct investments in natural resources.

2 Excludes unrealized gains on equity securities, unit linked life insurance, and the corresponding tax impact. NM = Not Meaningful

NM = Nc	ot Meaningful
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		ee Months En September 30,		Nine Months Ended September 30,			
	2022	2021	Change (Points)	2022	2021	Change (Points)	
Underlying combined ratio <sup>1</sup>	95.2%	94.6%	0.6	95.4%	92.7%	2.7	
Combined ratio <sup>2</sup>	105.4%	104.4%	1.0	103.2%	101.3%	1.9	

1 The underlying combined ratio is computed as the combined ratio excluding the impact of catastrophes and prior accident year development. Catastrophes are defined as a natural catastrophe, civil unrest, terror event, war or conflict exceeding \$25 million in estimated ultimate losses, net of reinsurance, and before taxes. Catastrophe losses, where applicable, include the impact of accelerated earned catastrophe premiums and earned reinstatement premiums. Net incurred losses attributable to prior years is defined as incurred losses related to catastrophes, prior year catastrophe reinstatement premium, and prior year commission expense) including earned premium attributable to prior years.

2 The combined ratio, expressed as a percentage, is a measure of underwriting profitability. This measure should only be used in conjunction with, and not in lieu of, underwriting income and may not be comparable to other performance measures used by the Company's competitors. The combined ratio is computed as the sum of the following property and casualty ratios: the ratio of claims and claim adjustment expense less managed care income to earned premium; the ratio of insurance operating costs plus amortization of deferred policy acquisition costs less third-party administration income and fee income (primarily related to the Company's involuntary market servicing carrier operations) and installment charges to earned premium; and the ratio of policyholder dividends to earned premium. Provisions for uncollectible premium and reinsurance are not included in the combined ratio unless related to an asbestos and environmental commutation and certain other run off. Restructuring and acquisition and integration costs are not included in the combined ratio.

	As of September 30,	As of December 31,	
\$ in Millions	2022	2021	Change
Short-term debt <sup>1,2</sup>	\$547	\$473	15.6%
Long-term debt	9,515	9,181	3.6
Total debt	\$10,062	\$9,654	4.2%
Unassigned equity	\$29,210	\$28,776	1.5%
Accumulated other comprehensive (loss) income	(8,454)	(960)	NM
Non-controlling interest	200	32	NM
Total equity	\$20,956	\$27,848	(24.7%)

1 Short-term debt is the current maturity of the 4.95% Notes, due May 1, 2022 and the 4.25% Notes, due June 15,2023.

2 In September 2022, State Automobile Mutual Insurance Company paid off \$11M of FHLB short-term borrowings. NM = Not Meaningful

## **Subsequent Events**

Management has assessed material subsequent events through November 2, 2022, the date the financial statements were available to be issued.

# **CONSOLIDATED RESULTS OF OPERATIONS**

The Company has identified consolidated pre-tax operating income ("PTOI"), and PTOI before limited partnerships income as non-GAAP financial measures. PTOI is defined by the Company as pre-tax income excluding net realized gains (losses), unit linked life insurance, loss on extinguishment of debt, discontinued operations, integration, other acquisition and restructuring related costs and cumulative effects of changes in accounting principles. Underlying PTOI is defined as PTOI excluding the impact of catastrophes and prior accident year development. Catastrophes are defined as a natural catastrophe, civil unrest, terror event, war or conflict exceeding \$25 million in estimated ultimate losses, net of reinsurance, and before taxes. Catastrophe losses, where applicable, include the impact of accelerated earned catastrophe premiums and earned reinstatement premiums. Net incurred losses attributable to prior years is defined as incurred losses attributable to prior years (including prior year losses related to catastrophes, prior year catastrophe reinstatement premium, and prior year commission expense) including earned premium attributable to prior years. PTOI before limited partnerships income is defined as PTOI excluding LP and LLC results recognized on the equity method and revenue and expenses from direct investments in natural resources. PTOI before limited partnerships income and PTOI are considered by the Company to be appropriate indicators of underwriting and operating results and are consistent with the way the Company internally evaluates performance. Net realized gains/(losses) and limited partnerships income results are significantly impacted by both discretionary and economic factors and are not necessarily indicative of operating results, and the timing and amount of integration, other acquisition and restructuring related costs and the extinguishment of debt are not connected to the management of the insurance and underwriting aspects of the Company's business. Income taxes are impacted by permanent differences. References to Net Written Premium ("NWP") represent the amount of premium recorded for policies issued during a fiscal period including audits, retrospectively rated premium related to loss sensitive policies, and assumed premium, less ceded premium. Assumed and ceded reinsurance premiums include premium adjustments for reinstatement of coverage when a loss has used some portion of the reinsurance provided, generally under catastrophe treaties ("reinstatement premium"), and changes in estimated premium. In addition, the majority of workers compensation premium is adjusted to the "booked as billed" method through the Corporate and Other segment. The Company believes that NWP is a performance measure useful to investors as it generally reflects current trends in the Company's sale of its insurance products. The combined ratio is computed as the sum of the following property and casualty ratios: the ratio of claims and claim adjustment expense less managed care income to earned premium; the ratio of insurance operating costs plus amortization of deferred policy acquisition costs less third-party administration income and fee income (primarily related to the Company's involuntary market servicing carrier operations) and installment charges to earned premium; and the ratio of policyholder dividends to earned premium. Provisions for uncollectible premium and reinsurance are not included in the combined ratio unless related to an asbestos and environmental commutation and certain other run off. Restructuring and acquisition and integration costs are not included in the combined ratio. The combined ratio, expressed as a percentage, is a measure of underwriting profitability. The underlying combined ratio is computed as the combined ratio excluding the impact of catastrophes and prior accident year development. This measure should only be used in conjunction with, and not in lieu of, underwriting income and may not be comparable to other performance measures used by the Company's competitors.

The Company's discussions related to net income are presented on an after-tax GAAP basis. All other discussions are presented on a pre-tax GAAP basis, unless otherwise noted.

On July 28, 2022, the Company completed its acquisition of Malaysian insurer AmGeneral Insurance Berhad ("AmGeneral") and acquired 100% of the shares of AmGeneral, and AmBank Group's share of the sale proceeds were in the form of cash and consideration shares, which resulted in AmBank Group retaining a 30% interest in the Liberty Insurance Berhad and AmGeneral businesses. The AmGeneral and Liberty Insurance Berhad operations will, at a subsequent date, be formally merged.

On June 6, 2022, Liberty Mutual Group, Inc. ("LMGI") issued \$1,000 million of Senior Notes, due 2052 (the "2052 Notes"). Interest is payable semi-annually at a fixed rate of 5.50%. The 2052 Notes mature on June 15, 2052.

On May 2, 2022, \$473 million of LMGI 4.95% Notes were paid at maturity.

On March 1, 2022, the Company completed its merger with State Automobile Mutual Insurance Company ("SAM"), a super-regional insurance company headquartered in Columbus, Ohio. Under the terms of the agreement, members of SAM and its subsidiaries became mutual members of the Company. The Company acquired all of the publicly held shares of common stock of SAM's subsidiary, State Auto Financial Corporation ("STFC"), for \$52 per share in cash, totaling approximately \$980 million. Direct costs related to the acquisition were expensed as incurred. Integration and acquisition costs principally consisting of non-recurring banking, legal, tax and accounting services, retention and severance costs are reflected separately on the Consolidated Statement of Operations. Financial results post acquisition date are included in the MD&A and Unaudited Consolidated Financial Statements.

Liberty Mutual Metals and Mining signed an agreement in August 2021 to sell a subsidiary entity (Baralaba Coal Company) and recorded an incremental impairment of \$10 million in Q4, bringing the total YTD impairment to \$509 million. The transaction closed in December 2021 with a realized loss incurred of \$30 million.

On June 8, 2021, it was announced that Independence Energy ("ICO") was entering into a reverse takeover of Contango Oil and Gas, a public company, through an "Up-C" structure, whereby a new publicly traded company was established (Crescent Energy, ticker CRGY) with underlying ownership split 76% to ICO and its existing shareholders, and 24% to Contango's shareholders. The merger transaction closed on December 9, 2021 at which point the Company exchanged its 31% ownership in ICO, for a 23.5% ownership in a new operating entity, Crescent Energy OpCo LLC, whose shares are exchangeable 1-for-1 with the public company. This transaction furthers the evolution of our energy holdings from a direct investing model to an experienced operator that provides product expertise and geographic diversification.

On August 16, 2021, LMGI issued \$500 million of Series F Junior Subordinated Notes, due 2051 (the "Series F Notes"). Interest is payable semi-annually at a fixed rate of 4.125%. The Series F Notes may be redeemed in whole or in part three months prior to and on December 15, 2026, after which the notes may be redeemed during the three-month period prior to and on each succeeding interest reset date. The interest reset dates are on each five-year anniversary of December 15, 2021 until December 15, 2051.

On February 1, 2021, LMGI issued \$800 million of Series E Junior Subordinated Notes, due 2061 (the "Series E Notes"). Interest is payable semi-annually at a fixed rate of 4.30%. The Series E Notes may be redeemed in whole or in part on February 1, 2026, after which the notes may be redeemed on any interest payment date thereafter until February 1, 2061.

The Company offered eligible employees an early retirement option, with all retirements occurring by December 2021. The Company calculated the cost of irrevocable acceptances of this special termination benefit to be \$577 million, which was recognized in the fourth quarter of 2020 and was reflected in restructuring costs in the Consolidated Statement of Operations. A settlement loss of \$178 million was accrued through the fourth quarter of 2021 due to the volume of lump sum cash payments.

On May 1, 2018, the Company completed the sale of Liberty Life Assurance Company of Boston ("LLAC"), which provides group disability, group life, individual life and annuity products, to Lincoln Financial Group. In connection with the Company's May 2018 sale of LLAC to Lincoln Financial Group, the Company agreed, pursuant to the master transaction agreement, to indemnify Protective Life Corporation and Protective Life Insurance Company (together with certain of their respective affiliates, "Protective"), Lincoln and other parties against certain liabilities. In late 2018, Protective initiated informal discussions with the Company regarding potential indemnification claims (the "Initial Claims") and in 2019 the Company began an investigation and evaluation of such Initial Claims. On April 30, 2019, Protective delivered to the Company a formal demand for indemnification related to the Initial Claims and in addition, demands for indemnification including matters unrelated to the Initial Claims (the "New Claims"). The Company has resolved the principal claims from Protective and Lincoln well below the reserve of \$63 million. The Company intends to vigorously defend any and all remaining claims, which are non-material.

At this time, if the Initial Claims and all of the New Claims are ultimately determined to have merit and if the monetary value of those claims were equal to the amount alleged to be due, the aggregate potential liability represented by the claims would not have a material adverse effect on the financial condition of the Company, although such aggregate potential liability may be material relative to the Company's results of operations for a single reporting period, depending on the facts and circumstances at such time.

The Company's two businesses are as follows:

- Global Retail Markets combines the Company's local expertise in growth markets outside the U.S. with strong and scalable U.S. capabilities in order to take advantage of opportunities to grow its business globally. Global Retail Markets is organized into the following segments: U.S., West, East, and Reinsurance.
- Global Risk Solutions offers a wide array of property, casualty, specialty and reinsurance products distributed through brokers and independent agents globally. Global Risk Solutions is organized into the following market segments: Liberty Specialty Markets, Liberty Mutual Reinsurance, North America, Global Surety, and Other Global Risk Solutions.

#### **Overview** – Consolidated

Consolidated NWP by	cignificant line	of huginogg	waa aa fallowaa
Consolidated IN WF DV	significant file	of Dusiness	was as follows.

		ee Months End September 30,	led	Nine Months Ended September 30,			
\$ in Millions	2022	2021	Change	2022	2021	Change	
Private passenger automobile	\$4,165	\$3,897	6.9%	\$12,270	\$11,274	8.8%	
Homeowners	2,756	2,198	25.4	7,129	5,721	24.6	
Global Risk Solutions specialty insurance <sup>1</sup>	986	1,031	(4.4)	3,110	3,106	0.1	
Global Risk Solutions reinsurance	588	583	0.9	2,115	2,060	2.7	
Commercial property	806	662	21.8	1,966	1,675	17.4	
Commercial multiple-peril	605	515	17.5	1,743	1,524	14.4	
Commercial automobile	548	423	29.6	1,707	1,327	28.6	
Global Risk Solutions casualty <sup>2</sup>	616	748	(17.6)	1,610	1,607	0.2	
Workers compensation	499	424	17.7	1,493	1,252	19.2	
Surety	339	294	15.3	1,020	884	15.4	
Global Retail Markets general liability	308	246	25.2	890	736	20.9	
Global Risk Solutions inland marine <sup>3</sup>	148	144	2.8	444	426	4.2	
Global Risk Solutions other reinsurance	140	54	159.3	309	75	NM	
Corporate reinsurance <sup>4</sup>	(425)	(193)	120.2	(588)	(205)	186.2	
Other <sup>5</sup>	536	379	41.4	1,485	1,189	24.9	
Total NWP	\$12,615	\$11,405	10.6%	\$36,703	\$32,651	12.4%	

1 Global Risk Solutions specialty insurance includes marine, energy, construction, aviation, warranty and indemnity, directors and officers, errors and omissions, trade credit, contingent lines and other.

2 Global Risk Solutions casualty primarily includes general liability, excess & umbrella and environmental lines of business.

3 Global Risk Solutions inland marine includes handset protection coverage for lost or damaged wireless devices.

4 NWP associated with internal reinsurance assumed into Corporate, net of corporate external placements.

5 Primarily includes NWP from allied lines, domestic inland marine, internal reinsurance, and life and health reported within Global Retail Markets.

NM = Not Meaningful

NWP for the three months ended September 30, 2022 was \$12.615 billion, an increase of \$1.210 billion over the same period in 2021.

Significant changes by major line of business for the three months ended September 30, 2022 include:

- Private passenger automobile NWP increased \$268 million. The increase reflects rate actions taken to offset rising personal lines severity and frequency trends, and the acquisition of SAM partially offset by lower new business growth.
- Homeowners NWP increased \$558 million. The increase reflects rate increases taken to offset rising personal lines severity trends, growth due to inflation-sensitive exposure bases and the acquisition of SAM partially offset by lower new business growth.
- Commercial property NWP increased \$144 million. The increase reflects renewal rate increases and growth due to inflation-sensitive exposure bases.
- Commercial automobile NWP increased \$125 million. The increase reflects the acquisition of SAM.
- Global Risk Solutions Casualty decreased \$132 million. The decrease reflects lower casualty premium due to the execution of a loss portfolio transfer for an existing policyholder in 2021 that did not recur.

- Global Retail Markets general liability NWP increased \$62 million. The increase reflects the acquisition of SAM.
- Corporate reinsurance NWP decreased \$232 million. The decrease reflects higher ceded on external reinsurance treaties.
- Global Risk Solutions other reinsurance reflects internal reinsurance changes in 2022 creating offsetting differences amongst segments and lines.

NWP for the nine months ended September 30, 2022 was \$36.703 billion, an increase of \$4.052 billion over the same period in 2021.

Significant changes by major line of business for the nine months ended September 30, 2022 include:

- Private passenger automobile NWP increased \$996 million. The increase reflects rate actions taken to offset rising personal lines severity and frequency trends, higher retention and the acquisition of SAM partially offset by lower new business growth.
- Homeowners NWP increased \$1,408 million. The increase reflects rate actions taken to offset rising personal lines severity trends, higher retention, growth due to inflation-sensitive exposure bases and the acquisition of SAM partially offset by lower new business growth.
- Commercial property NWP increased \$291 million. The increase reflects renewal rate increases and growth due to inflation-sensitive exposure bases.
- Commercial automobile NWP increased \$380 million. The increase reflects the acquisition of SAM, expansion of an existing partnership, rate increases and an increase in average written premium.
- Workers compensation NWP increased \$241 million. The increase reflects favorable premium audits.
- Global Retail Markets general liability NWP increased \$154 million. The increase reflects the acquisition of SAM.
- Corporate reinsurance NWP decreased \$383 million. The decrease reflects higher ceded on external reinsurance treaties.
- Global Risk Solutions other reinsurance reflects internal reinsurance changes in 2022 creating offsetting differences amongst segments and lines.

	Three Months Ended September 30,			Nine Months Ended September 30,		
\$ in Millions	2022 2021 Change			2022	2021	Change
Global Retail Markets	\$9,050	\$7,757	16.7%	\$25,605	\$22,082	16.0%
Global Risk Solutions	4,002	3,834	4.4	11,670	10,771	8.3
Corporate and Other	(437)	(186)	134.9	(572)	(202)	183.2
Total NWP	\$12,615	\$11,405	10.6%	\$36,703	\$32,651	12.4%
Foreign exchange effect on growth			(1.5)			(1.1)
NWP growth excluding foreign exchange <sup>1</sup>			12.1%			13.5%

Consolidated NWP by business was as follows:

1 Determined by assuming constant foreign exchange rates between periods.

Consolidated NWP by geographic distribution channels was as follows:

	Three Months Ended September 30,			Nine Months Ended September 30,		
\$ in Millions	2022	2021	Change	2022	2021	Change
U.S.	\$10,474	\$9,036	15.9%	\$30,392	\$25,489	19.2%
International excluding foreign exchange <sup>1</sup>	2,316	2,369	(2.2)	6,678	7,162	(6.8)
Foreign exchange <sup>1</sup>	(175)	-	-	(367)	-	-
Total NWP	\$12,615	\$11,405	10.6%	\$36,703	\$32,651	12.4%

1 Determined by assuming constant foreign exchange rates between periods.

For a more complete description of the Company's business operations, products and distribution channels, and other material information, please visit the Company's Investor Relations web site at www.libertymutualgroup.com/investors.

## **Results of Operations – Consolidated**

		e Months End eptember 30,	ded	Nine Months Ended September 30,		
\$ in Millions	2022	2021	Change	2022	2021	Change
Revenues	\$12,740	\$12,370	3.0%	\$36,829	\$35,979	2.4%
Underlying PTOI before limited partnerships income	\$928	\$827	12.2%	\$2,541	\$2,996	(15.2%)
Catastrophes	(1,406)	(1,216)	15.6	(3,168)	(2,915)	8.7
Net incurred losses attributable to prior years:						
- Asbestos and environmental <sup>1</sup>	-	-	-	-	-	-
- All other <sup>2</sup>	319	178	79.2	461	231	99.6
Current accident year re-estimation <sup>3</sup>	(143)	-	NM	-	-	-
Pre-tax operating (loss) income before limited	(302)	(212)	42.5	(166)	312	NM
partnerships income						
Limited partnerships (loss) income <sup>4</sup>	(272)	1,000	NM	562	2,792	(79.9)
Pre-tax operating (loss) income	(574)	788	NM	396	3,104	(87.2)
Net realized gains (losses)	53	20	165.0	(762)	83	NM
Unit linked life insurance	17	(7)	NM	137	(95)	NM
Acquisition & integration costs	(23)	(4)	NM	(80)	(13)	NM
Restructuring costs	(5)	(36)	(86.1)	(5)	(147)	(96.6)
Pre-tax (loss) income	(532)	761	NM	(314)	2,932	NM
Income tax (benefit) expense	(179)	39	NM	(117)	584	NM
Consolidated net (loss) income	(353)	722	NM	(197)	2,348	NM
Less: Net income attributable to non- controlling interest	-	1	NM	1	2	(50.0)
Net (loss) income attributable to LMHC	(353)	721	NM	(198)	2,346	NM
Net (loss) income attributable to LMHC excluding unrealized impact <sup>5</sup>	(583)	701	NM	4	2,146	(99.8)
Cash flow provided by continuing operations	\$2,223	\$1,814	22.5%	\$4,012	\$4,681	(14.3%)

1 Asbestos and environmental is gross of the related adverse development reinsurance (the "NICO Reinsurance Transaction", which is described further in Reinsurance).

2 Net of earned premium and reinstatement premium attributable to prior years of \$107 million and \$153 million for the three and nine months ended September 30, 2022, and \$101 million and \$153 million for the same periods in 2021.

3 Re-estimation of the current accident year loss reserves for the six months ended June 30,2022.

4 Limited partnerships income includes LP, LLC and other equity method income within net investment income in the accompanying Consolidated Statement of Operations and revenue and expenses from direct investments in natural resources.

5 Excludes unrealized gains on equity securities, unit linked life insurance, and the corresponding tax impact. NM = Not Meaningful

Limited Partnerships (Loss) Income	Three Months Ended September 30,			Nine Months Ended September 30,			
\$ in Millions	2022	2021	Change	2022	2021	Change	
Limited partnerships (loss) income <sup>1</sup>	(\$270)	\$986	NM	\$570	\$2,805	(79.7%)	
Direct investment in natural resources							
revenues <sup>2</sup>	1	67	(98.5%)	3	134	(97.8%)	
Direct investment in natural resources							
expenses <sup>3</sup>	(3)	(53)	(94.3%)	(11)	(147)	(92.5%)	
Total limited partnerships (loss) income	(\$272)	\$1,000	NM	\$562	\$2,792	(79.9%)	

1 Included within net investment income in the accompanying Consolidated Statements of Operations.

2 Included within fee & other revenues in the accompanying Consolidated Statements of Operations.

3 Included within operating costs and expenses in the accompanying Consolidated Statements of Operations.

Net Investment Income		Three Months Ended September 30,			
\$ in Millions	2022	2021	2022	2021	
Taxable interest income	\$555	\$439	\$1,515	\$1,332	
Tax-exempt interest income	37	35	115	108	
Dividends	9	7	36	26	
Limited partnership (loss) income	(270)	986	570	2,805	
Mortgage loans	40	21	95	62	
Other investment income	4	2	19	7	
Gross investment income	375	1,490	2,350	4,340	
Investment expenses <sup>1</sup>	(94)	(79)	(276)	(228)	
Total net investment income	\$281	\$1,411	\$2,074	\$4,112	

1 Fees paid to external managers are included within the components of gross investment income.

Net Realized Gains (Losses)	Sales &	<b>.</b> . ,	Unrealized Gains	
\$ in Millions Three Months Ended September 30, 2022:	Settlements	Impairments	(Losses)	Total
Fixed maturities	\$16	(\$28)	\$ -	(\$12)
Equities	(36)	-	15	(21)
Derivatives	22	-	15	37
Other	(3)	(21)	73	49
Total	(\$1)	(\$49)	\$103	\$53
Three Months Ended September 30, 2021:				
Fixed maturities	\$96	\$-	\$-	\$96
Equities	(7)	-	7	-
Derivatives	7	-	(3)	4
Other	(4)	(87)	11	(80)
Total	\$92	(\$87)	\$15	\$20

Net Realized (Losses) Gains \$ in Millions	Sales & Settlements	Impairments	Unrealized (Losses) Gains	Total
Nine Months Ended September 30, 2022:				
Fixed maturities	(\$160)	(\$28)	\$-	(\$188)
Equities	(62)	-	(622)	(684)
Derivatives	7	-	28	35
Other	11	(38)	102	75
Total	(\$204)	(\$66)	(\$492)	(\$762)
Nine Months Ended September 30, 2021:				
Fixed maturities	\$283	(\$5)	\$-	\$278
Equities	(7)	-	311	304
Derivatives	64	-	12	76
Other	(3)	(597)	25	(575)
Total	\$337	(\$602)	\$348	\$83

Unrealized Gains (Losses) Related to Equity Securities <sup>1</sup>		ee Months September			Nine Months Ended September 30,		
\$ in Millions	2022	2021	Change	2022	2021	Change	
Net gains (losses) recognized during the period on equity securities	\$88	\$18	NM	(\$520)	\$336	NM	
Less: Net gains (losses) recognized during the period on equity securities sold during the period	41	6	NM	(422)	9	NM	
Unrealized gains (losses) recognized during the reporting period on equity securities still held at the reporting date	\$47	\$12	NM	(\$98)	\$327	NM	

1 Included equities and equity like securities classified as other. NM = Not Meaningful

#### Third Quarter Results:

Pre-tax operating (loss) income before limited partnerships income for the three months ended September 30, 2022 was (\$302) million, an increase of (\$90) million from the same period in 2021. Underlying pre-tax operating income before limited partnerships income was \$928 million, an increase of \$101 million over the same period in 2021. The increase reflects higher earned premium driven by strong topline results in both Global Retail Markets and Global Risk Solutions and higher net investment income excluding limited partnerships income, partially offset by higher non-catastrophe losses in U.S. personal lines and higher expenses driven by investments to support profitable growth and increases in employee related costs in Global Risk Solutions. Including the impact of catastrophes, net incurred losses attributable to prior years, and current accident year re-estimation, the decrease in pre-tax operating income reflects the previously mentioned drivers and higher current year catastrophe losses in the U.S. due to higher frequency that was partially offset by lower severity of events compared to 2021, greater prior year catastrophe reserve releases in Global Retail Markets and favorable prior accident year loss activity in Global Risk Solutions.

Total limited partnership losses, including operating income from direct investments in natural resources, for the three months ended September 30, 2022 was \$272 million, versus income of \$1.000 billion over the same period in 2021. The current period losses reflect less favorable valuations across limited partnership investments, primarily driven by private capital, partially offset by more favorable valuations in energy investments.

Revenues for the three months ended September 30, 2022 were \$12.740 billion, an increase of \$370 million over the same period in 2021. The major components of revenues are net premium earned, net investment income, net realized gains (losses), and fee and other revenues.

Net premium earned for the three months ended September 30, 2022 was \$12.169 billion, an increase of \$1.497 billion over the same period in 2021. The increase primarily reflects the premium earned associated with the changes in NWP previously discussed.

Net investment income including limited partnerships income for the three months ended September 30, 2022 was \$281 million, a decrease of \$1.130 billion from the same period in 2021. The decrease reflects less favorable valuations across the limited partnership investments, primarily driven by private capital, partially offset by more favorable valuations in energy investments and higher income on fixed maturities.

Net realized gains for the three months ended September 30, 2022 were \$53 million, an increase of \$33 million over the same period in 2021. The net realized gains in the current period were primarily driven by \$70 million net change in unrealized gains on energy holding and \$37 million net gains on derivatives, offset by \$28 million impairment of fixed maturities and \$21 million impairment on intangible assets. The prior period was impacted by \$96 million net gains on fixed maturity sales, offset by \$87 million impairments on natural resource investments.

Fee and other revenues for the three months ended September 30, 2022 were \$237 million, a decrease of \$30 million from the same period in 2021. The decrease primarily reflects lower natural resource revenues due to the Independence Energy "ICO" merger transaction that occurred later in 2021.

Claims, benefits and expenses for the three months ended September 30, 2022 were \$13.261 billion, an increase of \$1.699 billion over the same period in 2021. The increase primarily reflects higher U.S. non-catastrophe losses, higher catastrophe losses due to higher frequency, and higher expenses due to employee related costs. Adding to the increase were claims, benefits and expenses related to the SAM and AmGeneral acquisitions. These were partially offset by greater prior year catastrophe reserve releases in the current year in Global Retail Markets and favorable prior accident year loss activity in Global Risk Solutions.

Income tax (benefit) expense on continuing operations for the three months ended September 30, 2022, was (\$179) million, versus \$39 million from the same period in 2021. The Company's effective tax rate for the three months ended September 30, 2022, was 34% compared to 5% for the same period in 2021. The change is primarily due to the disposition of a subsidiary in the prior year.

Net (loss) income attributable to LMHC for the three months ended September 30, 2022 was (\$353) million versus \$721 million for the same period in 2021.

Cash flow provided by continuing operations for the three months ended September 30, 2022 was \$2.223 billion, an increase of \$409 million over the same period in 2021. The increase reflects favorable premium collections partially offset by paid loss activity.

## Year-to-date Results:

Pre-tax operating (loss) income before limited partnerships income for the nine months ended September 30, 2022 was (\$166) million versus \$312 million for the same period in 2021. Underlying pre-tax operating income before limited partnerships income was \$2.541 billion, a decrease of \$455 million from the same period in 2021. The decrease reflects higher non-catastrophe losses in U.S. personal lines and higher variable expenses, partially offset by higher earned premium driven by strong topline results in both Global Retail Markets and Global Risk Solutions and improved current accident year losses in Global Risk Solutions. Including the impact of catastrophes and net incurred losses attributable to prior years, the decrease in pre-tax operating income reflects the previously mentioned drivers and additional catastrophe losses due to the inclusion of SAM catastrophes, partially offset by lower severity as well as greater prior year catastrophe reserve releases in Global Retail Markets.

Total limited partnership income, including operating income from direct investments in natural resources, for the nine months ended September 30, 2022 was \$562 million, a decrease of \$2.230 billion from the same period in 2021. The decrease reflects less favorable valuations across the limited partnership investments, primarily driven by private capital, partially offset by more favorable valuations in energy investments.

Revenues for the nine months ended September 30, 2022 were \$36.829 billion, an increase of \$850 million over the same period in 2021. The major components of revenues are net premium earned, net investment income, net realized gains (losses), and fee and other revenues.

Net premium earned for the nine months ended September 30, 2022 was \$34.808 billion, an increase of \$3.757 billion over the same period in 2021. The increase primarily reflects the premium earned associated with the changes in NWP previously discussed.

Net investment income including limited partnerships income for the nine months ended September 30, 2022 was \$2.074 billion, a decrease of \$2.038 billion from the same period in 2021. The decrease reflects less favorable valuations across the limited partnership investments, primarily driven by private capital partially offset by more favorable valuations in energy investments and higher income on fixed maturities.

Net realized losses for the nine months ended September 30, 2022 were \$762 million, versus net realized gains of \$83 million over the same period in 2021. The net realized losses in the current period were impacted by \$622 million net change in equity unrealized losses and \$160 million net losses on fixed maturity sales, partially offset by \$88 million net change in unrealized gains on energy holdings. The prior period was primarily driven by \$311 million net change in equity unrealized gains, \$283 million of net gains on fixed maturity sales, and \$76 million of net gains on derivatives. These were partially offset by \$597 million of impairments on natural resource investments.

Fee and other revenues for the nine months ended September 30, 2022 were \$709 million, a decrease of \$24 million from the same period in 2021. The decrease primarily reflects lower natural resource revenues due to the Independence Energy "ICO" merger transaction that occurred later in 2021, partially offset by a workers compensation surplus refund from the state of Minnesota.

Claims, benefits and expenses for the nine months ended September 30, 2022 were \$37.195 billion, an increase of \$4.403 billion over the same period in 2021. The increase primarily reflects higher U.S. non-catastrophe losses in Global Retail Markets, claims, benefits, and expenses related to the SAM and AmGeneral acquisitions and higher variable expenses. These were partially offset by favorable current accident year losses in Global Risk Solutions and greater prior year catastrophe reserve releases in current year in Global Retail Markets.

Income tax (benefit) expense on continuing operations for the nine months ended September 30, 2022, was (\$117) million, versus \$584 million from the same period in 2021. The Company's effective tax rate for the nine months ended September 30, 2022, was 37% compared to 20% for the same period in 2021. The change is driven primarily by the tax impact of permanent book/tax differences and non-U.S. operations as compared to the pre-tax income/(loss) in the relevant period.

Net (loss) income attributable to LMHC for the nine months ended September 30, 2022 was (\$198) million versus \$2.346 billion for the same period in 2021.

Cash flow provided by continuing operations for the nine months ended September 30, 2022 was \$4.012 billion, a decrease of \$669 million from the same period in 2021. The decrease reflects unfavorable paid loss activity and expenses paid in Global Retail Markets, partially offset by premium collections.

		e Months En eptember 30		Nine Months Ended September 30,		
CONSOLIDATED	2022	2021	Change (Points)	2022	2021	Change (Points)
Combined ratio						
Claims and claim adjustment expense ratio	67.6%	65.1%	2.5	67.1%	63.4%	3.7
Underwriting expense ratio	27.6	29.5	(1.9)	28.3	29.3	(1.0)
Underlying combined ratio	95.2	94.6	0.6	95.4	92.7	2.7
Catastrophes	11.7	11.5	0.2	9.2	9.5	(0.3)
Net incurred losses attributable to prior years:						
- Asbestos and environmental	-	-	-	-	-	-
- All other <sup>1</sup>	(2.7)	(1.7)	(1.0)	(1.4)	(0.9)	(0.5)
Current accident year re-estimation <sup>2</sup>	1.2	-	1.2	-	-	-
Total combined ratio	105.4%	104.4%	1.0	103.2%	101.3%	1.9

1 Net of earned premium and reinstatement premium attributable to prior years.

2 Re-estimation of the current accident year loss reserves for the six months ended June 30,2022.

## Third Quarter Results:

The consolidated underlying combined ratio for the three months ended September 30, 2022 was 95.2%, an increase of 0.6 points over the same period in 2021. The increase reflects a higher claims and claim adjustment expense ratio due to higher non-catastrophe losses in the U.S., primarily due to personal auto, personal property, and business lines, and higher current year losses in Global Risk Solutions, partially offset by higher earned premium in both Global Retail Markets and Global Risk Solutions.

Including the impact of catastrophes, net incurred losses attributable to prior years, and current accident year reestimation, the total combined ratio for the three months ended September 30, 2022 was 105.4%, an increase of 1.0 points over the same period in 2021. The increase reflects the changes in the underlying combined ratio previously mentioned and current accident year re-estimation in 2022, partially offset by more favorable net incurred losses attributable to prior year driven by the prior year reserve releases discussed above.

#### Year-to-date Results:

The consolidated underlying combined ratio for the nine months ended September 30, 2022 was 95.4%, an increase of 2.7 points over the same period in 2021. The increase reflects an increase in the claims and claim adjustment expense ratio due to higher non-catastrophe losses in the U.S., primarily due to personal auto, personal property and business lines, partially offset by higher earned premium in both Global Retail Markets and Global Risk Solutions and an improved current accident year loss ratio due to rate in excess of loss trend and favorable current accident year losses in Global Risk Solutions.

Including the impact of catastrophes and net incurred losses attributable to prior years, the total combined ratio for the nine months ended September 30, 2022 was 103.2%, an increase of 1.9 points over the same period in 2021. The increase reflects the changes in the underlying combined ratio previously mentioned, partially offset by a lower catastrophe ratio due to higher earned premium and more favorable net incurred losses attributable to prior years driven by the prior year reserve releases discussed above.

## GLOBAL RETAIL MARKETS

#### **Overview – Global Retail Markets**

Global Retail Markets combines the Company's local expertise in growth markets outside the U.S. with strong and scalable U.S. capabilities to take advantage of opportunities to grow its business globally. Global Retail Markets is comprised of four segments: U.S., West, East, and Reinsurance.

U.S. consists of Personal Lines and Business Lines. U.S. Personal Lines sells automobile, homeowners and other types of property and casualty insurance coverage to individuals in the United States. These products are distributed through approximately 1,720 licensed employee sales representatives, 970 licensed telesales counselors, independent agents, third-party producers, online, and sponsored affinity groups. U.S. Business Lines serves small commercial customers through an operating model that combines local underwriting, market knowledge and service with the scale advantages of a national company. Starting in March of this year, U.S. will also include U.S. Personal and Business Lines coverages sold under our newly acquired State Auto brand.

West sells property and casualty, health and life insurance products and services to individuals and businesses in Brazil, the Andes Market (Colombia, Chile, Ecuador) and the Western Europe Market (Spain, Portugal, and Ireland). Private passenger automobile insurance is the single largest line of business.

East sells property and casualty, health and life insurance products and services to individuals and businesses in the Asia Market (Thailand, Singapore, Hong Kong, Vietnam), Malaysia, India, and China. Private passenger automobile insurance is the single largest line of business.

Global Retail Markets Reinsurance consists of certain internal reinsurance programs.

On March 1, 2022, the Company completed the acquisition of SAM, a super-regional insurance holding company headquartered in Columbus, Ohio.

On July 28, 2022, the Company completed its acquisition of Malaysian insurer AmGeneral. Liberty Insurance Berhad and acquired 100% of the shares of AmGeneral, and AmBank Group's share of the sale proceeds were in the form of cash and consideration shares, which resulted in AmBank Group holding a 30% interest in the Liberty Insurance Berhad and AmGeneral businesses. The AmGeneral and Liberty Insurance Berhad operations will, at a subsequent date, be formally merged.

Global Retail Markets NWP by market segment was as follows:

		ee Months E September 3(			ne Months En September 3(	Months Ended otember 30,	
\$ in Millions	2022	2021	Change	2022	2021	Change	
U.S.	\$7,981	\$6,813	17.1%	\$22,604	\$19,264	17.3%	
West	686	681	0.7	1,983	1,895	4.6	
East	380	260	46.2	1,010	906	11.5	
Global Retail Markets Reinsurance	3	3	-	8	17	(52.9)	
Total NWP	\$9,050	\$7,757	16.7%	\$25,605	\$22,082	16.0%	
Foreign exchange effect on growth			(1.1)			(0.8)	
NWP growth excluding foreign exchange <sup>1</sup>			17.8%			16.8%	

1 Determined by assuming constant foreign exchange rates between periods.

Global Retail Markets NWP by line of business was as follows:

		ee Months En September 30		Nine Months Ended September 30,			
\$ in Millions	2022	2021	Change	2022	2021	Change	
Private passenger automobile	\$4,165	\$3,897	6.9%	\$12,270	\$11,274	8.8%	
Homeowners	2,756	2,198	25.4	7,129	5,721	24.6	
Commercial multiple-peril	568	476	19.3	1,653	1,430	15.6	
Commercial automobile	367	262	40.1	1,169	896	30.5	
General Liability	308	246	25.2	890	736	20.9	
Commercial property	182	167	9.0	520	394	32.0	
Workers Compensation	166	130	27.7	484	434	11.5	
Life and health	107	83	28.9	333	337	(1.2)	
Other <sup>1</sup>	431	298	44.6	1,157	860	34.5	
Total NWP	\$9,050	\$7,757	16.7%	\$25,605	\$22,082	16.0%	

1 Premium related to internal reinsurance and other personal and commercial lines including personal accident, bonds, small and medium enterprise, and marine and cargo lines of business.

Third Quarter Results:

NWP for the three months ended September 30, 2022 was \$9.050 billion, an increase of \$1.293 billion over the same period in 2021. This increase was driven by:

- U.S. personal lines driven by an increase in average written premium due to rate actions to offset rising personal lines severity and frequency trends as well as higher retention.
- U.S. business lines driven by an increase in average written premium due to an increase in endorsements and exposure.
- The West region driven by higher results in private passenger auto in Brazil due to rate actions to offset rising severity and frequency trends.
- The East region driven by favorable results in China and India over the same period last year and strong performance across various lines of business in the Asia Market. Adding to the favorability was the acquisition of the Malaysian insurer AmGeneral on July 28, 2022.
- The acquisition of State Auto Mutual on March 1, 2022, which primarily contributes to growth in homeowners, private passenger auto, and commercial auto.

Partially offsetting the premium increase was:

- Targeted underwriting actions across the regions to lower new business growth to address rising severity and frequency trends.
- The impact of foreign exchange as many international currencies weakened versus the U.S. dollar, most notably the euro.

Year-to-date Results:

NWP for the nine months ended September 30, 2022 was \$25.605 billion, an increase of \$3.523 billion over the same period in 2021. This increase was driven by:

- U.S. personal lines driven by an increase in average written premium due to rate actions to offset rising personal lines severity and frequency trends as well as higher retention.
- U.S. business lines driven by an increase in average written premium and the expansion of an existing partnership.
- The West region driven by higher results in private passenger auto in Brazil due to rate actions to offset rising severity and frequency trends and commercial property results in Chile, partially offset by lower private passenger auto results in the Western European Market.
- The East region driven by favorable results from China and India over the same period last year and strong performance across various lines of business in the Asia Market. Adding to the favorability was the acquisition of the Malaysian insurer AmGeneral on July 28, 2022.
- The acquisition of SAM on March 1, 2022, which primarily contributes to growth in homeowners, private passenger auto, and commercial auto.

Partially offsetting the premium increase was:

- Targeted underwriting actions across the regions to lower new business growth to address rising severity and frequency trends.
- The impact of foreign exchange as many international currencies weakened versus the U.S. dollar, most notably the euro and the Chilean peso, partially offset by strengthening of the Brazilian real.

	-	e Months En eptember 30		Nine Months Ended September 30,		
\$ in Millions	2022	2021	Change	2022	2021	Change
Revenues	\$8,805	\$7,588	16.0%	\$25,001	\$22,318	12.0%
Underlying PTOI	\$416	\$537	(22.5)	\$1,133	\$2,197	(48.4)
Catastrophes	(620)	(595)	4.2	(2,053)	(1,963)	4.6
Net incurred losses attributable to prior years	255	162	57.4	434	269	61.3
Current accident year re-estimation <sup>1</sup>	(143)	-	NM	-	-	-
Pre-tax operating (loss) income	(\$92)	\$104	NM	(\$486)	\$503	NM

#### **Results of Operations – Global Retail Markets**

Re-estimation of the current accident year loss reserves for the six months ended June 30,2022. NM = Not Meaningful

Third Quarter Results:

Pre-tax operating (loss) income for the three months ended September 30, 2022 was (\$92) million versus \$104 million for the same period in 2021. Pre-tax operating income before catastrophes, net incurred losses attributable to prior years, and current accident year re-estimation was \$416 million, a decrease of \$121 million from the same period in 2021. The decrease was driven by higher non-catastrophe losses in the U.S. primarily in personal auto due to increased frequency and severity and personal property due to higher severity, partially offset by higher earned premium. Inflationary trends have been a primary driver of the increase in severity in the quarter as auto severity was impacted by higher used car prices and upward pressure on repairable trends, and property was impacted by increasing material and labor costs. Including the impact of catastrophes, net incurred losses attributable to prior years, and current accident year re-estimation, the change in pre-tax operating income was driven by current accident year re-estimation in 2022 due to the inflationary trends listed above that did not occur in the prior year and additional catastrophe losses related to the SAM acquisition. This was partially offset by lower catastrophe severity compared to prior year as well as greater prior year catastrophe reserve releases in the U.S. related to prior accident years that have favorably developed.

Revenues for the three months ended September 30, 2022 were \$8.805 billion, an increase of \$1.217 billion over the same period in 2021. The increase was driven by higher earned premiums due to the topline impacts previously discussed. Adding to the favorability was the additional revenue related to the acquisitions of SAM and AmGeneral in the U.S. and Malaysia, respectively.

Claims, benefits, and expenses for the three months ended September 30, 2022 were \$8.914 billion, an increase of \$1.443 billion over the same period in 2021. The increase was driven primarily by higher U.S. non-catastrophe losses, higher variable expenses in the U.S. due to the increase in topline, and higher employee related costs, primarily driven by claims personnel as we reduce our utilization of independent adjusters. Adding to the increase were the claims, benefits, and expenses related to the acquisitions of SAM and AmGeneral. Partially offsetting the increase were greater 2022 prior year catastrophe reserve releases in the U.S. related to prior accident years that have favorably developed.

#### Year-to-date Results:

Pre-tax operating (loss) income for the nine months ended September 30, 2022 was (\$486) million versus \$503 million for the same period in 2021. Pre-tax operating income before catastrophes, net incurred losses attributable to prior years, and current accident year re-estimation was \$1.133 billion, a decrease of \$1.064 billion from the same period in 2021. The decrease was driven by higher non-catastrophe losses in the U.S. primarily in personal auto due to higher frequency and severity and personal property due to higher severity, partially offset by higher earned premium. Inflationary trends have been a primary driver of the increase in severity as auto severity was impacted by higher used car prices and upward pressure on repairable trends, and property was impacted by increasing material and labor costs. Including the impact of catastrophes net incurred losses attributable to prior years, and current accident year re-estimation, the change in pre-tax loss income was driven by additional catastrophe losses related to the SAM acquisition and higher frequency of catastrophe events in the U.S. compared to the same time period in 2021, partially offset by lower catastrophe severity as well as greater prior year catastrophe reserve releases in the U.S. related to prior accident years that have favorably developed.

Revenues for the nine months ended September 30, 2022 were \$25.001 billion, an increase of \$2.683 billion over the same period in 2021. The increase was driven by higher earned premiums due to the topline impacts previously discussed. Adding to the favorability was the additional revenue related to the acquisitions of SAM and AmGeneral in the U.S. and Malaysia, respectively.

Claims, benefits, and expenses for the nine months ended September 30, 2022 were \$25.615 billion, an increase of \$3.911 billion over the same period in 2021. The increase was driven by higher U.S. non-catastrophe losses, higher variable expenses in the U.S. due to the increase in topline and higher employee related costs, primarily driven by claims personnel as we reduce our utilization of independent adjusters. Adding to the increase were the claims, benefits, and expenses related to the acquisitions of SAM and AmGeneral. Partially offsetting the increase were greater prior year catastrophe reserve releases in the U.S. related to prior accident years that have favorably developed.

		ee Months En September 30		Nine Months Ended September 30,			
GLOBAL RETAIL MARKETS	2022	2021	Change (Points)	2022	2021	Change (Points)	
Combined ratio							
Claims and claim adjustment expense ratio	69.8%	66.4%	3.4	69.4%	63.4%	6.0	
Underwriting expense ratio	26.5	28.4	(1.9)	27.2	28.5	(1.3)	
Underlying combined ratio	96.3	94.8	1.5	96.6	91.9	4.7	
Catastrophes	7.3	8.2	(0.9)	8.5	9.3	(0.8)	
Net incurred losses attributable to prior years	(3.0)	(2.2)	(0.8)	(1.8)	(1.3)	(0.5)	
Current accident year re- estimation <sup>1</sup>	1.7	0.0	1.7	0.0	0.0	-	
Total combined ratio	102.3%	100.8%	1.5	103.3%	99.9%	3.4	

1 Re-estimation of the current accident year loss reserves for the six months ended June 30,2022.

#### Third Quarter Results:

The Global Retail Markets underlying combined ratio for the three months ended September 30, 2022 was 96.3%, an increase of 1.5 points over the same period in 2021. The increase was driven by an increase in the claims and claim adjustment expense ratio due to higher U.S. non-catastrophe losses in private passenger auto, personal property, and business lines. The increase in the claims and claim adjustment expense ratio was partially offset by a decrease in the underwriting expense ratio, primarily driven by earned premium growth from rate driven actions and disciplined expense management.

Including the impact of catastrophes, net incurred losses attributable to prior years, and current accident year reestimation, the total combined ratio for the three months ended September 30, 2022 was 102.3%, an increase of 1.5 points over the same period in 2021. The increase was driven by the previously mentioned increase in the underlying combined ratio and current accident year re-estimation in 2022 related to the inflationary trends listed above that did not occur in the prior year. Partially offsetting the increase were more favorable net incurred losses attributable to prior years driven by the prior year reserve releases discussed above.

#### Year-to-date Results:

The Global Retail Markets underlying combined ratio for the nine months ended September 30, 2022 was 96.6%, an increase of 4.7 points over the same period in 2021. The increase was driven by an increase in the claims and claim adjustment expense ratio due to higher U.S. non-catastrophe losses in private passenger auto, personal property, and business lines. The increase in the claims and claim adjustment expense ratio was partially offset by a decrease in the underwriting expense ratio, primarily driven by earned premium growth from rate driven actions and disciplined expense management.

Including the impact of catastrophes and net incurred losses attributable to prior years, the total combined ratio for the nine months ended September 30, 2022 was 103.3%, an increase of 3.4 points over the same period in 2021. The increase was driven by the previously mentioned increase in the underlying combined ratio. Partially offsetting the increase were more favorable net incurred losses attributable to prior years driven by the prior year reserve releases discussed above.

## **GLOBAL RISK SOLUTIONS**

#### **Overview – Global Risk Solutions**

Global Risk Solutions ("GRS") offers a wide array of property, casualty, specialty and reinsurance products and services distributed through brokers and independent agents globally. The segments for Global Risk Solutions are as follows:

- Liberty Specialty Markets ("LSM") Includes most Global Risk Solutions business outside of North America excluding Liberty Mutual Reinsurance ("LM Re").
- LM Re sells insurance for (Re)/insurers to transfer risk away from (Re)/insurance companies.
- North America ("NA") North America includes admitted and non-admitted property and casualty.
- Global Surety A global leader providing surety guarantees to businesses ranging from multinational to local in most industry segments.
- Other Global Risk Solutions primarily consists of internal reinsurance programs, Ironshore international entities and a large global inland marine program.

Effective July 1, 2022, LM Re became a fourth segment of GRS, alongside NA, LSM and Global Surety. Previously, the business was embedded within LSM. LM Re will allow GRS to capitalize on the relative value and capital optimization between insurance and reinsurance, and strategically increase our reinsurance profile.

		e Months E eptember 3		Nine Months Ended September 30,		
\$ in Millions	2022	2021	Change	2022	2021	Change
North America	\$1,879	\$1,842	2.0%	\$5,114	\$4,537	12.7%
Liberty Specialty Markets	924	925	(0.1)	2,708	2,805	(3.5)
Liberty Mutual Reinsurance	582	580	0.3	2,109	2,058	2.5
Global Surety	329	286	15.0	988	856	15.4
Other Global Risk Solutions	288	201	43.3	751	515	45.8
Total NWP	\$4,002	\$3,834	4.4%	\$11,670	\$10,771	8.3%
Foreign exchange effect on growth			(2.3)			(1.8)
NWP growth excluding foreign exchange <sup>1</sup>			6.7%			10.1%

Global Risk Solutions NWP by market segment was as follows:

1 Determined by assuming constant foreign exchange rates between periods.

Global Risk Solutions NWP by line of business was as follows:

		ee Months En September 30		Nine Months Ended September 30,			
\$ in Millions	2022	2021	Change	2022	2021	Change	
Specialty insurance <sup>1</sup>	\$986	\$1,031	(4.4%)	\$3,110	\$3,106	0.1%	
Reinsurance	588	583	0.9	2,115	2,060	2.7	
Casualty <sup>2</sup>	616	748	(17.6)	1,610	1,607	0.2	
Commercial property	624	495	26.1	1,446	1,281	12.9	
Surety	337	292	15.4	1,015	880	15.3	
Workers Compensation	345	287	20.2	993	811	22.4	
Commercial automobile	181	161	12.4	538	431	24.8	
Inland marine <sup>3</sup>	148	144	2.8	444	426	4.2	
Other reinsurance	140	54	159.3	309	75	NM	
Commercial multiple-peril	37	39	(5.1)	90	94	(4.3)	
Total NWP	\$4,002	\$3,834	4.4%	\$11,670	\$10,771	8.3%	

- 1 Includes marine, energy, construction, aviation, warranty and indemnity, directors and officers, errors and omissions, trade credit, contingent lines and other.
- 2 Primarily includes general liability, excess & umbrella and environmental lines of business.
- 3 Includes handset protection coverage for lost or damaged wireless devices. NM = Not Meaningful

## Third Quarter Results:

NWP for the three months ended September 30, 2022, was \$4.002 billion, an increase of \$168 million over the same period in 2021.

The increase was driven by:

- Renewal rate increases across most lines of business, totaling 6%;
- Growth in lines with inflation-sensitive exposure bases and premium audits;
- Project based business impacting surety lines;

Partially offset by:

- Higher cessions due to reinsurance program changes resulting in more coverage being purchased as well as higher volume on direct written business;
- Lower casualty premium due to the execution of a loss portfolio transfer for an existing policyholder in 2021 that did not recur;
- De-risking of the portfolio in unprofitable and economically challenging products

Additionally, internal reinsurance changes in 2022 created offsetting differences amongst segments and lines.

Year-to-date Results:

NWP for the nine months ended September 30, 2022, was \$11.670 billion, an increase of \$899 million over the same period in 2021.

The increase was driven by:

- Renewal rate increases across most lines of business, totaling 8%;
- Increase in retention of three points driven by areas with improved underwriting;
- Growth in lines with inflation-sensitive exposure bases and premium audits;
- Project based business impacting casualty and surety lines;
- A higher renewable premium base than prior year;

Partially offset by:

- Higher cessions due to reinsurance program changes resulting in more coverage being purchased as well as higher volume on direct written business;
- Lower casualty premium due to the execution of a loss portfolio transfer for an existing policyholder in 2021 that did not recur;
- De-risking of the portfolio in unprofitable and economically challenging products

Additionally, internal reinsurance changes in 2022 created offsetting differences amongst segments and lines.

### **Results of Operations – Global Risk Solutions**

		ee Months En September 30,		Nine Months Ended September 30,		
\$ in Millions	2022	2021	Change	2022	2021	Change
Revenues	\$4,140	\$3,858	7.3%	\$11,829	\$11,056	7.0%
Underlying PTOI	527	554	(4.9)	1,608	1,502	7.1
Catastrophes	(857)	(823)	4.1	(1,211)	(1,182)	2.5
Net incurred losses attributable to prior years <sup>1</sup>	78	(1)	NM	(9)	18	NM
Pre-tax operating (loss)/income	(\$252)	(\$270)	(6.7%)	\$388	\$338	14.8%

1 Net of earned premium and reinstatement premium attributable to prior years of \$107 million and \$153 million for the three and nine months ended September 30, 2022, and \$101 million and \$153 million for the same period in 2021. NM = Not Meaningful

#### Third Quarter Results:

Pre-tax operating loss for the three months ended September 30, 2022 was (\$252) million, a decrease of \$18 million from the same period in 2021. Underlying pre-tax operating income for the three months ended September 30, 2022 was \$527 million, a decrease of \$27 million from the same period in 2021. The decrease reflects higher expenses driven by investments to support profitable growth and increases in employee related costs, higher current year losses and lower net investment income partially offset by profit margin on higher earned premium. Including the impact of catastrophes and net incurred losses attributable to prior years, the change in pre-tax operating loss was driven by favorable prior accident year loss activity partially offset by higher current accident year catastrophe losses due to Hurricane Ian in 2022 versus Hurricane Ida and the German Floods in 2021.

Revenues for the three months ended September 30, 2022 were \$4.140 billion, an increase of \$282 million over the same period in 2021. The increase primarily reflects premium earned associated with the changes in NWP previously discussed partially offset by lower net investment income.

Claims, benefits and expenses for the three months ended September 30, 2022 were \$4.392 billion, an increase of \$263 million over the same period in 2021. The increase reflects higher losses due to growth, higher expenses driven by investments to support profitable growth and increases in employee related costs as well as higher current year catastrophe losses due to Hurricane Ian in 2022 versus Hurricane Ida and the German Floods in 2021. This is partially offset by favorable prior accident year loss activity.

#### Year-to-date Results:

Pre-tax operating income for the nine months ended September 30, 2022 was \$388 million, an increase of \$50 million over the same period in 2021. Underlying pre-tax operating income for the nine months ended September 30, 2022 was \$1.608 billion, an increase of \$106 million over the same period in 2021. The increase reflects an improved current accident year loss ratio due to rate in excess of loss trend, favorable current accident year losses, profit margin on higher earned premium and a workers compensation surplus refund from the state of Minnesota. The increase was partially offset by higher expenses driven by investments to support profitable growth and increases in employee related costs as well as lower net investment income. Including the impact of catastrophes and net incurred losses attributable to prior years, the change in pre-tax operating income was due to higher current year catastrophe losses.

Revenues for the nine months ended September 30, 2022 was \$11.829 billion, an increase of \$773 million over the same period in 2021. The increase primarily reflects premium earned associated with the changes in NWP previously discussed and a workers compensation surplus refund from the state of Minnesota partially offset by lower net investment income.

Claims, benefits and expenses for the nine months ended September 30, 2022 was \$11.454 billion, an increase of \$741 million over the same period in 2021. The increase reflects higher losses due to growth, unfavorable current year catastrophe losses and higher expenses driven by investments to support profitable growth and increases in employee

		e Months En eptember 30		Nine Months Ended September 30,			
GLOBAL RISK SOLUTIONS	2022	2021	Change (Points)	2022	2021	Change (Points)	
Combined Ratio							
Claims and claim adjustment expense ratio	61.6%	61.1%	0.5	61.2%	62.2%	(1.0)	
Underwriting expense ratio	29.8	29.6	0.2	29.7	29.7	-	
Dividend ratio	0.1	0.1	-	0.1	0.1	-	
Underlying combined ratio	91.5	90.8	0.7	91.0	92.0	(1.0)	
Catastrophes	23.4	24.4	(1.0)	11.3	12.0	(0.7)	
Net incurred losses attributable to prior years <sup>1</sup>	(2.7)	(0.7)	(2.0)	-	(0.4)	0.4	
Total combined ratio	112.2%	114.5%	(2.3)	102.3%	103.6%	(1.3)	

related costs. This is partially offset by an improved current accident year loss ratio due to rate in excess of loss trend and favorable current accident year losses.

1 Net of earned premium and reinstatement premium attributable to prior years.

## Third Quarter Results:

The Global Risk Solutions underlying combined ratio for the three months ended September 30, 2022 was 91.5%, an increase of 0.7 points over the same period in 2021. The increase in the claims and claim adjustment expense ratio was primarily driven by higher current year losses. The increase in the underwriting expense ratio was primarily driven by higher expenses due to investments to support profitable growth and increases in employee related costs partially offset by higher earned premium.

Including the impact of catastrophes and net incurred losses attributable to prior years, the total combined ratio for the three months ended September 30, 2022 was 112.2%, a decrease of 2.3 points from the same period in 2021. The decrease was driven by favorable prior accident year loss activity as well as a lower catastrophe ratio due to higher earned premium.

#### Year-to-date Results:

The Global Risk Solutions underlying combined ratio for the nine months ended September 30, 2022 was 91.0%, a decrease of 1.0 point from the same period in 2021. The decrease in the claims and claim adjustment expense ratio was primarily driven by an improved current accident year loss ratio due to rate in excess of loss trend and favorable current accident year losses. The underwriting expense ratio was flat versus prior year primarily driven by higher earned premium offset by higher expenses due to investments to support profitable growth and increases in employee related costs.

Including the impact of catastrophes and net incurred losses attributable to prior years, the total combined ratio for the nine months ended September 30, 2022 was 102.3%, a decrease of 1.3 points from the same period in 2021. The decrease was driven by the underlying combined ratio drivers mentioned above and a lower catastrophe ratio due to higher earned premium.

# **CORPORATE AND OTHER**

#### **Overview** – Corporate and Other

Corporate and Other includes the following significant items:

- Certain internal discontinued operations, which comprises: the run-off of certain commercial lines business, the
  run-off of the California workers compensation business of Golden Eagle Insurance Corporation and certain
  distribution channels related to Prudential Property and Casualty Insurance Company, Prudential General
  Insurance Company and Prudential Commercial Insurance Company (together, "PruPac") and Liberty Re annuity
  business.
- Cessions related to certain retroactive reinsurance agreements, including the NICO Reinsurance Transaction and NICO Casualty Reinsurance Transaction, which are described further in "Reinsurance".
- Effective January 1, 2015, Corporate began assuming certain pre-2014 voluntary and involuntary workers compensation claims from the businesses. The covered business materially aligns with the workers compensation business covered by the retroactive reinsurance agreement defined as the NICO Reinsurance Transaction, which is described further in "Reinsurance".
- Effective January 1, 2019, Corporate began assuming certain U.S. workers compensation, commercial auto, and general liability claims from the businesses. The covered business materially aligns with the casualty business covered by the retroactive reinsurance agreement defined as the NICO Casualty Reinsurance Transaction, which is described further in "Reinsurance," with two notable differences: 1) the internal treaty attaches at held reserves at inception and does not include a loss corridor, and 2) the internal treaty includes umbrella claims related to Business Lines within Global Retail Markets.
- Effective September 30, 2020, Corporate began assuming certain pre-2018 construction defect liabilities from Global Risk Solutions.
- Reserve changes on certain other casualty and property lines of business.
- Interest expense on the Company's outstanding debt.
- Certain risks of its businesses that the Company reinsures as part of its risk management program and pre-2019 and post-2020 risks on U.S. homeowners business covered by externally ceded homeowners' quota share reinsurance treaties.
- The Company reports its written premium on workers compensation contracts on the "booked as billed" method. The businesses report workers compensation written premium on the "booked at inception" method. Corporate and Other results reflect the difference between these two methods.
- Costs associated with certain long-term compensation plans and other corporate costs not fully allocated to the businesses.
- Property and casualty operations' investment income is allocated to the businesses based on planned ordinary investment income returns by investment category. The difference between allocated net investment income and actual net investment income is included in Corporate and Other.
- Investment-related realized gains (losses) and real estate impairments.
- Income related to limited partnership investments.
- Fee and other revenues include revenues from certain non-insurance subsidiaries, including Liberty Energy, Liberty Metals and Mining and Liberty Mutual Agriculture and Timber. These subsidiaries generate revenue from the production and sale of oil, gas, and other natural resources and related limited partnership investments.

Corporate and Other NWP by line of business was as follows:

		ree Months En September 30,		Nine Months Ended September 30,			
\$ in Millions	2022	2021	Change	2022	2021	Change	
Reinsurance, net	(\$425)	(\$193)	120.2%	(\$588)	(\$205)	186.8%	
Workers compensation <sup>1</sup>	(12)	7	NM	16	7	128.6	
Other	-	-	-	-	(4)	NM	
Total NWP	(\$437)	(\$186)	134.9%	(\$572)	(\$202)	183.2%	

1 Booked as billed adjustment.

NM = Not Meaningful

Third Quarter Results:

NWP for the three months ended September 30, 2022 was (\$437) million, an increase of \$251 million over the same period in 2021. The increase is driven by higher ceded on external reinsurance treaties, partially offset by the workers compensation booked as billed adjustment.

Year-to-date Results:

NWP for the nine months ended September 30, 2022 was (\$572) million, an increase of \$370 million over the same period in 2021. The increase is driven by higher ceded on external reinsurance treaties.

	Three Months Ended September 30,			Nine Months Ended September 30,		
\$ in Millions	2022	2021	Change	2022	2021	Change
Revenues	(\$205)	\$924	NM	(1)	\$2,605	(100.0)
Underlying pre-tax operating loss						
before limited partnerships income	(15)	(267)	(94.4)	(200)	(704)	(71.6)
Catastrophes	71	204	(65.2)	96	231	(58.4)
Net incurred losses attributable to						
prior years:						
-Asbestos and environmental <sup>1</sup>	-	-	-	-	-	-
-All other <sup>1,2</sup>	(14)	17	NM	36	(56)	NM
Pre-tax operating income (loss) before						
limited partnerships income	42	(46)	NM	(68)	(529)	(87.1)
Limited partnership income <sup>3</sup>	(272)	1,000	NM	562	2,792	(79.9)
Pre-tax operating (loss) income	(\$230)	\$954	NM	\$494	\$2,263	(78.2%)

#### **Results of Operations – Corporate and Other**

1 Asbestos and environmental is gross of the NICO Reinsurance Transaction, which is described further in "Reinsurance".

2 Net of earned premium attributable to prior years of zero for the three and nine months ended September 30, 2021 and 2020.

3 Partnerships, LLC and other equity method income includes LP, LLC and other equity method income within net investment income in the accompanying Consolidated Statements of Operations and revenue and expenses from direct investments in natural resources. NM = Not Meaningful

Third Quarter Results:

Pre-tax operating (loss) income for the three months ended September 30, 2022 was (\$230) million versus \$954 million for the same period in 2021. Underlying pre-tax operating (loss) before limited partnerships income was (\$15) million, a decrease of \$252 million from the same period in 2021. The decrease in loss was driven by higher net investment income and lower employee related costs. Including the impact of catastrophes, net incurred losses attributable to prior years, and limited partnerships income, the decrease in pre-tax operating income is primarily driven by lower limited partnerships income and lower recoveries on catastrophes.

Revenues for the three months ended September 30, 2022 were (\$205) million versus \$924 million for the same period in 2021. The major components of revenues are net premium earned, net investment income (including limited partnerships income), net realized gains (losses), and fee and other revenues.

Net premium earned for the three months ended September 30, 2022 was (\$170) million, an increase of \$64 million over the same period in 2021. The increase primarily reflects the reinsurance earnings impact on external ceded placements.

Net investment income including limited partnerships income for the three months ended September 30, 2022 was (\$129) million versus \$946 million for the same period in 2021. The decrease reflects less favorable valuations across the limited partnership investments, primarily driven by private capital, partially offset by more favorable valuations in energy investments and higher income on fixed maturities.

Net realized gains for the three months ended September 30, 2022 were \$70 million, an increase of \$62 million over the same period in 2021. The net realized gains in the current period were primarily driven by \$70 million net change in unrealized gains on an energy holding and \$37 million net gains on derivatives, offset by \$28 million impairment of fixed maturities. The prior period was impacted by \$96 million net gains on fixed maturity sales, offset by \$87 million impairments on natural resource investments.

Fee and other revenues for the three months ended September 30, 2022 were \$24 million, a decrease of \$52 million from the same period in 2021. The decrease was primarily driven by lower natural resource revenues due to the Independence Energy "ICO" merger transaction that occurred later in 2021.

Claims, benefits, and expenses for the three months ended September 30, 2022 were (\$45) million, an increase of \$7 million over the same period in 2021.

#### Year-to-date Results:

Pre-tax operating income for the nine months ended September 30, 2022 was \$494 million, a decrease of \$1.769 billion from the same period in 2021. Underlying pre-tax operating loss before limited partnerships income was \$200 million, a decrease of \$504 million from the same period in 2021. The decrease was driven by higher net investment income and lower employee related costs. Including the impact of catastrophes, net incurred losses attributable to prior years, and limited partnerships income, the decrease in pre-tax operating income is primarily driven by lower limited partnerships income, partially offset by favorable incurred losses attributable to prior years in the current period versus unfavorable in the prior period, specifically due to strengthening of casualty run-off reserves in 2021 that did not recur in 2022.

Revenues for the nine months ended September 30, 2022 was (\$1) versus \$2.605 billion for the same period in 2021. The major components of revenues are net premium earned, net investment income (including limited partnerships income), net realized gains, and fee and other revenues.

Net premium earned for the nine months ended September 30, 2022 was (\$280) million, an increase of \$39 million over the same period in 2021. The increase primarily reflects the reinsurance earnings impact on external ceded placements.

Net investment income including limited partnerships income for the nine months ended September 30, 2022 was \$861 million, a decrease of \$1.856 billion from the same period in 2021. The decrease reflects less favorable valuations across the limited partnership investments, primarily driven by private capital, partially offset by more favorable valuations in energy investments and higher income on fixed maturities.

Net realized losses for the nine months ended September 30, 2022 were \$621 million, an increase of \$588 million over the same period in 2021. The net realized losses in the current period were impacted by \$622 million net change in equity unrealized losses and \$160 million net losses on fixed maturity sales, partially offset by \$88 million net change in unrealized gains on energy holdings. The prior period was primarily driven by \$311 million net change in

equity unrealized gains, \$283 million of net gains on fixed maturity sales, and \$76 million of net gains on derivatives. These were partially offset by \$597 million of impairments on natural resource investments.

Fee and other revenues for the nine months ended September 30, 2022 were \$39 million, a decrease of \$123 million from the same period in 2021. The decrease was primarily driven by lower natural resource revenues due to the Independence Energy "ICO" merger transaction that occurred later in 2021.

Claims, benefits, and expenses for the nine months ended September 30, 2022 were \$126 million, a decrease of \$249 million from the same period in 2021. The decrease primarily reflects lower employee related costs, as mentioned previously, partially offset by lower reinsurance recoveries related to catastrophe losses.

## **INVESTMENTS**

#### General

The Company's investment strategy seeks long-term returns through disciplined security selection, portfolio diversity and an integrated approach to risk management. The Company selects and monitors investments to balance the goals of safety, stability, liquidity, growth, and after-tax total return with its need to comply with regulatory investment requirements. A relatively safe and stable income stream is achieved by maintaining a broadly-based portfolio of investment grade bonds. These holdings are supplemented by investments in additional asset types with the objective of further enhancing the portfolio's diversification and expected returns. These additional asset types include commercial mortgages and other real estate financing investments, non-investment grade bonds, including leveraged loans, common and preferred stock, private equity, and direct investments in natural resource ventures. Risk management is accomplished through asset liability management (including both interest rate risk and foreign currency risk), diversification, credit limits and a careful analytical review of each investment decision.

The Company's investment policy and strategy are reviewed and approved by the Investment Committee of its Board of Directors, which meets on a regular basis to review and consider investment activities, tactics, and new investment classes. In addition, the Company predominantly uses a subsidiary investment advisor for managing and administering the investment portfolios of its domestic and foreign insurance operations.

## Invested Assets (including cash and cash equivalents)

The following table summarizes the Company's invested assets by asset category as of September 30, 2022 and December 31, 2021:

Invested Assets by Type	As of Septem	As of September 30, 2022		ıber 31, 2021
\$ in Millions	Carrying Value	% of Total	Carrying Value	% of Total
Fixed maturities, available for sale, at fair value	\$65,246	67.3%	\$73,106	70.8%
Equity securities	1,694	1.7	3,034	2.9
Limited partnership investments	12,161	12.5	11,134	10.8
Mortgage loans	3,582	3.7	2,659	2.6
Short-term investments	447	0.5	218	0.2
Other investments	2,819	2.9	2,267	2.3
Cash and cash equivalents	11,027	11.4	10,777	10.4
Total invested assets	\$96,976	100.0%	\$103,195	100.0%

Total invested assets as of September 30, 2022 were \$96.976 billion, a decrease of \$6.219 billion or 6.0% from December 31, 2021. The decrease was primarily related to a decrease in fixed maturities and equity securities, partially offset by an increase in limited partnership investments and mortgage loans.

Fixed maturities as of September 30, 2022 were \$65.246 billion, a decrease of \$7.860 billion or 10.8% from December 31, 2021. The decrease was primarily driven by the unfavorable impact of the increase in treasury rates. As of September 30, 2022, included in fixed maturities are commitments to purchase various residential mortgage-backed securities at a cost and fair value of \$50 million and \$47 million, respectively.

Equity securities as of September 30, 2022 were \$1.694 billion (\$1.693 billion common stock and \$1 million preferred stock) versus \$3.034 billion as of December 31, 2021 (\$3.023 billion common stock and \$11 million preferred stock), a decrease of \$1.340 billion or 44.2% from December 31, 2021. Of the \$1.693 billion of common stock at September 30, 2022, \$564 million relates to securities associated with non-guaranteed unit linked life insurance where the policyholder bears the investment risk. The decrease in total equity securities is primarily due to the sale of equity ETFs.

The following table summarizes the Company's limited partnership investments as of September 30, 2022 and December 31, 2021:

Limited partnership investments	As of Septem	ber 30, 2022	As of December 31, 2021		
\$ in Millions	Carrying Value	% of Total	Carrying Value	% of Total	
Traditional private equity	\$5,380	44.2%	\$5,535	49.8%	
Real estate	2,891	23.8	2,065	18.5	
Private credit	1,461	12.0	1,237	11.1	
Natural resources – Energy	885	7.3	794	7.1	
Natural resources – Other <sup>1</sup>	966	7.9	873	7.8	
Other	578	4.8	630	5.7	
Total limited partnership investments <sup>2</sup>	\$12,161	100%	\$11,134	100.0%	

Included in Natural Resources – Other is \$9 million of investments in metals & mining as of September 30, 2022 and December 31, 2021, \$23 million and \$132 million of investments in agriculture and timber as of September 30, 2022 and December 31, 2021 respectively, and \$934 million and \$732 million of investments in energy transition and infrastructure as of September 30, 2022 and December 31, 2021, respectively.

2 Included in total limited partnership investments are \$549 million and \$614 million of limited partnership investments where the Company has elected fair value option of as of September 30, 2022 and December 31, 2021, respectively.

Mortgage loans as of September 30, 2022 were \$3.582 billion (net of \$2 million of loan loss reserves or 0.1% of the outstanding loan portfolio), an increase of \$923 million or 34.7% over December 31, 2021. The increase is primarily driven by \$1.533 billion in funding partially offset by \$610 million in principal reductions. The entire mortgage loan portfolio is U.S.-based. The number of loans in the portfolio decreased from 3,285 at December 31, 2021 to 2,846 at September 30, 2022.

Cash and cash equivalents as of September 30, 2022 were \$11.027 billion, an increase of \$250 million or 2.3% from December 31, 2021. The increase primarily reflects an increase in cash from operations offset by a decrease in cash from investing activities.

The following tables summarize the Company's available for sale portfolio by security type as of September 30, 2022 and December 31, 2021:

	As of September 30, 2022						
\$ in Millions	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value			
U.S. government and agency securities	\$8,843	\$-	(\$833)	\$8,010			
Residential MBS <sup>1</sup>	6,588	2	(675)	5,915			
Commercial MBS	4,515	10	(326)	4,199			
Other MBS and ABS <sup>2</sup>	4,956	-	(415)	4,541			
U.S. state and municipal	8,112	12	(758)	7,366			
Corporate and other	34,482	21	(4,269)	30,234			
Foreign government securities	5,347	24	(430)	4,941			
Redeemable Preferred Stock	40	-	-	40			
Total securities available for sale	\$72,883	\$69	(\$7,706)	\$65,246			

Mortgage-backed securities ("MBS") Asset-backed securities ("ABS") 1 2

		As of Decemb	oer 31, 2021	
\$ in Millions	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
U.S. government and agency securities	\$11,421	\$78	(\$43)	\$11,456
Residential MBS	5,287	100	(19)	5,368
Commercial MBS	4,045	190	(19)	4,216
Other MBS and ABS	5,535	49	(33)	5,551
U.S. state and municipal	8,255	537	(12)	8,780
Corporate and other	31,986	847	(197)	32,636
Foreign government securities	5,051	132	(84)	5,099
Total securities available for sale	\$71,580	\$1,933	(\$407)	\$73,106

The following table summarizes the Company's mortgage and asset-backed fixed maturity portfolio by credit quality as of September 30, 2022:

Mortgage & Asset-Backed Fixed Maturities by Credit Ouality <sup>1</sup>			Δ	s of Senten	1ber 30, 202	77		
\$ in Millions	AAA	AA	A	BBB	BB	B or Lower	Total	% of Total
Residential MBS	\$5,913	\$-	\$-	\$-	\$-	\$2	\$5,915	40.4%
Commercial MBS	3,198	604	223	68	106	-	4,199	28.7
Other MBS and ABS	2,145	668	847	586	244	51	4,541	30.9
Total	\$11,256	\$1,272	\$1,070	\$654	\$350	\$53	\$14,655	100.0%
% of Total	76.8%	8.7%	7.3%	4.4%	2.4%	0.4%	100.0%	

1 For purposes of this disclosure, credit quality is primarily based upon average credit ratings.

Approximately 63.0% of the Company's mortgage and asset-backed fixed maturity portfolio is explicitly backed by the U.S. government (SBA and GNMA) or by government-sponsored entities (FNMA and FHLMC). Approximately 76.8% of the holdings are rated AAA. Included in the commercial mortgage-backed securities at September 30, 2022, were \$3,271 billion in Agency CMBS and \$928 million Non-agency CMBS. Included in the Other MBS and ABS at September 30, 2022 were \$296 million AAA rated SBA Loans. The commercial mortgage-backed securities portfolio is well diversified and of high quality with approximately 76.2% rated AAA.

The following table summarizes the Company's U.S. state and municipal fixed maturity portfolio of securities which are obligations of states, municipalities, and political subdivisions (collectively referred to as U.S. state and municipal bonds) by credit quality as of September 30, 2022 and December 31, 2021:

U.S. State and Municipal by Credit Quality <sup>1</sup>	As of September 30, 2022			As of December 31, 2021			
\$ in Millions	Fair Value	% of Total	Average Credit Rating	Fair Value	% of Total	Average Credit Rating	
State general obligation	\$1,549	21.0%	AA	\$1,969	22.4%	AA	
Local general obligation	1,375	18.7	AA	1,735	19.8	AA	
Revenue	4,292	58.3	А	4,971	56.6	А	
Pre-refunded	150	2.0	AAA	105	1.2	AAA	
Total U.S. state and municipal	\$7,366	100%	AA	\$8,780	100.0%	AA	

1 For purposes of this disclosure, credit quality is primarily based upon average credit ratings.

The municipal bond portfolio (taxable and tax-exempt) includes general obligation and revenue bonds issued by states, cities, counties, school districts, hospitals, educational institutions, and similar issuers. Included in the municipal bond portfolio at September 30, 2022 and December 31, 2021 were \$150 million and \$105 million, respectively, of prerefunded bonds, which are bonds for which states or municipalities have established irrevocable trusts, which were created to satisfy their responsibility for payments of principal and interest.

Fixed Maturities by Credit Quality <sup>1</sup>	As of Septem	ber 30, 2022	As of December 31, 2021		
\$ in Millions	Fair Value	% of Total	Fair Value	% of Total	
AAA	\$21,763	33.4%	\$25,739	35.2%	
AA+, AA, AA-	8,383	12.8	9,168	12.5	
A+, A, A-	14,977	23.0	16,754	22.9	
BBB+, BBB, BBB-	14,874	22.8	15,992	21.9	
Total investment grade	59,997	92.0	67,653	92.5	
BB+, BB, BB-	2,596	3.9	2,869	3.9	
B+, B, B-	2,252	3.5	2,216	3.0	
CCC or lower	267	0.4	237	0.4	
Unrated <sup>2</sup>	134	0.2	131	0.2	
Total below-investment grade	5,249	8.0	5,453	7.5	
Total fixed maturities	\$65,246	100.00%	\$73,106	100.0%	

The following table summarizes the Company's allocation of fixed maturities by credit quality as of September 30, 2022 and December 31, 2021:

1 For purposes of this disclosure, credit quality is primarily based upon average credit ratings.

2 Includes externally managed convertible securities, redeemable preferred stock, and bank loans acquired as part of the Ironshore acquisition.

The Company's holdings of below investment grade securities primarily consist of an actively managed diversified portfolio of high yield securities and leveraged loans within the domestic insurance portfolios and investments in emerging market sovereign and corporate debt primarily in support of the Company's international insurance operations. Overall, the average credit quality rating stands at A+ as of September 30, 2022.

The following table summarizes available for sale fixed maturity securities by contractual maturity at September 30, 2022 and December 31, 2021. Actual maturities may differ from contractual maturities because certain securities may be called or prepaid with or without call or prepayment penalties. Due to the potential for prepayment on MBS and ABS, they are not categorized by contractual maturity.

Fixed Maturity by Maturity Date	As of Septem	ber 30, 2022	As of December 31, 2021		
\$ in Millions	Fair Value	% of Total	Fair Value	% of Total	
One year or less	\$2,024	3.0%	\$3,888	5.3%	
Over one year through five years	21,384	32.8	25,658	35.1	
Over five years through ten years	19,190	29.4	19,803	27.1	
Over ten years	7,993	12.3	8,622	11.8	
MBS and ABS	14,655	22.5	15,135	20.7	
Total fixed maturities	\$65,246	100.0%	\$73,106	100.0%	

During 2022, after taking into consideration changes in investment opportunities and its view of the current and prospective business and economic environment, the Company has made only minor adjustments to the average duration of its investment portfolio. The average duration of the investment portfolio as of September 30, 2022 was 4.3 years.

The following tables summarize the Company's gross unrealized losses and fair value of fixed income securities by the length of time that individual securities have been in a continuous unrealized loss position as of September 30, 2022 and December 31, 2021 that are not deemed to be other-than-temporarily impaired:

	As of September 30, 2022					
\$ in Millions	Less Tha	n 12 Months	12 Months or Longer			
Unrealized Losses & Fair Value by Security Type	Unrealized Losses	Fair Value of Investments with Unrealized Losses	Unrealized Losses	Fair Value of Investments with Unrealized Losses		
U.S. Government and agency securities	(\$732)	\$7,172	(\$100)	\$811		
Residential MBS	(499)	4,756	(176)	1,093		
Commercial MBS	(271)	3,808	(55)	302		
Other MBS and ABS	(231)	2,806	(184)	1,729		
U.S. state and municipal	(661)	6,496	(97)	534		
Corporate and other	(3,087)	23,724	(1,183)	5,362		
Foreign government securities	(196)	2,748	(234)	1,623		
Total securities available for sale	(\$5,677)	\$51,510	(\$2,029)	\$11,454		

	As of December 31, 2021				
\$ in Millions	Less Tha	n 12 Months	12 Months or Longer		
Unrealized Losses & Fair Value by Security Type	Unrealized Losses	Fair Value of Investments with Unrealized Losses	Unrealized Losses	Fair Value of Investments with Unrealized Losses	
U.S. Government and agency securities	(\$32)	\$6,373	(\$11)	\$326	
Residential MBS	(16)	1,755	(3)	126	
Commercial MBS	(5)	431	(14)	152	
Other MBS and ABS	(20)	2,993	(13)	95	
U.S. state and municipal	(11)	916	(1)	29	
Corporate and other	(143)	9,264	(54)	1,111	
Foreign government securities	(55)	1,978	(29)	453	
Total securities available for sale	(\$282)	\$23,710	(\$125)	\$2,292	

Unrealized losses for fixed maturity securities increased from \$407 million as of December 31, 2021 to \$7.706 billion as of September 30, 2022. The Company monitors the difference between the amortized cost and estimated fair value of fixed maturity securities to ascertain whether declines in value are temporary in nature. The Company currently does not have the intent to sell these securities and has determined it is not more likely than not that it would be required to sell these fixed maturity securities before they recover their fair value. The Company has concluded that the gross unrealized losses of fixed maturity securities as of September 30, 2022 are temporary.

The following tables summarize the Company's issuer and sector exposure<sup>1</sup> as of September 30, 2022:

Top 10 Issuers		As of September 30, 2022				
\$ in Millions	Fixed Maturity	Equity	Short- Term	Total Exposure	% of Invested Assets	
Citigroup Inc	\$634	\$-	\$-	\$634	0.65%	
Morgan Stanley	634	-	-	634	0.65	
JP Morgan Chase & Co	634	-	-	634	0.65	
Bank of America Corp	628	-	-	628	0.65	
Goldman Sachs Group Inc	607	-	-	607	0.64	
Government of Canada	497	-	28	525	0.54	
Government of Brazil	427	-	89	516	0.53	
Government of United Kingdom	497	-	-	497	0.51	
Wells Fargo & Co	439	-	-	439	0.45	
Government of Australia	361	-	25	386	0.40	
Total	\$5,358	\$-	\$142	\$5,500	5.67%	

Top 10 Sectors		As of September 30, 2022					
\$ in Millions	Fixed Maturity	Equity	Short- Term	Total Exposure	% of Invested Assets		
Banking	\$7,897	\$7	\$244	\$8,148	8.40%		
REITS	722	3,117	-	3,839	3.96		
Foreign Government	3,595	-	151	3,746	3.86		
Technology	2,025	425	1	2,451	2.53		
Electric Utility	1,530	388	4	1,922	1.98		
US Municipal - State & US Territory	1,638	-	-	1,638	1.69		
Insurance	1,387	82	1	1,470	1.52		
Independent Energy	481	918	-	1,399	1.44		
US Municipal - Local Govt	1,375	-	-	1,375	1.42		
Healthcare	1,045	250	1	1,296	1.34		
Total	\$21,695	\$5,187	\$402	\$27,284	28.14%		

1 Tables exclude U.S. Treasury and agency securities, mortgage-backed securities, ETFs, and municipal obligations that are pre-refunded or escrowed to maturity.

As of September 30, 2022, investments in the energy sector accounted for \$3.100 billion or 3.2% of total invested assets. The energy sector is comprised of investments in the following sub-sectors: independent energy, integrated energy, midstream, oil field services, and refining (*classification per Bloomberg Barclays Industry Groups*). Energy investments consist of investment grade bonds of \$1.782 billion, bonds that were rated below investment grade of \$398 million, publicly traded equity securities of \$2 million, and natural resources partnerships and other equity method investments of \$918 million. Agriculture and timber investments consist of natural resource partnerships of \$23 million. In addition, the Company has direct investments in agriculture and timber of \$191 million and oil and gas wells of \$4 million which are included in other assets on the Consolidated Balance Sheets.

The following table summarizes the Company's unfunded commitments as of September 30, 2022 and December 31, 2021:

Unfunded Commitments	As of Septem	nber 30, 2022	As of December 31, 2021		
\$ in Millions	Total	% of Total	Total	% of Total	
Traditional private equity	\$2,320	28.0%	\$1,614	23.3%	
Real Estate	3,060	36.9	2,499	36.1	
Private Credit	1,791	21.6	1,983	28.7	
Natural resources – Energy	33	0.4	38	0.6	
Natural resources – Other <sup>1</sup>	1,008	12.2	721	10.4	
Other	76	0.9	62	0.9	
Total unfunded commitments	\$8,288	100%	\$6,917	100.0%	

1 Includes energy, transition and infrastructure, and agriculture and timber commitments.

Unfunded commitments as of September 30, 2022 were \$8.288 billion, an increase of \$1.371 billion over December 31, 2021. The increase is primarily driven by new commitments net of contributions related to real estate and private equity investments. The unfunded energy investment commitments at September 30, 2022 and December 31, 2021 of \$33 million and \$38 million, respectively, related to energy partnerships.

# LIQUIDITY AND CAPITAL RESOURCES

The liquidity requirements of the insurance subsidiaries are met primarily by funds generated from operations, asset maturities and income received on investments. Cash provided from these sources is used primarily for claims, claim adjustment expenses and operating expenses (underwriting and corporate benefit costs). There are certain cash outflows such as catastrophes and continued settlements of asbestos reserves that are unpredictable in nature and could create increased liquidity needs. The Company believes that the insurance subsidiaries' future business liquidity needs will be met from all the above sources. However, the Company maintains back up borrowing facilities as an additional contingent source of funds. These include:

• LMIC, Peerless Insurance Company ("PIC"), Liberty Mutual Fire Insurance Company ("LMFIC"), Employers Insurance Company of Wausau ("EICOW"), SAM, State Auto Property & Casualty Insurance Company ("SPC") and Rockhill Insurance Company ("RIC") are members of the Federal Home Loan Bank ("FHLB"). The Company has \$396 million of FHLB borrowings with maturity dates through 2033. As of September 30, 2022, the outstanding FHLB borrowings are fully collateralized. Ironshore Indemnity Insurance ("III") and Ironshore Specialty Insurance Company ("ISIC") memberships were cancelled on February 24th and 25th, 2020. III's membership was cancelled effective on February 9, 2022. For ISIC there is a five-year waiting period for final cancellation of membership, so the effective date of its membership cancellation will be February 2025.

Net cash flows are generally invested in marketable securities while keeping a certain amount in cash and short-term investments to meet unpredictable cash obligations. The Company monitors the duration of these investments, and purchases and sales are executed with the objective of having adequate cash available to satisfy its maturing liabilities. As the Company's investment strategy focuses on overall asset and liability durations, and not specific cash flows, asset sales may be required to satisfy obligations or rebalance asset portfolios. The Company's invested assets as of September 30, 2022 (including cash and cash equivalents) totaled \$96.976 billion.

Debt outstanding as of September 30, 2022 and December 31, 2021 was as follows:

Short-term debt:

S in Millions	As of September 30, 2022	As of December 31, 2021
4.95% Notes, due 2022 <sup>1</sup>	\$-	\$473
4.25% Notes, due 2023 <sup>1</sup>	547	-
Total short-term debt	\$547	\$473

(1) Short-term debt is the current maturities of the 4.95% Notes, due May 1, 2022 and the 4.25% Notes, due June 15, 2023.

Long-term debt:

	As of	As of
\$ in Millions	September 30, 2022	December 31, 2021
4.25% Notes, due 2023 <sup>1</sup>	\$-	\$547
1.75% €500 Million Notes, due 2024	490	568
8.50% Surplus notes, due 2025	140	140
2.75% €750 Million Notes, due 2026	734	853
7.875% Surplus notes, due 2026	227	227
7.625% Notes, due 2028	3	3
4.569% Notes, due 2029	1,000	1,000
1.37% - 4.25% Federal Home Loan Bank Borrowings, due 2033 <sup>2</sup>	396	300
Floating Rate Junior Subordinated Notes, due 2033 <sup>3</sup>	15	-
7.00% Notes, due 2034	124	124
6.50% Notes, due 2035	271	271
Floating Rate Junior Subordinated Notes, due 2035 <sup>4</sup>	40	_
7.50% Notes, due 2036	19	19
6.50% Notes, due 2042	250	250
4.85% Notes, due 2044	564	564
4.50% Notes, due 2049	232	232
3.951% Notes, due 2050	1,248	1,248
4.125% Junior Subordinated notes, due 2051 <sup>5</sup>	500	500
5.50% Notes, due 2052	1,000	-
3.625% €500 Million Junior Subordinated notes, due 20596	490	568
3.95% Notes, due 2060	746	746
4.30% Junior Subordinated notes, due 2061 <sup>7</sup>	800	800
7.80% Junior Subordinated notes, due 2087 <sup>8</sup>	437	437
10.75% Junior Subordinated notes, due 20889	35	35
7.697% Surplus notes, due 2097	260	260
Subtotal	10,021	9,692
Unamortized discount	(441)	(453)
Long-term debt excluding unamortized debt issuance costs	9,580	9,239
Unamortized debt issuance costs	(65)	(58)
Total long-term debt	\$9,515	\$9,181

(1) Short-term debt is the current maturities of the 4.95% Notes, due May 1, 2022 and the 4.25% Notes, due June 15, 2023.

(2) FHLB long-term borrowings include \$96 million from the acquisition of State Auto on March 1, 2022.

(3) Floating rate callable at par plus accrued interest on each quarterly interest payment date. The floating rate equals to three-month LIBOR plus 4.20%.

(4) Floating rate callable at par plus accrued interest on each quarterly interest payment date. The floating rate equals to three-month LIBOR plus 3.70%.

(5) The par value call date is three months prior to and on December 15, 2026, after which the notes are callable at par during the threemonth period prior to and on each succeeding interest reset date.

(6) The par value call date and final fixed rate interest payment date is May 23, 2024, subject to certain requirements.

(7) The par value call date is February 1, 2026 after which the notes are callable at par on each subsequent interest payment date.

(8) The par value call date and final fixed rate interest payment date is March 15, 2037, subject to certain requirements.

(9) The par value call date and final fixed rate interest payment date is June 15, 2038, subject to certain requirements.

As part of its overall capital strategy, the Company previously announced that it may issue, repurchase or exchange debt depending on market conditions. Debt repurchases may be executed through open market or other appropriate transactions. The Company continues to evaluate market conditions and may periodically affect transactions in its debt, subject to applicable limitations.

# **Debt Transactions**

On September 2, 2022, \$11 million of SAM FHLB borrowings were paid.

On September 21, 2022, \$19 million of SAM and \$21 million of SPC FHLB borrowings were paid.

On June 6, 2022, LMGI issued \$1,000 million of Senior Notes, due 2052 (the "2052 Notes"). Interest is payable semiannually at a fixed rate of 5.50%. The 2052 Notes mature on June 15, 2052.

On May 2, 2022, \$473 million of LMGI 4.95% Notes were paid at maturity.

On August 16, 2021, LMGI issued \$500 million of Series F Junior Subordinated Notes, due 2051 (the "Series F Notes"). Interest is payable semi-annually at a fixed rate of 4.125%. The Series F Notes may be redeemed in whole or in part three months prior to and on December 15, 2026, after which the notes may be redeemed during the three-month period prior to and on each succeeding interest reset date. The interest reset dates are on each five-year anniversary of December 15, 2021 until December 15, 2051.

On June 1, 2021, \$330 million of LMGI 5.00% Notes were paid at maturity.

On February 1, 2021, LMGI issued \$800 million of Series E Junior Subordinated Notes, due 2061 (the "Series E Notes"). Interest is payable semi-annually at a fixed rate of 4.30%. The Series E Notes may be redeemed in whole or in part on February 1, 2026, after which the notes may be redeemed on any interest payment date thereafter until February 1, 2061.

# Interest Expense

Consolidated interest expense for the three and nine months ended September 30, 2022 was \$133 million and \$375 million respectively, an increase of \$14 million and \$21 million over the same periods in 2021.

# Holding Company Liquidity and Capital Resources

The Company conducts substantially all of its operations through its wholly owned insurance and service company subsidiaries, and therefore is primarily dependent on dividends, distributions, loans or other payments of funds from these entities to meet its current and future obligations. However, the subsidiaries are separate and distinct legal entities and have no obligation to make funds available to the Company, whether in the form of loans, dividends or other distributions. As of September 30, 2022, the Company, through its downstream subsidiaries LMGI and LMFE, had \$9.0 billion and \$490 million, respectively, of debt outstanding, excluding discount and issuance costs.

The insurance subsidiaries' ability to pay dividends is restricted under applicable insurance law and regulations and may only be paid from unassigned surplus. Under the insurance laws of the domiciliary states of the insurance subsidiaries, an insurer may make an ordinary dividend payment if its surplus as regards to policyholders, following such dividend, is reasonable in relation to its outstanding liabilities, is adequate to its financial needs and does not exceed the insurer's unassigned surplus. However, no insurer may pay an extraordinary dividend without the approval or non disapproval of the domiciliary insurance regulatory authority. Insurance subsidiaries owned directly by LMGI are LMIC, Liberty Mutual Personal Insurance Company ("LMPICO"), LMFIC, EICOW and SAM. Under the insurance laws of Massachusetts, the domiciliary state of LMIC, an extraordinary dividend is defined as a dividend whose fair market value, together with other dividends made within the preceding 12 months, exceeds the greater of 10% of the insurer's surplus as regards policyholders as of the preceding December 31, or the insurer's net income for the 12-month period ending on the preceding December 31. Under the insurance laws of New Hampshire, the domiciliary state of LMPICO, an extraordinary dividend is defined as (1) a dividend whose fair market value, together with other dividends paid within the preceding 12 months, exceeds the lesser of (a) 10% of the insurer's surplus as regards policyholders as of the preceding December 31, or (b) the insurer's net income, excluding realized capital gains, for the calendar year preceding the date of the dividend, but not including pro rata distributions of any class of the insurer's own securities, or (2) the aggregate of the insurer's net income from the previous two calendar years that

has not already been paid out as dividends, excluding realized capital gains and any dividends paid in the previous two calendar years. Under the insurance laws of Wisconsin, the domiciliary state of LMFIC and EICOW, an extraordinary dividend is defined as a dividend whose fair market value, together with other dividends paid within the preceding 12 months, exceeds the lesser of (a) 10% of the insurer's surplus with regard to policyholders as of the preceding December 31, or (b) the greater of (1) the insurer's net income for the calendar year preceding the date of the dividend, minus realized capital gains for that calendar year, or (2) the aggregate of the insurer's net income for the three calendar years preceding the date of the dividend, minus realized capital gains for the preceding three calendar years. Under the insurance laws of Ohio, the domiciliary state of SAM, an extraordinary dividend is defined as a dividend whose fair market value, together with other dividends made within the preceding 12 months, exceeds the greater of 10% of the insurer's surplus as regards policyholders as of the preceding December 31 or the insurer's net income for the 12-month period ending on the preceding December 31. Changes in the extraordinary dividend regulation of the domiciliary states of LMIC, LMPICO, LMFIC, EICOW and SAM could negatively affect LMGI's ability to pay principal and interest on its debt, as could a redomestication or merger of LMIC, LMPICO, LMFIC, EICOW or SAM to a different domiciliary state.

The authorized control level risk-based capital (as of December 31, 2021) and 2022 available dividend capacity prior to needing regulatory approval for LMIC, LMFIC, EICOW and SAM were as follows:

\$ in Millions	RBC I	Ratio <sup>1</sup>	Dividend Capacity <sup>2</sup>	Dividends Paid <sup>3</sup>
<b>RBC</b> Ratios and Dividend Capacity	2021	2020	2022	2022
LMIC	389%	354%	\$2,130	\$349
LMFIC	560%	525%	\$87	\$11
EICOW	531%	488%	\$83	\$-
SAM	414%	404%	\$77	\$-

1 Authorized control level risk-based capital as defined by the NAIC.

2 Represents the estimated maximum allowable dividend without prior regulatory approval in the state of domicile.

3 Dividends paid represent amounts paid during the nine months ended September 30, 2022. Available dividend capacity as of September 30, 2022 is calculated as 2022 dividend capacity less dividends paid for the preceding 12 months. Dividends paid Oct 1, 2021 through September 30, 2022 for LMIC, LMFIC, EICOW and SAM were \$365 million, \$15 million, zero and zero respectively.

LMGI also has access to the following sources of funding:

- An unsecured revolving credit facility of \$1 billion with an expiration date of April 18, 2027. To date, no funds have been borrowed under the facility.
- A management services agreement with LMIC pursuant to which LMGI is entitled to collect certain costs plus a management fee for services rendered by LMGI employees.
- Investment management agreements with affiliated entities pursuant to which an LMGI subsidiary investment advisor is entitled to recover annual expenses for investment management services performed by its employees.
- Liberty Corporate Services LLC ("LCS"), which through its subsidiaries collects fees and other revenues, primarily for claims administration, agency and IT services rendered for affiliated and non-affiliated entities. For the three and nine months ended September 30, 2022, LCS recorded \$99 million and \$275 million, respectively, in pre-tax income.
- Approximately \$80 million of annual dividends related to non-redeemable perpetual preferred stock issuances by LMIC and LMFIC.

\$ in Millions	As of September 30, 2022	As of December 31, 2021
Total long-term debt	\$9,515	\$9,181
Unamortized discount and debt issuance costs	(506)	(511)
Total long-term debt excluding unamortized discount and debt issuance costs	\$10,021	\$9,692
Total equity excluding accumulated other comprehensive (loss) income	\$29,410	\$28,808
Total capital excluding accumulated other comprehensive (loss) income <sup>1</sup>	\$39,431	\$38,500
Debt-to-capital capitalization excluding accumulated other comprehensive (loss) income <sup>1</sup>	25.4%	25.2%
Statutory surplus	\$24,493	\$26,481

1 Excludes unamortized discount and debt issuance costs

The total debt-to-capital capitalization ratio excluding accumulated other comprehensive loss is calculated by dividing (a) total debt excluding unamortized discount and debt issuance costs by (b) total capital excluding accumulated other comprehensive (loss) income. Net unrealized gains and losses on investments can be significantly impacted by both interest rate movements and other economic factors. Accordingly, in the opinion of the Company's management, the debt-to-total capital ratio calculated on this basis provides another useful metric for investors to understand the Company's financial leverage position. The Company's ratio of debt-to-capital (excluding accumulated other comprehensive (loss) income of 25.4% at September 30, 2022 was within the Company's target range.

### **Reinsurance Recoverables**

The Company reported reinsurance recoverables of \$18.575 billion and \$17.776 billion at September 30, 2022 and December 31, 2021, respectively, net of allowance for doubtful accounts of \$124 million and \$123 million, respectively. Included in these balances are \$895 million and \$874 million of paid recoverables and \$17.804 billion and \$17.025 billion of unpaid recoverables (including retroactive reinsurance), respectively.

S&P Rating <sup>1</sup>	As of December 31, 2021					
\$ in Millions	Gross Recoverables <sup>2</sup>	Collateral Held <sup>3</sup>	Net Recoverables <sup>4</sup>	% of Total Net Recoverables		
Rated Entities						
AAA	\$ -	\$ -	\$ -	-		
AA+, AA, AA-	7,313	8,869	2,379	23%		
A+, A, A-	4,906	489	4,469	42%		
BBB+, BBB, BBB-	-	-	-	-		
BB+ or below	-	-	-	_		
Subtotal	12,219	9,358	6,848	65%		
Pools & Associations						
State mandated involuntary pools and						
associations	2,856	-	2,856	27%		
Voluntary	186	121	181	2%		
Subtotal	3,042	121	3,037	29%		
Non-Rated Entities <sup>5</sup>						
Captives & fronting companies	1,567	1,722	322	3%		
Other	1,071	1,637	334	3%		
Subtotal	2,638	3,359	656	6%		
Grand Total	\$17,899	\$12,838	\$10,541	100%		

1 Standard & Poor's ratings are as of December 31, 2021.

2 Gross recoverables are defined as paid and unpaid claims and claim adjustment expense including IBNR and before both bad debt reserve set aside for potential uncollectible reinsurance and consideration of collateral.

3 Collateral refers to letters of credit, trust accounts, and funds held against outstanding and potential future claims and claim adjustment expenses related to reinsurance recoverable balances.

4 Net recoverables are defined as the difference between the amount of gross recoverables and collateral held for each reinsurer at the ceding entity level. If the collateral held for a reinsurer at a ceding entity level is greater than the gross recoverable, net recoverables are reported as \$0.

5 Reinsurers not rated by Standard & Poor's.

Reinsurance Groups <sup>1</sup>	As of December 31, 2021		
\$ in Millions	Gross Recoverables <sup>2</sup>	Collateral Held <sup>3</sup>	Net Recoverables <sup>4</sup>
1. Berkshire Hathaway Insurance Group	\$4,394	\$8,027	\$241
2. Swiss Re Group	1,538	608	959
3. Nationwide Group	1,226	-	1,226
4. Everest Re Group	742	212	550
5. Lloyd's of London	537	-	537
6. Munich Re Group	421	20	407
7. Alleghany Corp	404	2	404
8. Partner Re Group	376	56	321
9. Enstar Group Ltd	366	343	24
10. CUMIS Insurance Society Group	332	-	332
11. UPINSCO	291	390	-
12. Builders Reinsurance S.A.	270	359	-
13. Hannover Re Group	261	50	213
14. Exchange Indemnity Company	256	122	136
15. Markel Corp	233	2	232
State Mandated Involuntary pools and associations	2,856	-	2,856
Voluntary pools and associations	186	121	181
All Other	3,210	2,526	1,922
Total Reinsurance Recoverables	\$17,899	\$12,838	\$10,541

1 Reinsurance Groups are defined as all reinsurance subsidiaries owned by a common parent.

2 Gross recoverables are defined as paid and unpaid claims and claim adjustment expense including IBNR and before both bad debt reserve set aside for potential uncollectible reinsurance and consideration of collateral.

3 Collateral refers to letters of credit, trust accounts, and funds held against outstanding and potential future claims and claim adjustment expenses related to reinsurance recoverable balances.

4 Net recoverables are defined as the difference between the amount of gross recoverables and collateral held for each reinsurer at the ceding entity level. If the collateral held for a reinsurer at a ceding entity level is greater than the gross recoverable, net recoverables are reported as \$0.

Approximately 94% of the Company's reinsurance recoverable balance, net of collateral held and including voluntary and involuntary pools and associations, was from reinsurers rated A- or better from A.M. Best and Standard & Poor's, respectively, at December 31, 2021. Collateral held against outstanding gross reinsurance recoverable balances was \$12.838 billion at December 31, 2021.

The remaining 6% of the Company's net reinsurance recoverable balance is well diversified. No single reinsurer rated below A- or not rated by A.M. Best or Standard & Poor's accounts for more than 1% of GAAP equity. In addition, the average net reinsurance recoverable balance from individual reinsurers rated below A- or not rated by A.M. Best and Standard & Poor's was approximately \$1 million as of December 31, 2021.

The reinsurance recoverables from state mandated involuntary pools and associations primarily represent the Company's servicing carrier business. As a servicing carrier, the Company retains no direct underwriting risk but instead cedes 100% of the involuntary market premium and losses back to the pool. Payment of losses is shared by the pool participants in proportion to their pool participation. Reinsurer credit risk with respect to any such involuntary pool or association is a function of the creditworthiness of all the pool participants.

The Company's reinsurance recoverables from Nationwide Indemnity Company have been fully guaranteed by its parent, Nationwide Mutual Insurance Company, which has a financial strength rating of A+ from Standard & Poor's and A+ from A.M. Best.

#### Adverse Development Reinsurance

On November 5, 2019, LMIC entered into a reinsurance transaction with NICO, a subsidiary of Berkshire Hathaway Inc, on a combined aggregate excess of loss agreement for certain GRM U.S. Business Lines and GRS National Insurance workers compensation, commercial auto liability and general liability excluding umbrella and warranty liabilities. The first layer of the contract attaches at \$300 million below applicable held reserves at inception of \$8.342 billion of combined aggregate reserves. The second layer of the contract provides adverse development coverage for \$1.000 billion above a retention equal to \$8.742 billion. The contract includes a sublimit of \$100 million for certain general liability liabilities. At the closing of the NICO Casualty Reinsurance Transaction, but effective as of January 1, 2019, the Company ceded \$300 million of existing undiscounted liabilities, paid NICO total consideration of \$462 million and recorded a pre-tax loss of \$173 million. This contract is accounted for on a retroactive basis.

In general terms, the covered business includes post December 31, 2018 development for Global Retail Markets U.S. Business Lines and Global Risks Solutions National Insurance segment on: (1) certain workers compensation liabilities arising under policies on the books as of December 31, 2018 as respects injuries or accidents occurring after December 31, 2013 and prior to January 1, 2019; (2) commercial auto liabilities arising under policies on the books as of December 31, 2018 as respects injuries or accidents occurring after so of December 31, 2018 as respects injuries or accidents occurring prior to January 1, 2019; and (3) general liability excluding umbrella and warranty arising under policies as of December 31, 2018 as respects injuries or accidents occurring prior to January 1, 2019.

Since the NICO Casualty Reinsurance Transaction is accounted for as retroactive reinsurance in the Company's GAAP Consolidated Financial Statements, to the extent there is unfavorable development of losses covered by this reinsurance, an additional reinsurance benefit is recognized in the Consolidated Statements of Operations until those benefits exceed the loss on the transaction. Reinsurance benefits will be deferred and are amortized into earnings over the period when underlying claims are settled.

As the aggregate development on the contract has exceeded the original pre-tax loss of \$173 million, deferred gains are now being recorded. The Company reported deferred gain amortization of \$46 million and \$37 million at September 30, 2022 and December 31, 2021, respectively. As of September 30, 2022 and December 31, 2021, deferred gains were \$213 million and \$226 million. Limits remaining on the contract as of September 30, 2022 were \$555 million.

In conjunction with the Ironshore acquisition and effective May 1, 2017, the Company entered into a reinsurance transaction with NICO on a combined aggregate excess of loss agreement providing coverage for substantially all of Ironshore's reserves related to losses occurring prior to January 1, 2017. The first layer of the contract transfers \$400 million of held reserves at inception, for which the Company established reinsurance recoverables on the Consolidated Balance Sheet. The second layer of the contract provides adverse development coverage for 95% of \$500 million above a retention equal to \$3.006 billion, minus paid losses between January 1, 2017 and May 1, 2017, which retention approximates the total held reserves on the covered business on Ironshore's opening balance sheet. The contract includes a sublimit of \$277 million for certain construction liability liabilities. The Company paid NICO consideration of \$550 million, including interest accrued at the time of the settlement. The contract is accounted for on a prospective basis. Limits remaining on the contracts in total, and for construction liability liabilities, respectively, were \$431 million and zero as of September 30, 2022.

On July 17, 2014, LMIC entered into a reinsurance transaction with NICO on a combined aggregate excess of loss agreement for substantially all of the Company's U.S. workers compensation, asbestos and environmental liabilities, attaching at \$12.522 billion of combined aggregate reserves, with an aggregate limit of \$6.500 billion and sublimits of \$3.100 billion for asbestos and environmental liabilities and \$4.507 billion for certain workers compensation liabilities. At the closing of the NICO Reinsurance Transaction, but effective as of January 1, 2014, the Company ceded \$3.320 billion of existing undiscounted liabilities under this retroactive reinsurance agreement. NICO will provide \$3.180 billion of additional aggregate adverse development reinsurance. The Company paid NICO total consideration of \$3.046 billion. With respect to the ceded asbestos and environmental business, NICO has been given authority to handle claims, subject to the Company's oversight and control. With respect to the ceded workers compensation business, the Company will continue to handle claims. This contract is accounted for on a retroactive basis.

In general terms, the covered business includes post December 31, 2013 development on: (1) asbestos and environmental liabilities arising under policies of insurance and reinsurance with effective dates prior to January 1, 2005; and (2) workers compensation liabilities arising out of policies on the books of the Company's former Commercial Insurance Strategic Business Unit as of December 31, 2013, as respects injuries or accidents occurring prior to January 1, 2014.

The Company reported the net position of the contract as a loss of \$97 million and \$92 million as of September 30, 2022 and December 31, 2021, respectively. Limits remaining on the contracts in total, and for asbestos and environmental liabilities, respectively, were \$3.262 billion and \$463 million as of September 30, 2022.

# Non Catastrophe Reinsurance

The Company purchases facultative and treaty reinsurance protection on a per risk, per policy, per loss and/or per occurrence basis. Treaty coverage is provided on a pro rata and excess of loss basis for portions of the Company's property, marine, terrorism, energy, third party motor, cyber, financial risk, surety, aviation and casualty lines portfolios.

# Catastrophe Reinsurance

The Company has property catastrophe reinsurance coverage for its domestic business and certain specialty operations including: 1) hurricanes and earthquake reinsurance covering a substantial portion of \$3.1 billion of loss in excess of \$500 million of retained loss in the United States, Canada and the Caribbean, excluding certain reinsurance exposures; 2) per occurrence and aggregate excess of loss coverage targeting our reinsurance exposures; and 3) quota share reinsurance programs. These programs are structured to meet the Company's established tolerances under its Enterprise Risk Management Program.

The Company purchases property catastrophe reinsurance coverage for the international property books to protect against international catastrophe events.

The Company purchases workers compensation catastrophe reinsurance, including coverage for its domestic commercial operations and certain specialty operations' U.S. exposures. This program provides significant reinsurance protection in excess of \$330 million per occurrence retention, including coverage for terrorism events and/or losses for a single event at a single insured location in excess of \$75 million. These contracts generally exclude acts of terrorism which are "certified" by the U.S. government where such certified terrorism events involve the intentional use of nuclear, chemical, or biological materials.

# Catastrophe Bond Reinsurance

On June 16, 2021, the Company entered into a multi-year property catastrophe reinsurance agreement, effective July 1, 2021, with Mystic Re IV Ltd. ("Mystic IV"), a Bermuda domiciled reinsurer, to provide a total of \$300 million of reinsurance coverage for the Company and its affiliates for named storms and earthquakes covering U.S., Caribbean and Canada. The reinsurance agreement is collateralized. Such collateral is provided by Mystic IV using proceeds from the issuance of certain catastrophe bonds. The reinsurance agreement provides per occurrence indemnity coverage. The Company has not recorded any recoveries under this program.

On December 21, 2020, the Company entered into a multi-year property catastrophe reinsurance agreement, effective January 1, 2021, with Mystic Re IV, a Bermuda domiciled reinsurer, to provide a total of \$300 million of reinsurance coverage for the Company and its affiliates for named storms covering U.S. and earthquakes covering U.S. and Canada. The reinsurance agreement is collateralized. Such collateral is provided by Mystic IV using proceeds from the issuance of certain catastrophe bonds. The reinsurance agreement provides per occurrence coverage based on weighted industry insured loss index. This loss index is weighted to align with the Company's assumed reinsurance portfolio. The Company has not recorded any recoveries under this program.

### Florida Hurricane Catastrophe Fund

The Company participates in the Florida Hurricane Catastrophe Fund ("FHCF"), a state-mandated catastrophe fund that provides reimbursement to insurers for a portion of their Florida hurricane losses. FHCF resources may be insufficient to meet the obligations of FHCF. Limits, premium and reimbursements from FHCF apply on a per company basis. If losses fall disproportionately on one insurance entity within the Company, recovery from FHCF could be less than anticipated. On June 1, 2022, the Company renewed coverage for 90% of approximately \$52 million excess of \$22 million. Recoveries from FHCF inure to the sole benefit of the Company. If the Company fails to recover as anticipated from FHCF there could be an adverse effect on the Company's business, financial condition or results of operations.

The Company participates in the Reinsurance to Assist Policyholders ("RAP") program, a state administered catastrophe fund that provides reimbursement to insurers for a portion of their Florida hurricane losses. Limits, premium and reimbursements from RAP apply on a per company basis. If losses fall disproportionately on one insurance entity within the Company, recovery from RAP could be less than anticipated. On July 15, 2022, the Company received coverage for 90% of approximately \$5 million excess of \$14 million.

# **CRITICAL ACCOUNTING ESTIMATES**

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenues and expenses during the reporting period. The Company's principal estimates include (1) unpaid claims and claim adjustment expense reserves, including asbestos and environmental liability reserves and loss sensitive premium attributable to prior years, (2) reinsurance recoverables and associated uncollectible allowance, (3) fair value determination and other-than-temporary impairments of the investment portfolio and direct working interests in oil and gas properties, (4) valuation of goodwill and intangible assets, (5) deferred income tax valuation allowance, and (6) pension and postretirement benefit obligations.

While the amounts included in the Consolidated Financial Statements reflect management's best estimates and assumptions, these amounts ultimately could vary.

For additional discussion, please refer to footnote 1 in the Company's December 31, 2021 Audited Consolidated Financial Statements and footnote 1 in the Company's September 30, 2022 Unaudited Consolidated Financial Statements.

### **Unpaid Claims and Claim Adjustment Expenses**

Property and casualty insurance unpaid claims and claim adjustment expenses represent the Company's best estimate of amounts necessary to settle all outstanding claims, including claims that are incurred but not reported as of the reporting date. The Company's reserve projections are based primarily on detailed analysis of the facts in each case, experience with similar cases and various historical development patterns. Consideration is given to such historical patterns as field reserving trends and claims settlement practices, loss payments, pending levels of unpaid claims and product mix, as well as court decisions, economic conditions and public attitudes. All of these factors can affect the estimation of reserves.

Establishing loss reserves, including loss reserves for catastrophic events that have occurred, is an estimation process. Many factors can ultimately affect the final settlement of a claim and, therefore, the necessary reserve.

For additional discussion, please refer to footnote 6 in the Company's December 31, 2021 Audited Consolidated Financial Statements and footnote 6 in the Company's September 30, 2022 Unaudited Consolidated Financial Statements.

### Asbestos and Environmental

As a result of the significant uncertainty inherent in determining a company's asbestos and environmental liabilities and establishing related reserves, the amount of reserves required to adequately fund the Company's asbestos and environmental claims cannot be accurately estimated using conventional reserving methodologies based on historical data and trends. As a result, the use of conventional reserving methodologies frequently has to be supplemented by subjective considerations including managerial judgment. In that regard, the estimation of asbestos claims and associated liabilities and the analysis of environmental claims considered prevailing applicable law and certain inconsistencies of court decisions as to coverage, plaintiffs' expanded theories of liability, and the risks inherent in major litigation and other uncertainties, the Company believes that in future periods it is possible that the outcome of the continued uncertainties regarding asbestos and environmental related claims could result in an aggregate liability that differs from current reserves and would be covered under the NICO Reinsurance Transaction subject to treaty terms and conditions.

For additional discussion, please refer to footnote 6 in the Company's December 31, 2021 Audited Consolidated Financial Statements and footnote 6 in the Company's September 30, 2022 Unaudited Consolidated Financial Statements.

# **Reinsurance Recoverables**

Amounts recoverable from reinsurers are estimated in a manner consistent with the claim liability associated with the reinsured business. The Company evaluates and monitors the financial condition of its reinsurers under voluntary reinsurance arrangements to minimize its exposure to significant losses from reinsurer insolvencies. The Company reports its reinsurance recoverables net of an allowance for estimated uncollectible reinsurance recoverables. The allowance is based upon the Company's ongoing review of amounts outstanding, length of collection periods, changes in reinsurer credit standing and other relevant factors. Accordingly, the establishment of reinsurance recoverables and the related allowance for uncollectible reinsurance recoverables is also an inherently uncertain process involving estimates. Changes in these estimates could result in additional charges to the accompanying Consolidated Statements of Operations.

Ceded transactions that transfer risk but are retroactive are included in reinsurance recoverables. The excess of estimated liabilities for claims and claim costs over the consideration paid net of experience adjustments is established as a deferred credit at inception. The deferred amounts are subsequently amortized using the effective interest method over the expected settlement period. The periodic amortization is reflected in the accompanying Consolidated Statements of Operations through benefits, claims and claim adjustment expenses. In transactions where the consideration paid exceeds the estimated liabilities for claims and claim costs a loss is recognized. If the adverse development net of experience adjustments exceeds the original loss, deferred gains are recorded. The deferred gains are subsequently recognized into earnings over the expected settlement period of the reserves.

For additional discussion, please refer to footnote 5 in the Company's December 31, 2021 Audited Consolidated Financial Statements and footnote 4 in the Company's September 30, 2022 Unaudited Consolidated Financial Statements.

### Fair Value Determination

Fair value is the price that would be received to sell an asset or would be paid to transfer a liability in an orderly transaction between market participants at the measurement date. In determining fair value, the Company primarily uses the market approach, which generally utilizes market transaction data for identical or similar instruments.

The hierarchy level assigned to each security in the Company's investments portfolio is based on the Company's assessment of the transparency and reliability of the inputs used in the valuation of each instrument at the measurement date. Securities are classified into three hierarchy levels: Level 1, Level 2 or Level 3.

Regarding fair value measurements, as of September 30, 2022, excluding other assets, the Company reflected \$8.875 billion (12.9%) as level 1 (quoted prices in active markets) primarily consisting of U.S. Treasuries and common equity securities. The majority of the Company's invested assets are reported as level 2 (quoted prices from other observable inputs). As of September 30, 2022, the Company reported \$56.866 billion (82.5%) as level 2, consisting primarily of fixed maturity securities. Finally, the Company reported \$3.162 billion (4.6%) as level 3 (unobservable inputs), primarily consisting of international and privately held securities for which a market price is not readily observable.

For additional discussion, please refer to footnote 10 in the Company's December 31, 2021 Audited Consolidated Financial Statements and footnote 9 in the Company's September 30, 2022 Unaudited Consolidated Financial Statements.

### **Impairment Losses on Investments**

The Company reviews fixed maturity securities and other investments which include limited partnerships and other equity method investments (primarily traditional private equity, natural resource and real estate) for impairment on a quarterly basis. These investments are reviewed for both quantitative and qualitative considerations including, but not limited to: (a) the extent of the decline in fair value below book value, (b) the duration of the decline, (c) significant adverse changes in the financial condition or near term prospects of the investment or issuer, (d) significant change in the business climate or credit ratings of the issuer, (e) general market conditions and volatility, (f) industry factors, (g) the past impairment of the security holding or the issuer, and (h) impact of foreign exchange rates on foreign currency denominated securities.

The Company is required to review its natural resource and other equity method investments when facts and circumstances indicate that carrying values may not be recoverable. In performing a quarterly review, the fair value of the Company's investment is estimated using indicators including, but not limited to, market comparables and analyses, commodity prices, and discounted cash flows and a realized loss is recognized for the excess, if any, of the investment's carrying value over its estimated fair value.

For additional discussion, please refer to footnote 1 in the Company's December 31, 2021 Audited Consolidated Financial Statements and footnote 3 in the Company's September 30, 2022 Unaudited Consolidated Financial Statements.

# Goodwill and Intangible Assets

Goodwill is tested for impairment at least annually using either a qualitative or a quantitative process. Election of the approach can be made at the reporting unit level. The reporting unit has the option to skip the qualitative test and move directly to completion of the quantitative process. As of September 30, 2022, the Company has two reporting units – Global Retail Markets and Global Risk Solutions.

Indefinite-lived intangible assets held by the Company are reviewed for impairment on at least an annual basis using a qualitative process. The classification of the asset as indefinite-lived is reassessed, and an impairment is recognized if the carrying amount of the asset exceeds its fair value.

The Company had no material goodwill or intangible asset impairments recognized in 2021.

For additional discussion, please refer to footnote 1 in the Company's December 31, 2021 Audited Consolidated Financial Statements.

# **Deferred Income Taxes**

The income tax provision is calculated under the liability method of accounting. Deferred income tax assets and liabilities are recorded based upon the difference between the financial statement and tax bases of assets and liabilities at the enacted tax rates. The principal assets and liabilities giving rise to such differences are insurance loss reserves, unearned premiums, employee benefits, net unrealized losses on investments, and deferred policy acquisition costs.

For the three-month period ended September 30, 2022, the Company established a partial valuation allowance of \$63 million on certain deferred tax assets related to unrealized losses in the available for sale securities portfolio. As part of evaluating whether it was more likely than not that the Company could realize the tax benefit from these losses, the Company considered all available positive and negative evidence. The establishment of this valuation allowance was allocated to other comprehensive income.

For additional discussion, please refer to footnote 8 in the Company's December 31, 2021 Audited Consolidated Financial Statements and footnote 7 in the Company's September 30, 2022 Unaudited Consolidated Financial Statements.

### **Pension and Postretirement Benefit Obligations**

On an annual basis, the Company reviews the discount rate assumption used to determine the benefit obligations and the composition of various yield curves to ensure that the assumed discount rate reflects the Company's best estimate of the rate of return inherent in a portfolio of high-quality debt instruments that would provide the cash flows necessary to settle the Company's projected benefit payments.

The discount rate assumption used to determine the benefit obligations was based on a yield curve approach where the cash flows related to the benefit plans' liability stream were discounted at an interest rate specifically applicable to the timing of the cash flows. Effective January 1, 2016, service cost is calculated by discounting the future cash flows attributable to the current year of service using spot rates specifically applicable to the timing of the cash flows. Interest cost is determined by multiplying each benefit obligation cash flow by the spot rate applicable to that timing of the cash flow.

In choosing the expected long-term rate of return on plan assets, the Company's Retirement Committee considered the historical returns of equity and fixed income markets in conjunction with current economic and financial market conditions.

For additional discussion, please refer to footnote 9 in the Company's December 31, 2021 Audited Consolidated Financial Statements and footnote 8 in the Company's September 30, 2022 Unaudited Consolidated Financial Statements.

# **ABOUT THE COMPANY**

Boston-based LMHC, the parent corporation of the Liberty Mutual Insurance group of entities, is a diversified global insurer and sixth largest property and casualty insurer in the U.S. based on 2021 gross written premium. The Company also ranks 78<sup>th</sup> on the Fortune 100 list of largest corporations in the U.S. based on 2021 revenue. As of December 31, 2021, LMHC had \$156.043 billion in consolidated assets, \$128.195 billion in consolidated liabilities, and \$48.200 billion in annual consolidated revenue.

LMHC, through its subsidiaries and affiliated companies, offers a wide range of property and casualty insurance products and services to individuals and businesses alike. In 2001 and 2002, the Company formed a mutual holding company structure, whereby the three principal mutual insurance companies, LMIC, LMFIC and EICOW, each became separate stock insurance companies under the ownership of LMHC. In 2022, SAM, formerly a mutual insurance company, also became a stock insurance company under the ownership of LMHC.

Functionally, the Company conducts substantially all of its insurance business through two business units, with each operating independently of the other in certain areas such as sales, underwriting, and claims, but, as appropriate, collaborating in other areas such as actuarial and financial. Management believes this structure provides increased synergy to the Company and permits each business unit to execute its business strategy and/or to make acquisitions without impacting or disrupting the operations of the other business unit.

LMHC employs over 45,000 people in 29 countries and economies around the world. For a full description of the Company's business operations, products and distribution channels, please visit Liberty Mutual's Investor Relations web site at <a href="http://www.libertymutualgroup.com/investors">www.libertymutualgroup.com/investors</a>