

EVEREST RE GROUP LTD
Form 10-K
March 01, 2019

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM 10-K

Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934
For the fiscal year ended December 31, 2018
 Transition Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Commission file number 1-15731
EVEREST RE GROUP, LTD.
(Exact name of registrant as specified in its charter)

Bermuda 98-0365432
(State or other jurisdiction of (I.R.S. Employer
incorporation or organization) Identification No.)

Seon Place – 4th Floor
141 Front Street
PO Box HM 845
Hamilton HM 19, Bermuda
441-295-0006

(Address, including zip code, and telephone number, including area code, of registrant's principal executive office)

Securities
registered
pursuant to
Section 12(b) of
the Act:

Title
of
Each Name of
Class Each
Common Exchange
Shares, on Which
\$.01 Registered
par New York
value Stock
per Exchange
share

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.

YES NO

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act.

YES NO

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

YES NO

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files).

YES NO

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of the registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K. []

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer Accelerated filer
Non-accelerated filer Smaller reporting company
Emerging growth company

Indicate by check mark if the registrant is an emerging growth company and has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange act.

YES NO

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).

YES NO

The aggregate market value on June 30, 2018, the last business day of the registrant's most recently completed second quarter, of the voting shares held by non-affiliates of the registrant was \$9,417,452 thousand.

At February 1, 2019, the number of shares outstanding of the registrant's common shares was 40,675,221.

DOCUMENTS INCORPORATED BY REFERENCE

Certain information required by Items 10, 11, 12, 13 and 14 of Form 10-K is incorporated by reference into Part III hereof from the registrant's proxy statement for the 2018 Annual General Meeting of Shareholders, which will be filed with the Securities and Exchange Commission within 120 days of the close of the registrant's fiscal year ended December 31, 2018.

EVEREST RE GROUP, LTD

TABLE OF CONTENTS
FORM 10-K

| | <u>Page</u> |
|--|-------------|
| PART I | |
| Item 1. Business | 1 |
| Item 1A. Risk Factors | 25 |
| Item 1B. Unresolved Staff Comments | 37 |
| Item 2. Properties | 38 |
| Item 3. Legal Proceedings | 38 |
| Item 4. Mine Safety Disclosures | 38 |
| PART II | |
| Item 5. Market for Registrant’s Common Equity, Related Shareholder Matters and Issuer Purchases of Equity Securities | 38 |
| Item 6. Selected Financial Data | 41 |
| Item 7. Management’s Discussion and Analysis of Financial Condition and Results of Operations | 42 |
| Item 7A. Quantitative and Qualitative Disclosures About Market Risk | 78 |
| Item 8. Financial Statements and Supplementary Data | 78 |
| Item 9. Changes in and Disagreements With Accountants on Accounting and Financial Disclosure | 78 |
| Item 9A. Controls and Procedures | 78 |
| Item 9B. Other Information | 79 |
| PART III | |
| Item 10. Directors, Executive Officers and Corporate Governance | 79 |
| Item 11. Executive Compensation | 79 |
| Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Shareholder Matters | 79 |
| Item 13. Certain Relationships and Related Transactions, and Director Independence | 79 |
| Item 14. Principal Accountant Fees and Services | 80 |
| PART IV | |
| Item 15. Exhibits and Financial Statement Schedules | 80 |

PART I

Unless otherwise indicated, all financial data in this document have been prepared using accounting principles generally accepted in the United States of America (“GAAP”). As used in this document, “Group” means Everest Re Group, Ltd.; “Holdings Ireland” means Everest Underwriting Group (Ireland) Limited; “Ireland Re” means Everest Reinsurance Company (Ireland), designated activity company; “Holdings” means Everest Reinsurance Holdings, Inc.; “Everest Re” means Everest Reinsurance Company and its subsidiaries (unless the context otherwise requires); and the “Company”, “we”, “us”, and “our” means Everest Re Group, Ltd. and its subsidiaries.

ITEM 1. BUSINESS

The Company.

Group, a Bermuda company, was established in 1999 as a wholly-owned subsidiary of Holdings. On February 24, 2000, a corporate restructuring was completed and Group became the new parent holding company of Holdings. Holdings continues to be the holding company for the Company’s U.S. based operations. Holders of shares of common stock of Holdings automatically became holders of the same number of common shares of Group. Prior to the restructuring, Group had no significant assets or capitalization and had not engaged in any business or prior activities other than in connection with the restructuring.

In connection with the February 24, 2000 restructuring, Group established a Bermuda-based reinsurance subsidiary, Everest Reinsurance (Bermuda), Ltd. (“Bermuda Re”), which commenced business in the second half of 2000. Group also formed Everest Global Services, Inc., a Delaware subsidiary, to perform administrative functions for Group and its U.S. based and non-U.S. based subsidiaries.

On December 30, 2008, Group contributed Holdings to its Irish holding company, Holdings Ireland. Holdings Ireland is a direct subsidiary of Group and was established to serve as a holding company for the U.S. and Irish reinsurance and insurance subsidiaries. Effective July 1, 2016, the Company established a new Irish holding company, Everest Dublin Insurance Holdings Limited (Ireland) (“Everest Dublin Holdings”) and contributed Ireland Re to Everest Dublin Holdings.

Holdings, a Delaware corporation, was established in 1993 to serve as the parent holding company of Everest Re, a Delaware property and casualty reinsurer formed in 1973. Until October 6, 1995, Holdings was an indirect wholly-owned subsidiary of The Prudential Insurance Company of America (“The Prudential”). On October 6, 1995, The Prudential sold its entire interest in Holdings in an initial public offering.

During the fourth quarter of 2017, the Company established a new Irish insurance subsidiary, Everest Insurance Ireland, designated activity company (“Ireland Insurance”), which writes insurance business mainly in the European markets.

During the third quarter of 2016, the Company established domestic subsidiaries, Everest Premier Insurance Company (“Everest Premier”) and Everest Denali Insurance Company (“Everest Denali”), which are being used in the continued expansion of the Insurance operations.

Effective August 24, 2016, the Company sold its wholly-owned subsidiary, Heartland Crop Insurance Company (“Heartland”), a managing agent for crop insurance, to CGB Diversified Services, Inc. (“CGB”). The operating results of Heartland for the period owned are included within the Company’s financial statements.

The Company’s principal business, conducted through its operating segments, is the underwriting of reinsurance and insurance in the U.S., Bermuda and international markets. The Company had gross written premiums, in 2018, of \$8.5 billion with approximately 73% representing reinsurance and 27% representing insurance. Shareholders’ equity at December 31, 2018 was \$7.9 billion. The Company underwrites reinsurance both through brokers and directly with

ceding companies, giving it the flexibility to pursue business based on the ceding company's preferred reinsurance purchasing method. The Company underwrites insurance principally through brokers, surplus lines brokers and general agent relationships. Group's active operating subsidiaries, other than Ireland Insurance which is not yet rated, are each rated A+ ("Superior") by

1

A.M. Best Company (“A.M. Best”), a leading provider of insurer ratings that assigns financial strength ratings to insurance companies based on their ability to meet their obligations to policyholders.

Following is a summary of the Company’s principal operating subsidiaries:

Bermuda Re, a Bermuda insurance company and a direct subsidiary of Group, is registered in Bermuda as a Class 4 insurer and long-term insurer and is authorized to write property and casualty and life and annuity business. Bermuda Re commenced business in the second half of 2000. Bermuda Re’s UK branch writes property and casualty reinsurance to the United Kingdom and European markets. At December 31, 2018, Bermuda Re had shareholder’s equity of \$3.1 billion.

Everest International Reinsurance, Ltd. (“Everest International”), a Bermuda insurance company and a direct subsidiary of Group, is registered in Bermuda as a Class 4 insurer and is authorized to write property and casualty business. Through 2018, all of Everest International’s business has been inter-affiliate quota share reinsurance assumed from Everest Re, the UK branch of Bermuda Re, Ireland Re and Ireland Insurance. In 2015, Everest International issued additional capital as part of a capital restructuring initiative within the Company to support a planned increase in international business production, which includes supporting Group’s Lloyd’s of London Syndicate corporate member. At December 31, 2018, Everest International had shareholder’s equity of \$2.7 billion.

Ireland Re, an Ireland reinsurance company and an indirect subsidiary of Group, is licensed to write non-life reinsurance, both directly and through brokers, for the London and European markets.

Ireland Insurance, an Ireland insurance company and an indirect subsidiary of Group, is licensed to write insurance for the European markets.

Everest Re, a Delaware insurance company and a direct subsidiary of Holdings, is a licensed property and casualty insurer and/or reinsurer in all states, the District of Columbia, Puerto Rico and Guam and is authorized to conduct reinsurance business in Canada, Singapore and Brazil. Everest Re underwrites property and casualty reinsurance for insurance and reinsurance companies in the U.S. and international markets. At December 31, 2018, Everest Re had statutory surplus of \$3.7 billion.

Everest Insurance Company of Canada (“Everest Canada”), a Canadian insurance company and direct subsidiary of Holdings Ireland, is licensed to write property and casualty insurance in all Canadian provinces.

Everest National Insurance Company (“Everest National”), a Delaware insurance company and a direct subsidiary of Everest Re, is licensed in 50 states, the District of Columbia and Puerto Rico and is authorized to write property and casualty insurance on an admitted basis in the jurisdictions in which it is licensed. The majority of Everest National’s business is reinsured by its parent, Everest Re.

Everest Indemnity Insurance Company (“Everest Indemnity”), a Delaware insurance company and a direct subsidiary of Everest Re, writes excess and surplus lines insurance business in the U.S. on a non-admitted basis. Excess and surplus lines insurance is specialty property and liability coverage that an insurer not licensed to write insurance in a particular jurisdiction is permitted to provide to insureds when the specific specialty coverage is unavailable from admitted insurers. Everest Indemnity is licensed in Delaware and is eligible to write business on a non-admitted basis in all other states, the District of Columbia and Puerto Rico. The majority of Everest Indemnity’s business is reinsured by its parent, Everest Re.

Everest Security Insurance Company (“Everest Security”), a Georgia insurance company and a direct subsidiary of Everest Re, writes property and casualty insurance on an admitted basis in Georgia and Alabama and is approved as an eligible surplus lines insurer in Delaware. The majority of Everest Security’s business is reinsured by its parent,

Everest Re.

2

Everest International Assurance, Ltd. (“Everest Assurance”), a Bermuda company and a direct subsidiary of Holdings is registered in Bermuda as a Class 3A general business insurer and as a Class C long-term insurer. Everest Assurance has made a one-time election under section 953(d) of the U.S. Internal Revenue Code to be a U.S. income tax paying “Controlled Foreign Corporation.” By making this election, Everest Assurance is authorized to write life reinsurance and casualty reinsurance in both Bermuda and the U.S.

Everest Denali, a Delaware insurance company and a direct subsidiary of Everest Re, is licensed to write property and casualty insurance in 49 states and the District of Columbia.

Everest Premier, a Delaware insurance company and a direct subsidiary of Everest Re, is licensed to write property and casualty insurance in 49 states and the District of Columbia.

Heartland, a Kansas based managing general agent and a direct subsidiary of Holdings, was acquired on January 2, 2011. Heartland specializes in crop insurance, which is written mainly through Everest National. Effective August 24, 2016, the Company sold Heartland to CGB. The operating results of Heartland for the period owned are included within the Company’s financial statements.

Reinsurance Industry Overview.

Reinsurance is an arrangement in which an insurance company, the reinsurer, agrees to indemnify another insurance or reinsurance company, the ceding company, against all or a portion of the insurance risks underwritten by the ceding company under one or more insurance contracts. Reinsurance can provide a ceding company with several benefits, including a reduction in its net liability on individual risks or classes of risks, catastrophe protection from large and/or multiple losses and/or a reduction in operating leverage as measured by the ratio of net premiums and reserves to capital. Reinsurance also provides a ceding company with additional underwriting capacity by permitting it to accept larger risks and write more business than would be acceptable relative to the ceding company’s financial resources. Reinsurance does not discharge the ceding company from its liability to policyholders; rather, it reimburses the ceding company for covered losses.

There are two basic types of reinsurance arrangements: treaty and facultative. Treaty reinsurance obligates the ceding company to cede and the reinsurer to assume a specified portion of a type or category of risks insured by the ceding company. Treaty reinsurers do not separately evaluate each of the individual risks assumed under their treaties, instead, the reinsurer relies upon the pricing and underwriting decisions made by the ceding company. In facultative reinsurance, the ceding company cedes and the reinsurer assumes all or part of the risk under a single insurance contract. Facultative reinsurance is negotiated separately for each insurance contract that is reinsured. Facultative reinsurance, when purchased by ceding companies, usually is intended to cover individual risks not covered by their reinsurance treaties because of the dollar limits involved or because the risk is unusual.

Both treaty and facultative reinsurance can be written on either a pro rata basis or an excess of loss basis. Under pro rata reinsurance, the ceding company and the reinsurer share the premiums as well as the losses and expenses in an agreed proportion. Under excess of loss reinsurance, the reinsurer indemnifies the ceding company against all or a specified portion of losses and expenses in excess of a specified dollar amount, known as the ceding company's retention or reinsurer's attachment point, generally subject to a negotiated reinsurance contract limit.

In pro rata reinsurance, the reinsurer generally pays the ceding company a ceding commission. The ceding commission generally is based on the ceding company’s cost of acquiring the business being reinsured (commissions, premium taxes, assessments and miscellaneous administrative expense and may contain profit sharing provisions, whereby the ceding commission is adjusted based on loss experience). Premiums paid by the ceding company to a reinsurer for excess of loss reinsurance are not directly proportional to the premiums that the ceding company receives because the reinsurer does not assume a proportionate risk. There is usually no ceding commission on excess of loss reinsurance.

Reinsurers may purchase reinsurance to cover their own risk exposure. Reinsurance of a reinsurer's business is called a retrocession. Reinsurance companies cede risks under retrocessional agreements to other reinsurers, known as retrocessionaires, for reasons similar to those that cause insurers to purchase reinsurance: to reduce net liability on individual or classes of risks, protect against catastrophic losses, stabilize financial ratios and obtain additional underwriting capacity.

Reinsurance can be written through intermediaries, generally professional reinsurance brokers, or directly with ceding companies. From a ceding company's perspective, the broker and the direct distribution channels have advantages and disadvantages. A ceding company's decision to select one distribution channel over the other will be influenced by its perception of such advantages and disadvantages relative to the reinsurance coverage being placed.

Business Strategy.

The Company's business strategy is to sustain its leadership position within targeted reinsurance and insurance markets, provide effective management throughout the property and casualty underwriting cycle and thereby achieve an attractive return for its shareholders. The Company's underwriting strategies seek to capitalize on its i) financial strength and capacity, ii) global franchise, iii) stable and experienced management team, iv) diversified product and distribution offerings, v) underwriting expertise and disciplined approach, vi) efficient and low-cost operating structure and vii) effective enterprise risk management practices.

The Company offers treaty and facultative reinsurance and admitted and non-admitted insurance. The Company's products include the full range of property and casualty reinsurance and insurance coverages, including marine, aviation, surety, errors and omissions liability ("E&O"), directors' and officers' liability ("D&O"), medical malpractice, other specialty lines, accident and health ("A&H") and workers' compensation.

The Company's underwriting strategies emphasizes underwriting profitability over premium volume. Key elements of this strategy include careful risk selection, appropriate pricing through strict underwriting discipline and adjustment of the Company's business mix in response to changing market conditions. The Company focuses on reinsuring companies that effectively manage the underwriting cycle through proper analysis and pricing of underlying risks and whose underwriting guidelines and performance are compatible with its objectives.

The Company's underwriting strategies emphasize flexibility and responsiveness to changing market conditions. The Company believes that its existing strengths, including its broad underwriting expertise, global presence, strong financial ratings and substantial capital, facilitate adjustments to its mix of business geographically, by line of business and by type of coverage, allowing it to participate in those market opportunities that provide the greatest potential for underwriting profitability. The Company's insurance operations complement these strategies by accessing business that is not available on a reinsurance basis. The Company carefully monitors its mix of business across all operations to avoid unacceptable geographic or other risk concentrations.

Commencing in 2015 the Company initiated a strategic build out of its insurance platform through the investment in key leadership hires which in turn has brought significant underwriting talent and stronger direction in achieving its insurance program strategic goals of increased premium volume and improved underwriting results. Recent growth is coming from highly diversified areas including newly launched lines of business, as well as product and geographic expansion in existing lines of business. The Company is building a world-class insurance platform capable of offering products across lines and geographies, complementing its leading global reinsurance franchise. As part of this initiative, the Company launched a new syndicate through Lloyd's of London and formed Ireland Insurance, providing access to additional international business and new product opportunities to further diversify and broaden its insurance portfolio going forward.

Marketing.

The Company writes business on a worldwide basis for many different customers and lines of business, thereby obtaining a broad spread of risk. The Company is not substantially dependent on any single customer, small group of customers, line of business or geographic area. For the 2018 calendar year, no single customer (ceding company or insured) generated more than 3% of the Company's gross written premiums. The

4

Company believes that a reduction of business from any one customer would not have a material adverse effect on its future financial condition or results of operations.

Approximately 66%, 27% and 7% of the Company's 2018 gross written premiums were written in the broker reinsurance, insurance and direct reinsurance markets, respectively.

The broker reinsurance market consists of several substantial national and international brokers and a number of smaller specialized brokers. Brokers do not have the authority to bind the Company with respect to reinsurance agreements, nor does the Company commit in advance to accept any portion of a broker's submitted business. Reinsurance business from any ceding company, whether new or renewal, is subject to acceptance by the Company. Brokerage fees are generally paid by reinsurers. The Company's ten largest brokers accounted for an aggregate of approximately 52% of gross written premiums in 2018. The largest broker, Marsh and McLennan, accounted for approximately 20% of gross written premiums. The second largest broker, Aon Benfield Re, accounted for approximately 16% of gross written premiums. The Company believes that a reduction of business assumed from any one broker would not have a material adverse effect on the Company.

The direct reinsurance market remains an important distribution channel for reinsurance business written by the Company. Direct placement of reinsurance enables the Company to access clients who prefer to place their reinsurance directly with reinsurers based upon the reinsurer's in-depth understanding of the ceding company's needs.

The Company's insurance business writes direct business targeting commercial, property and casualty. It also writes business through brokers, surplus lines brokers and general agents. In 2018, Arrowhead General Insurance Agency accounted for approximately 3% of the Company's gross written premium. No other single general agent generated more than 2% of the Company's gross written premiums.

The Company continually evaluates each business relationship, including the underwriting expertise and experience brought to bear through the involved distribution channel, performs analyses to evaluate financial security, monitors performance and adjusts underwriting decisions accordingly.

Segment Results.

The U.S. Reinsurance operation writes property and casualty reinsurance and specialty lines of business, including Marine, Aviation, Surety and Accident and Health ("A&H") business, on both a treaty and facultative basis, through reinsurance brokers, as well as directly with ceding companies primarily within the U.S. The International operation writes non-U.S. property and casualty reinsurance through Everest Re's branches in Canada and Singapore and through offices in Brazil, Miami and New Jersey. The Bermuda operation provides reinsurance and insurance to worldwide property and casualty markets through brokers and directly with ceding companies from its Bermuda office and reinsurance to the United Kingdom and European markets through its UK branch and Ireland Re. The Insurance operation writes property and casualty insurance directly and through brokers, surplus lines brokers and general agents within the U.S., Canada and Europe.

These segments are managed independently, but conform with corporate guidelines with respect to pricing, risk management, control of aggregate catastrophe exposures, capital, investments and support operations. Management generally monitors and evaluates the financial performance of these operating segments based upon their underwriting results.

Underwriting results include earned premium less losses and loss adjustment expenses ("LAE") incurred, commission and brokerage expenses and other underwriting expenses. We measure our underwriting results using ratios, in particular loss, commission and brokerage and other underwriting expense ratios, which, respectively, divide incurred losses, commissions and brokerage and other underwriting expenses by premiums earned. The Company utilizes inter-affiliate reinsurance, although such reinsurance does not materially impact segment results, as business is

generally reported within the segment in which the business was first produced. For selected financial information regarding these segments, see ITEM 8, “Financial Statements and Supplementary Data” - Note 17 of Notes to Consolidated Financial Statements and ITEM 7, “Management’s Discussion and Analysis of Financial Condition and Results of Operation - Segment Results”.

5

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Underwriting Operations.

The following five year table presents the distribution of the Company's gross written premiums by its segments: U.S. Reinsurance, International, Bermuda and Insurance. The premiums for each segment are further split between property and casualty business and, for reinsurance business, between pro rata or excess of loss business:

| (Dollars in millions) | Gross Written Premiums by Segment Years Ended December 31, 2018 | | | | | | | | | | | |
|-------------------------|--|--------|-----------|--------|---------|--------|---------|--------|---------|--------|--|--|
| | 2018 | | 2017 | | 2016 | | 2015 | | 2014 | | | |
| U.S. Reinsurance | | | | | | | | | | | | |
| Property | | | | | | | | | | | | |
| Pro Rata ⁽¹⁾ | \$1,069.6 | 12.6 % | \$848.4 | 11.8 % | \$495.2 | 8.2 % | \$591.3 | 10.0 % | \$665.7 | 11.6 % | | |
| Excess | 1,031.9 | 12.2 % | 1,085.2 | 15.1 % | 1,054.2 | 17.5 % | 1,065.3 | 18.1 % | 887.6 | 15.4 % | | |
| Casualty | | | | | | | | | | | | |
| Pro Rata ⁽¹⁾ | 702.2 | 8.3 % | 460.7 | 6.4 % | 378.2 | 6.3 % | 319.9 | 5.4 % | 382.4 | 6.6 % | | |
| Excess | 210.6 | 2.5 % | 198.7 | 2.8 % | 198.2 | 3.3 % | 171.3 | 2.9 % | 218.8 | 3.8 % | | |
| Total ⁽²⁾ | 3,014.3 | 35.6 % | 2,593.0 | 36.1 % | 2,125.8 | 35.2 % | 2,147.9 | 36.5 % | 2,154.5 | 37.4 % | | |
| International | | | | | | | | | | | | |
| Property | | | | | | | | | | | | |
| Pro Rata ⁽¹⁾ | \$679.8 | 8.0 % | \$577.5 | 8.1 % | 671.9 | 11.1 % | 699.3 | 11.9 % | 846.0 | 14.7 % | | |
| Excess | 424.7 | 5.0 % | 377.9 | 5.3 % | 337.4 | 5.6 % | 411.2 | 7.0 % | 488.1 | 8.5 % | | |
| Casualty | | | | | | | | | | | | |
| Pro Rata ⁽¹⁾ | 281.0 | 3.3 % | 236.4 | 3.3 % | 111.7 | 1.9 % | 113.4 | 1.9 % | 152.9 | 2.7 % | | |
| Excess | 158.4 | 1.9 % | 125.0 | 1.7 % | 109.7 | 1.8 % | 110.4 | 1.9 % | 116.5 | 2.0 % | | |
| Total ⁽²⁾ | 1,543.9 | 18.2 % | 1,316.7 | 18.4 % | 1,230.7 | 20.4 % | 1,334.2 | 22.6 % | 1,603.6 | 27.8 % | | |
| Bermuda | | | | | | | | | | | | |
| Property | | | | | | | | | | | | |
| Pro Rata ⁽¹⁾ | \$422.6 | 5.0 % | \$294.0 | 4.1 % | 261.1 | 4.3 % | 265.8 | 4.5 % | 252.4 | 4.4 % | | |
| Excess | 229.4 | 2.7 % | 222.0 | 3.1 % | 175.5 | 2.9 % | 165.3 | 2.8 % | 183.8 | 3.2 % | | |
| Casualty | | | | | | | | | | | | |
| Pro Rata ⁽¹⁾ | 773.7 | 9.1 % | 407.7 | 5.7 % | 318.6 | 5.3 % | 281.0 | 4.8 % | 178.5 | 3.1 % | | |
| Excess | 240.6 | 2.8 % | 281.2 | 3.9 % | 135.2 | 2.2 % | 165.2 | 2.8 % | 171.7 | 3.0 % | | |
| Total ⁽²⁾ | 1,666.3 | 19.7 % | 1,205.0 | 16.8 % | 890.4 | 14.8 % | 877.3 | 14.9 % | 786.4 | 13.7 % | | |
| Total Reinsurance | | | | | | | | | | | | |
| Property | | | | | | | | | | | | |
| Pro Rata ⁽¹⁾ | \$2,172.0 | 25.6 % | \$1,719.9 | 24.0 % | 1,428.2 | 23.7 % | 1,556.4 | 26.4 % | 1,764.1 | 30.6 % | | |
| Excess | 1,686.0 | 19.9 % | 1,685.1 | 23.5 % | 1,567.1 | 26.0 % | 1,641.8 | 27.9 % | 1,559.5 | 27.1 % | | |
| Casualty | | | | | | | | | | | | |
| Pro Rata ⁽¹⁾ | 1,756.9 | 20.7 % | 1,104.8 | 15.4 % | 808.5 | 13.4 % | 714.3 | 12.1 % | 713.8 | 12.4 % | | |
| Excess | 609.7 | 7.2 % | 604.9 | 8.4 % | 443.1 | 7.3 % | 446.9 | 7.6 % | 507.0 | 8.8 % | | |
| Total ⁽²⁾ | 6,224.6 | 73.4 % | 5,114.7 | 71.3 % | 4,246.9 | 70.4 % | 4,359.4 | 74.0 % | 4,544.5 | 78.9 % | | |
| Insurance | | | | | | | | | | | | |
| Property | | | | | | | | | | | | |
| Pro Rata ⁽¹⁾ | \$645.9 | 7.6 % | \$725.1 | 10.1 % | 716.4 | 11.9 % | 592.2 | 10.1 % | 414.0 | 7.2 % | | |
| Excess | - | 0.0 % | - | 0.0 % | - | 0.0 % | - | 0.0 % | - | 0.0 % | | |
| Casualty | | | | | | | | | | | | |

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| | | | | | | | | | | |
|-------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
| Pro Rata ⁽¹⁾ | 1,604.6 | 18.9 % | 1,334.1 | 18.6 % | 1,070.6 | 17.7 % | 940.1 | 16.0 % | 804.4 | 14.0 % |
| Excess | - | 0.0 % | - | 0.0 % | - | 0.0 % | - | 0.0 % | - | 0.0 % |
| Total ⁽²⁾ | 2,250.6 | 26.6 % | 2,059.2 | 28.7 % | 1,787.0 | 29.6 % | 1,532.3 | 26.0 % | 1,218.4 | 21.1 % |
| Total Company | | | | | | | | | | |
| Property | | | | | | | | | | |
| Pro Rata ⁽¹⁾ | \$2,818.0 | 33.2 % | \$2,445.1 | 34.1 % | 2,144.6 | 35.5 % | 2,148.6 | 36.5 % | 2,178.1 | 37.8 % |
| Excess | 1,686.0 | 19.9 % | 1,685.1 | 23.5 % | 1,567.1 | 26.0 % | 1,641.8 | 27.9 % | 1,559.5 | 27.1 % |
| Casualty | | | | | | | | | | |
| Pro Rata ⁽¹⁾ | 3,361.5 | 39.7 % | 2,438.9 | 34.0 % | 1,879.1 | 31.1 % | 1,654.3 | 28.1 % | 1,518.2 | 26.3 % |
| Excess | 609.7 | 7.2 % | 604.9 | 8.4 % | 443.1 | 7.3 % | 446.9 | 7.6 % | 507.0 | 8.8 % |
| Total ⁽²⁾ | 8,475.2 | 100.0 % | 7,173.9 | 100.0 % | \$6,033.9 | 100.0 % | \$5,891.7 | 100.0 % | \$5,762.9 | 100.0 % |

(1) For purposes of the presentation above, pro rata includes all insurance and reinsurance attaching to the first dollar of loss incurred by the ceding company.

(2) Certain totals and subtotals may not reconcile due to rounding.

U.S. Reinsurance Segment. The Company's U.S. Reinsurance segment writes property and casualty reinsurance and specialty lines of business, including Marine, Aviation, Surety and A&H business, on both a treaty and facultative basis, through reinsurance brokers, as well as directly with ceding companies within the U.S. The marine and aviation business is written primarily through brokers and contains a significant international component. Surety business consists mainly of reinsurance of contract surety bonds. The Company targets certain brokers and, through the broker market, specialty companies and small to medium sized standard lines companies. The Company also targets companies that place their business predominantly in the direct market, including small to medium sized regional ceding companies, and seeks to develop long-term relationships with those companies. In addition, the U.S. Reinsurance segment writes portions of reinsurance programs for large, national insurance companies.

In 2018, \$1,970.0 million of gross written premiums were attributable to U.S. treaty property business, of which 52.2% was written on a pro rata basis and 47.8% was written on an excess of loss basis. The Company's property underwriters utilize sophisticated underwriting methods to analyze and price property business. The Company manages its exposures to catastrophe and other large losses by limiting exposures on individual contracts and limiting aggregate exposures to catastrophes in any particular zone and across contiguous zones.

U.S. treaty casualty business accounted for \$734.4 million of gross written premiums in 2018, of which 85.6% was written on a pro rata basis and 14.4% was written on an excess of loss basis. The treaty casualty business consists of professional liability, D&O liability, workers' compensation, financial lines, excess and surplus lines and other liability coverages. As a result of the complex technical nature of most of these risks, the Company's casualty underwriters tend to specialize by line of business and work closely with the Company's pricing actuaries.

The Company's facultative unit conducts business both through brokers and directly with ceding companies, and consists of three underwriting units representing property, casualty, and national brokerage lines of business. Business is written from a facultative headquarters office in New York and satellite offices in Chicago and Oakland. In 2018, \$92.7 million, \$39.1 million and \$15.5 million of gross written premiums were attributable to the casualty, property and national brokerage lines of business, respectively.

The marine and aviation unit's 2018 gross written premiums totaled \$86.2 million, all of which was written on a treaty basis and primarily sourced through reinsurance brokers. Of the marine and aviation gross written premiums in 2018, marine treaties represented 59.0% and consisted mainly of hull and cargo coverage. In 2018, the marine unit's premiums were written 65.3% on an excess of loss basis and 34.7% on a pro rata basis. Of the marine and aviation gross written premiums in 2018, aviation premiums accounted for 41.0% and included reinsurance of airline and general aviation risks. In 2018, the aviation unit's premiums were written 89.5% on a pro rata basis and 10.5% on an excess of loss basis.

In 2018, gross written premiums of the surety unit totaled \$50.3 million, 81.1% of which was written on a pro rata basis. Most of the portfolio is reinsurance of contract surety bonds written directly with ceding companies, with the remainder being trade credit reinsurance, mostly in international markets.

In 2018, gross written premium of the A&H reinsurance unit totaled \$15.5 million, of which 74.5% was written through brokers.

The Company writes assumed business with the segregated cells of Mt. Logan Re Ltd. (Bermuda) ("Mt. Logan Re") which represents a diversified set of catastrophe exposures, diversified by risk/peril and across different geographical regions globally. In 2018, gross written premium totaled \$10.6 million, which was all on a property excess of loss basis.

In 2018, 95.9% and 4.1% of the U.S. Reinsurance segment's gross written premiums were written in the broker reinsurance and direct reinsurance markets, respectively.

International Segment. The Company's International segment focuses on opportunities in the international reinsurance markets. The Company targets several international markets, including: Canada, with a branch in Toronto; Asia, with a branch in Singapore and its Lloyd's Syndicate; and Latin America, Brazil, Africa and the

7

Middle East, which business is serviced from Everest Re's Miami and New Jersey offices. The Company also writes from New Jersey "home-foreign" business, which provides reinsurance on the international portfolios of U.S. insurers. Of the Company's 2018 international gross written premiums, 71.5% represented property business, while 28.5% represented casualty business. As with its U.S. operations, the Company's International segment focuses on financially sound companies that have strong management and underwriting discipline and expertise. Of the Company's international business, 70.9% was written through brokers, with 29.1% written directly with ceding companies.

Gross written premiums of the Company's Canadian branch totaled \$173.5 million in 2018 and consisted of 35.0% of excess property business, 25.5% of pro rata casualty business, 21.5% of excess casualty business, and 18.0% of pro rata property business. Of the Canadian gross written premiums, 75.2% consisted of treaty reinsurance, while 24.8% was facultative reinsurance.

The Company's Singapore branch covers the Asian markets and accounted for \$199.8 million of gross written premiums in 2018 and consisted of 50.8% of excess property business, 36.8% of pro rata property business, 9.5% of pro rata casualty business and 2.9% of excess casualty business.

Gross written premium of the Company's Singapore Lloyd's Syndicate totaled \$4.1 million primarily on property business.

International business written out of Everest Re's Miami and New Jersey offices accounted for \$1,166.5 million of gross written premiums in 2018 and consisted of 45.9% of pro rata treaty property business, 19.4% of excess treaty property business, 18.4% of pro rata treaty casualty business, 13.3% of facultative property and casualty business and 3.0% of excess treaty casualty business. Of this international business, 60.5% was sourced from Latin America, 22.0% was sourced from the Middle East, 11.0% was home-foreign business and 6.5% was sourced from Africa.

Bermuda Segment. The Company's Bermuda segment writes property and casualty reinsurance through Bermuda Re and property and casualty reinsurance through its UK branch as well as through Ireland Re. In 2018, Bermuda Re had gross written premiums of \$761.7 million, virtually all of which was treaty reinsurance.

In 2018, the UK branch of Bermuda Re wrote \$610.8 million of gross treaty reinsurance premium consisting of 59.8% of pro rata casualty business, 20.0% of excess casualty business, 11.1% of pro rata property business and 9.1% of excess property business.

In 2018, Ireland Re wrote \$293.8 million of gross treaty reinsurance premium consisting of 34.7% of pro rata casualty business, 28.0% of pro rata property business, 19.9% of excess property business, and 17.4% of excess casualty business.

Insurance Segment. The Insurance segment writes property and casualty insurance, including medical stop loss insurance, directly and through brokers, surplus lines brokers and general agents within the U.S., Canada and through the Company's Lloyd's Syndicate. In 2018, the Company's Insurance segment wrote \$2,250.6 million of gross written premiums, of which 71.0% was casualty and 29.0% was property, principally targeting commercial property and casualty business. Insurance business written directly through the Company's offices represented \$1,576.0 million or 70.0% of the segment's premium and \$674.6 million or 30% was written through program administrators.

The Everest Specialty Commercial unit wrote \$998.2 million in premium comprised of primary and excess casualty, and sports, leisure and entertainment business of \$579.0 million, direct monoline workers compensation writings of \$190.0 million and property business of \$229.2 million. Everest Underwriting Partners unit wrote \$458.8 million in premium comprised of \$210.8 million in workers compensation program business, \$46.3 million of non-standard auto business and \$201.7 million of other property and casualty business. A&H primary insurance wrote \$278.9 million in premium, Lloyd's Syndicate wrote \$151.4 million and our Canadian offices wrote \$77.2 million. The Everest

Specialty Underwriters unit wrote \$286.1 million in premium consisting primarily of management and professional liability coverages for financial institutions and other commercial enterprises.

8

Geographic Areas. The Company conducts its business in Bermuda, the U.S. and a number of foreign countries. For select financial information about geographic areas, see ITEM 8, “Financial Statements and Supplementary Data” - Note 17 of Notes to the Consolidated Financial Statements. Risks attendant to the foreign operations of the Company parallel those attendant to the U.S. operations of the Company, with the primary exception of foreign exchange risks. For more information about the risks, see ITEM 7, “Management’s Discussion and Analysis of Financial Condition and Results of Operations – Safe Harbor Disclosure”.

Underwriting.

One of the Company’s strategies is to “lead” as many of the reinsurance treaties it underwrites as possible. The Company leads on approximately two-thirds of its treaty reinsurance business as measured by premium. The lead reinsurer on a treaty generally accepts one of the largest percentage shares of the treaty and is in the strongest position to negotiate price, terms and conditions. Management believes this strategy enables it to obtain more favorable terms and conditions on the treaties on which it participates. When the Company does not lead the treaty, it may still suggest changes to any aspect of the treaty. The Company may decline to participate on a treaty based upon its assessment of all relevant factors.

The Company’s treaty underwriting process involves a team approach among the Company’s underwriters, actuaries and claim staff. Treaties are reviewed for compliance with the Company’s general underwriting standards and most larger treaties are subjected to detailed actuarial analysis. The actuarial models used in such analyses are tailored in each case to the subject exposures and loss experience. The Company does not separately evaluate each of the individual risks assumed under its treaties. The Company does, however, evaluate the underwriting guidelines of its ceding companies to determine their adequacy prior to entering into a treaty. The Company may also conduct underwriting, operational and claim audits at the offices of ceding companies to monitor adherence to underwriting guidelines. Underwriting audits focus on the quality of the underwriting staff, pricing and risk selection and rate monitoring over time. Claim audits may be performed in order to evaluate the client’s claims handling abilities and practices.

The Company’s facultative underwriters operate within guidelines specifying acceptable types of risks, limits and maximum risk exposures. Specified classes of large premium U.S. risks are referred to Everest Re’s New York facultative headquarters for specific review before premium quotations are given to clients. In addition, the Company’s guidelines require certain types of risks to be submitted for review because of their aggregate limits, complexity or volatility, regardless of premium amount on the underlying contract. Non-U.S. risks exhibiting similar characteristics are reviewed by senior managers within the involved operations.

In addition to its own underwriting staff, the Company’s insurance operations write casualty coverages for homogeneous risks through select program managers. These programs are evaluated based upon actuarial analysis and the program manager’s capabilities. The Company’s rates, forms and underwriting guidelines are tailored to specific risk types. The Company’s underwriting, actuarial, claim and financial functions work closely with its program managers to establish appropriate underwriting and processing guidelines as well as appropriate performance monitoring mechanisms.

Risk Management of Underwriting and Reinsurance Arrangements

Underwriting Risk and Accumulation Controls. Each segment and business unit manages its underwriting risk in accordance with established guidelines. These guidelines place dollar limits on the amount of business that can be written based on a variety of factors, including (re)insured company profile, line of business, geographic location and risk hazards. In each case, the guidelines permit limited exceptions, which must be authorized by the Company’s senior management. Management regularly reviews and revises these guidelines in response to changes in business unit product offerings, market conditions, risk versus reward analyses and the Company’s enterprise and underwriting risk management processes.

The operating results and financial condition of the Company can be adversely affected by catastrophe and other large losses. The Company manages its exposure to catastrophes and other large losses by:

- selective underwriting practices;
- diversifying its risk portfolio by geographic area and by types and classes of business;
- limiting its aggregate catastrophe loss exposure in any particular geographic zone and contiguous zones;
- purchasing reinsurance and/or retrocessional protection to the extent that such coverage can be secured cost-effectively. See “Reinsurance and Retrocession Arrangements”.

Like other insurance and reinsurance companies, the Company is exposed to multiple insured losses arising out of a single occurrence, whether a natural event, such as a hurricane or an earthquake, or other catastrophe, such as an explosion at a major factory. A large catastrophic event can be expected to generate insured losses to multiple reinsurance treaties, facultative certificates and direct insurance policies across various lines of business.

The Company focuses on potential losses that could result from any single event or series of events as part of its evaluation and monitoring of its aggregate exposures to catastrophic events. Accordingly, the Company employs various techniques to estimate the amount of loss it could sustain from any single catastrophic event or series of events in various geographic areas. These techniques range from deterministic approaches, such as tracking aggregate limits exposed in catastrophe-prone zones and applying reasonable damage factors, to modeled approaches that attempt to scientifically measure catastrophe loss exposure using sophisticated Monte Carlo simulation techniques that forecast frequency and severity of potential losses on a probabilistic basis.

No single computer model, or group of models, is currently capable of projecting the amount and probability of loss in all global geographic regions in which the Company conducts business. In addition, the form, quality and granularity of underwriting exposure data furnished by (re)insureds is not uniformly compatible with the data requirements for the Company’s licensed models, which adds to the inherent imprecision in the potential loss projections. Further, the results from multiple models and analytical methods must be combined to estimate potential losses by and across business units. Also, while most models have been updated to incorporate claims information from recent catastrophic events, catastrophe model projections are still inherently imprecise. In addition, uncertainties with respect to future climatic patterns and cycles could add further uncertainty to loss projections from models based on historical data.

Nevertheless, when combined with traditional risk management techniques and sound underwriting judgment, catastrophe models are a useful tool for underwriters to price catastrophe exposed risks and for providing management with quantitative analyses with which to monitor and manage catastrophic risk exposures by zone and across zones for individual and multiple events.

Projected catastrophe losses are generally summarized in terms of the probable maximum loss (“PML”). The Company defines PML as its anticipated loss, taking into account contract terms and limits, caused by a single catastrophe affecting a broad contiguous geographic area, such as that caused by a hurricane or earthquake. The PML will vary depending upon the modeled simulated losses and the make-up of the in force book of business. The projected severity levels are described in terms of “return periods”, such as “100-year events” and “250-year events”. For example, a 100-year PML is the estimated loss to the current in-force portfolio from a single event which has a 1% probability of being exceeded in a twelve month period. In other words, it corresponds to a 99% probability that the loss from a single event will fall below the indicated PML. It is important to note that PMLs are estimates. Modeled events are hypothetical events produced by a stochastic model. As a result, there can be no assurance that any actual event will align with the modeled event or that actual losses from events similar to the modeled events will not vary materially

from the modeled event PML.

10

From an enterprise risk management perspective, management sets limits on the levels of catastrophe loss exposure the Company may underwrite. The limits are revised periodically based on a variety of factors, including but not limited to the Company's financial resources and expected earnings and risk/reward analyses of the business being underwritten.

The Company may purchase reinsurance to cover specific business written or the potential accumulation or aggregation of exposures across some or all of its operations. Reinsurance purchasing decisions consider both the potential coverage and market conditions including the pricing, terms, conditions, availability and collectability of coverage, with the aim of securing cost effective protection from financially secure counterparties. The amount of reinsurance purchased has varied over time, reflecting the Company's view of its exposures and the cost of reinsurance.

Management estimates that the projected net economic loss from its largest 100-year event in a given zone represents approximately 10% of its December 31, 2018 shareholders' equity. Economic loss is the PML exposure, net of third party reinsurance, reduced by estimated reinstatement premiums to renew coverage and estimated income taxes. The impact of income taxes on the PML depends on the distribution of the losses by corporate entity, which is also affected by inter-affiliate reinsurance. Management also monitors and controls its largest PMLs at multiple points along the loss distribution curve, such as loss amounts at the 20, 50, 100, 250, 500 and 1,000 year return periods. This process enables management to identify and control exposure accumulations and to integrate such exposures into enterprise risk, underwriting and capital management decisions.

The Company's catastrophe loss projections, segmented by risk zones, are updated quarterly and reviewed as part of a formal risk management review process. The table below reflects the Company's PML exposure, net of third party reinsurance at various return periods for its top three zones/perils (as ranked by the largest 1 in 100 year economic loss) based on loss projection data as of January 1, 2019, adjusted to reflect Industry Loss Warranty (ILW) purchases at the same level the Company had available during 2018.

| Return Periods (in years) | 1 in 20 | 1 in 50 | 1 in 100 | 1 in 250 | 1 in 500 | 1 in 1,000 |
|---------------------------|---------|---------|----------|----------|----------|------------|
| Exceeding Probability | 5.0% | 2.0% | 1.0% | 0.4% | 0.2% | 0.1% |
| (Dollars in millions) | | | | | | |
| Zone/ Peril | | | | | | |
| Southeast U.S., Wind | \$ 639 | \$ 888 | \$ 1,036 | \$ 1,315 | \$ 1,583 | \$ 2,444 |
| California, Earthquake | 136 | 470 | 781 | 1,132 | 1,302 | 1,571 |
| Texas, Wind | 158 | 467 | 769 | 1,077 | 1,152 | 1,236 |

The projected net economic losses, defined as PML exposures, net of third party reinsurance, reinstatement premiums and estimated income taxes, for the top three zones/perils scheduled above are as follows:

| Return Periods (in years) | 1 in 20 | 1 in 50 | 1 in 100 | 1 in 250 | 1 in 500 | 1 in 1,000 |
|---------------------------|---------|---------|----------|----------|----------|------------|
| Exceeding Probability | 5.0% | 2.0% | 1.0% | 0.4% | 0.2% | 0.1% |
| (Dollars in millions) | | | | | | |
| Zone/ Peril | | | | | | |
| Southeast U.S., Wind | \$ 440 | \$ 636 | \$ 759 | \$ 986 | \$ 1,198 | \$ 1,883 |
| California, Earthquake | 111 | 374 | 626 | 903 | 1,045 | 1,255 |
| Texas, Wind | 121 | 354 | 578 | 809 | 871 | 941 |

The Company believes that its methods of monitoring, analyzing and managing catastrophe exposures provide a credible risk management framework, which is integrated with its enterprise risk management, underwriting and capital management plans. However, there is much uncertainty and imprecision inherent in the catastrophe models and the catastrophe loss estimation process generally. As a result, there can be no assurance that the Company will not experience losses from individual events that exceed the PML or other return period projections, perhaps by a material amount. Nor can there be assurance that the Company will not experience events impacting multiple zones, or multiple severe events that could, in the aggregate, exceed the Company's PML expectations by a significant amount.

Terrorism Risk. While the Company writes some reinsurance contracts covering terrorism, the Company's risk management philosophy is to limit the amount of exposure by geographic region, and to strictly manage coverage for properties in areas that may be considered a target for terrorists. Providing terrorism coverage on reinsurance contracts is negotiable, and many, but not all, treaties contain exclusions which limit much of this risk. While many property insurance policies are required to offer coverage for terrorism, this coverage is often not purchased. However, terrorism is typically covered by worker compensation policies. As a result, the Company is exposed to losses from terrorism on both its reinsurance and its insurance book of business, particularly its workers' compensation and property policies. However, the insurance book generally does not insure large corporations or corporate locations that represent large concentrations of risk.

The U.S. Terrorism Risk Insurance Program Reauthorization Act of 2015 provides some protection to the insurance book of business. It also provides indirect protection to exposed reinsurance treaties. However, the Company is still exposed to risk of loss from terrorism due to deductibles, co-pays and uncovered lines of business.

Reinsurance and Retrocession Arrangements. The Company may purchase reinsurance to cover specific business written or the potential accumulation or aggregation of exposures across some or all of its operations. Reinsurance purchasing decisions consider both the potential coverage and market conditions including the pricing, terms, conditions and availability of coverage, with the aim of securing cost effective protection. The amount of reinsurance purchased has varied over time, reflecting the Company's view of its exposures and the cost of reinsurance. In recent years, the Company has increased its use of reinsurance offered through capital market facilities.

The Company participates in "common account" retrocessional arrangements for certain reinsurance treaties whereby a ceding company purchases reinsurance for the benefit of itself and its reinsurers under one or more of its reinsurance treaties. Common account retrocessional arrangements reduce the effect of individual or aggregate losses to all participating companies, including the ceding company, with respect to the involved treaties.

All of the Company's reinsurance and retrocessional agreements transfer significant reinsurance risk and therefore, are accounted for as reinsurance in accordance with the Financial Accounting Standards Board ("FASB") guidance.

At December 31, 2018, the Company had \$1,787.6 million in reinsurance receivables with respect to both paid and unpaid losses ceded. Of this amount, \$683.8 million, or 38.3%, was receivable from Mt. Logan Re collateralized segregated accounts; \$125.5 million, or 7.0%, was receivable from Munich Reinsurance America, Inc. ("Munich Re"); \$122.1 million, or 6.8%, was receivable from Zurich Versicherungs Gesellschaft ("Zurich"); and \$103.1 million, or 5.8%, was receivable from Resolution Group Reinsurance (Barbados) Limited ("Resolution Group"). The receivables from Resolution Group are fully collateralized by an individual trust agreement. No other retrocessionaire accounted for more than 5% of our receivables. Although management carefully selects its reinsurers, the Company is subject to credit risk with respect to its reinsurance because the ceding of risk to reinsurers does not relieve the Company of its liability to insureds or ceding companies. See ITEM 7, "Management's Discussion and Analysis of Financial Condition and Results of Operations – Financial Condition".

Claims.

Reinsurance claims are managed by the Company's professional claims staff whose responsibilities include reviewing initial loss reports and coverage issues, monitoring claims handling activities of ceding companies, establishing and adjusting proper case reserves and approving payment of claims. In addition to claims assessment, processing and payment, the claims staff selectively conducts comprehensive claim audits of both specific claims and overall claim procedures at the offices of selected ceding companies. Insurance claims are generally handled by third party claims service providers who have limited authority and are subject to oversight by the Company's professional claims staff.

The Company intensively manages its asbestos and environmental (“A&E”) exposures through a dedicated, centrally managed claim staff with experienced claim and legal professionals who specialize in the handling of such exposures. They actively manage each individual insured and reinsured account, responding to claim developments with evaluations of the involved exposures and adjustment of reserves as appropriate. Specific or general claim developments that may have material implications for the Company are regularly communicated to senior management, actuarial, legal and financial areas. Senior management and claim management personnel meet at least quarterly to review the Company’s overall reserve positions and make changes, if appropriate. The Company continually reviews its internal processing, communications and analytics, seeking to enhance the management of its A&E exposures, in particular in regard to changes in asbestos claims and litigation.

Reserves for Unpaid Property and Casualty Losses and LAE.

Significant periods of time may elapse between the occurrence of an insured loss, the reporting of the loss to the insurer and the reinsurer and the payment of that loss by the insurer and subsequent payments to the insurer by the reinsurer. To recognize liabilities for unpaid losses and LAE, insurers and reinsurers establish reserves, which are balance sheet liabilities representing estimates of future amounts needed to pay reported and unreported claims and related expenses for losses that have already occurred. Actual losses and LAE paid may deviate, perhaps substantially, from such reserves. To the extent reserves prove to be insufficient to cover actual losses and LAE after taking into account available reinsurance coverage, the Company would have to recognize such reserve shortfalls and incur a charge to earnings, which could be material in the period such recognition takes place. See ITEM 7, “Management’s Discussion and Analysis of Financial Condition and Results of Operations — Loss and LAE Reserves”.

As part of the reserving process, insurers and reinsurers evaluate historical data and trends and make judgments as to the impact of various factors such as legislative and judicial developments that may affect future claim amounts, changes in social and political attitudes that may increase loss exposures and inflationary and general economic trends. While the reserving process is difficult and subjective for insurance companies, the inherent uncertainties of estimating such reserves are even greater for the reinsurer, due primarily to the longer time between the date of an occurrence and the reporting of any attendant claims to the reinsurer, the diversity of development patterns among different types of reinsurance treaties or facultative contracts, the necessary reliance on the ceding companies for information regarding reported claims and differing reserving practices among ceding companies. In addition, trends that have affected development of liabilities in the past may not necessarily occur or affect liability development in the same manner or to the same degree in the future. As a result, actual losses and LAE may deviate, perhaps substantially, from estimates of reserves reflected in the Company's consolidated financial statements.

The Company’s loss and LAE reserves represent management’s best estimate of the ultimate liability. While there can be no assurance that these reserves will not need to be increased in the future, management believes that the Company’s existing reserves and reserving methodologies reduce the likelihood that any such increases would have a material adverse effect on the Company’s financial condition, results of operations or cash flows. These statements regarding the Company’s loss reserves are forward looking statements within the meaning of the U.S. federal securities laws and are intended to be covered by the safe harbor provisions contained therein. See ITEM 7, “Management’s Discussion and Analysis of Financial Condition and Results of Operations – Safe Harbor Disclosure”.

Like many other property and casualty insurance and reinsurance companies, the Company has experienced loss development for prior accident years, which has impacted losses and LAE reserves and caused corresponding effects to income (loss) in the periods in which the adjustments were made. There can be no assurance that adverse development from prior years will not occur in the future or that such adverse development will not have a material adverse effect on net income (loss).

The following table presents a reconciliation of beginning and ending reserve balances for the periods indicated on a GAAP basis:

| (Dollars in millions) | Years Ended December 31, | | |
|--|--------------------------|------------|------------|
| | 2018 | 2017 | 2016 |
| Gross reserves at beginning of period | \$11,884.3 | \$10,312.3 | \$9,951.8 |
| Incurred related to: | | | |
| Current year | 5,264.3 | 4,816.0 | 3,434.9 |
| Prior years | 387.1 | (293.4) | (295.3) |
| Total incurred losses | 5,651.4 | 4,522.6 | 3,139.6 |
| Paid related to: | | | |
| Current year | 1,700.7 | 1,280.6 | 745.6 |
| Prior years | 3,011.2 | 2,062.6 | 2,043.0 |
| Total paid losses | 4,711.9 | 3,343.2 | 2,788.6 |
| Foreign exchange/translation adjustment | (111.7) | 170.9 | (99.9) |
| Change in reinsurance receivables on unpaid losses and LAE | 407.0 | 221.8 | 109.4 |
| Gross reserves at end of period | \$13,119.1 | \$11,884.3 | \$10,312.3 |

(Some amounts may not reconcile due to rounding.)

Current year incurred losses were \$5,264.3 million, \$4,816.0 million and \$3,434.9 million at December 31, 2018, 2017 and 2016, respectively. The increase in current year incurred losses was primarily due to an increase in attritional losses due to a 16.7% increase in premiums earned. The \$407.0 million increase in reinsurance recoverables from December 31, 2018 to December 31, 2017 is primarily related to the additional catastrophe losses incurred in 2018 as well as a retroactive reinsurance transaction with a Mt. Logan Re segregated account effective in the second quarter of 2018.

Incurred prior years' reserves increased by \$387.1 million in 2018 and decreased by \$293.4 million and \$295.3 million in 2017 and 2016, respectively. The increase for 2018 was mainly due to \$561.2 million of adverse development on prior years catastrophe losses, primarily related to Hurricanes Harvey, Irma and Maria, as well as the 2017 California wildfires. The increase in loss estimates for Hurricanes Harvey, Irma and Maria was mostly driven by re-opened claims, loss inflation from higher than expected loss adjustment expenses and in particular, their impact on aggregate covers. This reserve increase was partially offset by \$174.1 million of favorable development on prior years attritional losses which mainly related to U.S. and international property and casualty reinsurance business, as well as favorable development in the Insurance segment which largely related to workers' compensation business.

The decrease for 2017 was attributable to favorable development in the reinsurance segments of \$238.4 million, related primarily to property and short-tail business in the U.S. and Bermuda as well as favorable development on prior year catastrophe losses, partially offset by \$37.1 million of adverse development on A&E reserves. The insurance segment also experienced favorable development on prior year reserves of \$55.0 million mainly on its workers compensation business, which is largely written in California.

The decrease for 2016 was attributable to favorable development in the reinsurance segments of \$468.7 million related primarily to property and short-tail business in the U.S., property business in Canada, Latin America, Middle East and Africa, as well as favorable development on prior year catastrophe losses, partially offset by \$53.9 million of adverse development on asbestos and environmental ("A&E") reserves. Part of the favorable development in the reinsurance segments related to the 2015 loss from the explosion at the Chinese port of Tianjin. In 2015, this loss was originally

estimated to be \$60.0 million. At December 31, 2016, this loss was projected to be \$16.7 million resulting in \$43.3 million of favorable development in 2016. The net favorable development in the reinsurance segments was partially offset by \$173.4 million of unfavorable development in the insurance segment primarily related to run-off construction liability and umbrella program business.

Since the Company has operations in many countries, part of the Company's loss and LAE reserves are in foreign currencies and translated to U.S. dollars for each reporting period. Fluctuations in the exchange rates for the currencies, period over period, affect the U.S. dollar amount of outstanding reserves. The translation adjustment line at the bottom of the table eliminates the impact of the exchange fluctuations from the reserve re-estimates.

14

The Company's loss reserving methodologies continuously monitor the emergence of loss and loss development trends, seeking, on a timely basis, to both adjust reserves for the impact of trend shifts and to factor the impact of such shifts into the Company's underwriting and pricing on a prospective basis.

Reserves for Asbestos and Environmental Losses and LAE.

At December 31, 2018, the Company's gross reserves for A&E claims represented 2.6% of its total reserves. The Company's A&E liabilities stem from Mt. McKinley's direct insurance business and Everest Re's assumed reinsurance business. Liabilities related to Mt. McKinley's direct business, which had been ceded to Bermuda Re previously, were retroceded to an affiliate of Clearwater Insurance Company in July 2015, concurrent with the sale of Mt. McKinley to Clearwater Insurance Company. There are significant uncertainties in estimating the amount of the Company's potential losses from A&E claims and ultimate values cannot be estimated using traditional reserving techniques. See ITEM 7, "Management's Discussion and Analysis of Financial Condition and Results of Operations – Asbestos and Environmental Exposures" and Item 8, "Financial Statements and Supplementary Data" - Note 3 of Notes to Consolidated Financial Statements.

The following table summarizes the composition of the Company's total reserves for A&E losses, gross and net of reinsurance, for the periods indicated:

| (Dollars in millions) | Years Ended December 31, | | |
|------------------------|--------------------------|---------|---------|
| | 2018 | 2017 | 2016 |
| Gross reserves | \$347.5 | \$449.0 | \$441.1 |
| Reinsurance receivable | (86.0) | (130.9) | (122.0) |
| Net reserves | \$261.5 | \$318.1 | \$319.1 |

(Some amounts may not reconcile due to rounding.)

On July 13, 2015, the Company sold Mt. McKinley to Clearwater Insurance Company. Concurrently with the closing, the Company entered into a retrocession treaty with an affiliate of Clearwater. Per the retrocession treaty, the Company retroceded 100% of the liabilities associated with certain Mt. McKinley policies, which had been reinsured by Bermuda Re. As consideration for entering into the retrocession treaty, Bermuda Re transferred cash of \$140.3 million, an amount equal to the net loss reserves as of the closing date. Of the \$140.3 million of net loss reserves retroceded, \$100.5 million were related to A&E business. The maximum liability retroceded under the retrocession treaty will be \$440.3 million, equal to the retrocession payment plus \$300.0 million. The Company will retain liability for any amounts exceeding the maximum liability retroceded under the retrocession treaty.

Additional losses, including those relating to latent injuries and other exposures, which are as yet unrecognized, the type or magnitude of which cannot be foreseen by either the Company or the industry, may emerge in the future. Such future emergence could have material adverse effects on the Company's future financial condition, results of operations and cash flows.

Future Policy Benefit Reserves.

The Company wrote a limited amount of life and annuity reinsurance in its Bermuda segment. Future policy benefit liabilities for annuities are reported at the accumulated fund balance of these contracts. Reserves for those liabilities include mortality provisions with respect to life and annuity claims, both reported and unreported. Actual experience in a particular period may be worse than assumed experience and, consequently, may adversely affect the Company's operating results for that period. See ITEM 8, "Financial Statements and Supplementary Data" - Note 1F of Notes to Consolidated Financial Statements.

Activity in the reserve for future policy benefits is summarized for the periods indicated:

| (Dollars in millions) | At December 31, | | |
|-----------------------------------|-----------------|--------|--------|
| | 2018 | 2017 | 2016 |
| Balance at beginning of year | \$51.0 | \$55.1 | \$58.9 |
| Liabilities assumed | 0.1 | 0.1 | 0.2 |
| Adjustments to reserves | 0.8 | (0.4) | 0.3 |
| Benefits paid in the current year | (5.1) | (3.7) | (4.3) |
| Balance at end of year | \$46.8 | \$51.0 | \$55.1 |

(Some amounts may not reconcile due to rounding.)

Investments.

The board of directors of each of the Company's operating subsidiaries is responsible for establishing investment policy and guidelines and, together with senior management, for overseeing their execution.

The Company's principal investment objectives are to ensure funds are available to meet its insurance and reinsurance obligations and to maximize after-tax investment income while maintaining a high quality diversified investment portfolio. Considering these objectives, the Company views its investment portfolio as having two components: 1) the investments needed to satisfy outstanding liabilities (its core fixed maturities portfolio) and 2) investments funded by the Company's shareholders' equity.

For the portion needed to satisfy global outstanding liabilities, the Company generally invests in taxable and tax-preferenced fixed income securities with an average credit quality of Aa3. For the U.S. portion of this portfolio, the Company's mix of taxable and tax-preferenced investments is adjusted periodically, consistent with the Company's current and projected U.S. operating results, market conditions and our tax position. This global fixed maturity securities portfolio is externally managed by independent, professional investment managers using portfolio guidelines approved by the Company.

Over the past several years, the Company has expanded the allocation of its investments funded by shareholders' equity to include: 1) a greater percentage of publicly traded equity securities, 2) emerging market fixed maturities through mutual fund structures, as well as individual holdings, 3) high yield fixed maturities, 4) bank and private loan securities and 5) private equity limited partnership investments. The objective of this portfolio diversification is to enhance the risk-adjusted total return of the investment portfolio by allocating a prudent portion of the portfolio to higher return asset classes, which are also less subject to changes in value with movements in interest rates. The Company limits its allocation to these asset classes because of 1) the potential for volatility in their values and 2) the impact of these investments on regulatory and rating agency capital adequacy models. The Company uses investment managers experienced in these markets and adjusts its allocation to these investments based upon market conditions. At December 31, 2018, the market value of investments in these investment market sectors, carried at both market and fair value, approximated 52% of shareholders' equity.

The duration of an investment is based on the maturity of the security but also reflects the payment of interest and the possibility of early prepayments. The Company's fixed income investment guidelines include a general duration guideline. This investment duration guideline is established and periodically revised by management, which considers economic and business factors, as well as the Company's average duration of potential liabilities, which, at December 31, 2018, is estimated at approximately 3.0 years, based on the estimated payouts of underwriting liabilities using standard duration calculations.

The duration of the fixed income portfolio at December 31, 2018 and 2017 was 3.0 years and 3.1 years, respectively. The Company shortened the duration of its portfolio in recent years in response to very low available yields, particularly on securities with longer maturities. As a result, the Company has focused on purchasing high quality, shorter duration investments and investments with floating rate yields. These investments will be less subject to decline in market value as interest rates rise in the future, as forecasted by most investment analysts.

For each currency in which the Company has established substantial loss and LAE reserves, the Company seeks to maintain invested assets denominated in such currency in an amount approximately equal to the

16

estimated liabilities. Approximately 29% of the Company's consolidated reserves for losses and LAE and unearned premiums represent amounts payable in foreign currencies.

The Company's net investment income was \$581.2 million, \$542.9 million and \$473.1 million for the years ended December 31, 2018, 2017 and 2016, respectively. The increase from 2017 to 2018 was primarily due to higher income from the growing fixed income portfolio and an increase in limited partnership income, partially offset by lower dividend income from our equity portfolio. The increase from 2016 to 2017 was primarily due to an increase in limited partnership income and higher income from the growing fixed income portfolio, partially offset by lower dividend income from our equity portfolio.

The Company had net realized capital losses for 2018 of \$127.1 million. In 2018, the Company recorded \$67.3 million of net losses from fair value re-measurements, \$51.7 million of net realized capital losses from sales of investments and \$8.1 million of other-than-temporary impairments. In 2017, net realized capital gains were \$153.2 million due to \$139.0 million of net gains from fair value re-measurements and \$21.3 million of net realized capital gains from sales of investments, partially offset by \$7.1 million of other-than-temporary impairments. In 2016, net realized capital losses were \$7.2 million due to \$31.6 million of other-than-temporary impairments on fixed maturity securities, \$28.0 million of realized capital loss from the sale of its Heartland subsidiary and \$6.7 million of net realized capital losses from sales of investments, partially offset by \$59.1 million of gains due to fair value re-measurements.

The Company's cash and invested assets totaled \$18.4 billion at December 31, 2018, which consisted of 87.5% fixed maturities and cash, of which 91.8% were investment grade; 8.6% other invested assets and 3.9% equity securities. The average maturity of fixed maturity securities was 3.9 years at December 31, 2018, and their overall duration was 3.0 years.

As of December 31, 2018, the Company did not have any direct investments in commercial real estate or direct commercial mortgages or any material holdings of derivative investments (other than equity index put option contracts as discussed in ITEM 8, "Financial Statements and Supplementary Data" - Note 4 of Notes to Consolidated Financial Statements) or securities of issuers that are experiencing cash flow difficulty to an extent that the Company's management believes could threaten the issuer's ability to meet debt service payments, except where other-than-temporary impairments have been recognized.

The Company's investment portfolio includes structured commercial mortgage-backed securities ("CMBS") with a book value of \$329.9 million and a market value of \$326.7 million. CMBS securities comprising more than 97% of the December 31, 2018 market value are rated AAA by Standard & Poor's Financial Services LLC ("Standard & Poor's"). Furthermore, CMBS securities comprising more than 98% of the market value are rated investment grade by Standard & Poor's.

The following table reflects investment results for the Company for the periods indicated:

| | December 31, | | | | Pre-tax | Pre-tax |
|-----------------------|--------------------|--------------------------|--------------------|-------------------------------|---------------------------|---------|
| | Average | Pre-tax | Pre-tax | Realized Net | Unrealized Net | |
| (Dollars in millions) | Investments (1) | Investment Income (2) | Effective Yield | Capital (Losses) Gains (3) | Capital Gains (Losses) | |
| 2018 | \$18,430.8 | \$ 581.2 | 3.15 | % \$ (127.1 |) \$ (250.9 |) |
| 2017 | 17,840.2 | 542.9 | 3.04 | % 153.2 | (94.8 |) |
| 2016 | 16,967.2 | 473.1 | 2.79 | % (7.2 |) 96.6 | |

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| | | | | | | | | |
|------|----------|-------|------|---|--------|---|--------|---|
| 2015 | 16,692.8 | 473.5 | 2.84 | % | (184.1 |) | (194.0 |) |
| 2014 | 16,487.5 | 530.5 | 3.22 | % | 84.0 | | 20.3 | |

Average of the beginning and ending carrying values of investments and cash, less net funds held, future policy (1) benefit reserve, and non-interest bearing cash. Bonds, common stock and redeemable and non-redeemable preferred stocks are carried at market value. Common stock, which are actively managed, are carried at fair value.

(2) After investment expenses, excluding realized net capital gains (losses).

(3) Included in 2018, 2017, 2016, 2015 and 2014 are fair value re-measurements of (\$67.3) million, \$139.0 million, \$59.1 million, (\$45.6) million and \$121.7 million, respectively.

(Some amounts may not reconcile due to rounding.)

17

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The amortized cost, market value and gross unrealized appreciation and depreciation of available for sale, fixed maturity, equity security investments, carried at market value and other-than-temporary impairments (“OTTI”) in accumulated other comprehensive income (“AOCI”) are as follows for the periods indicated:

| (Dollars in thousands) | At December 31, 2018 | | | | OTTI in AOCI (a) |
|---|----------------------|-------------------------|-------------------------|--------------|------------------|
| | Amortized Cost | Unrealized Appreciation | Unrealized Depreciation | Market Value | |
| Fixed maturity securities | | | | | |
| U.S. Treasury securities and obligations of U.S. government agencies and corporations | \$2,629.5 | \$ 16.8 | \$ (15.2) | \$2,631.1 | \$ - |
| Obligations of U.S. states and political subdivisions | 490.0 | 12.9 | (2.8) | 500.1 | 0.4 |
| Corporate securities | 5,538.6 | 48.5 | (141.6) | 5,445.5 | 1.7 |
| Asset-backed securities | 545.4 | 0.2 | (5.5) | 540.1 | - |
| Mortgage-backed securities | | | | | |
| Commercial | 329.9 | 2.2 | (5.4) | 326.7 | - |
| Agency residential | 1,832.8 | 7.3 | (43.8) | 1,796.3 | - |
| Non-agency residential | 10.2 | - | - | 10.2 | - |
| Foreign government securities | 1,335.3 | 34.7 | (55.8) | 1,314.2 | 0.1 |
| Foreign corporate securities | 2,694.9 | 64.0 | (97.8) | 2,661.1 | 0.3 |
| Total fixed maturity securities | \$15,406.6 | \$ 186.6 | \$ (367.9) | \$15,225.3 | \$ 2.5 |
| Equity securities | \$- | \$ - | \$ - | \$- | \$ - |

(Some amounts may not reconcile due to rounding.)

| (Dollars in thousands) | At December 31, 2017 | | | | OTTI in AOCI (a) |
|---|----------------------|-------------------------|-------------------------|--------------|------------------|
| | Amortized Cost | Unrealized Appreciation | Unrealized Depreciation | Market Value | |
| Fixed maturity securities | | | | | |
| U.S. Treasury securities and obligations of U.S. government agencies and corporations | \$1,541.0 | \$ 9.8 | \$ (14.1) | \$1,536.7 | \$ - |
| Obligations of U.S. states and political subdivisions | 563.8 | 22.1 | (0.4) | 585.5 | - |
| Corporate securities | 5,658.4 | 81.8 | (41.2) | 5,699.0 | 2.5 |
| Asset-backed securities | 532.5 | 0.9 | (2.0) | 531.4 | - |
| Mortgage-backed securities | | | | | |
| Commercial | 235.8 | 0.6 | (2.4) | 234.0 | - |
| Agency residential | 2,236.3 | 10.4 | (35.8) | 2,210.9 | - |
| Non-agency residential | 0.5 | - | (0.1) | 0.4 | - |
| Foreign government securities | 1,305.1 | 43.8 | (34.8) | 1,314.1 | 0.2 |
| Foreign corporate securities | 2,616.2 | 77.0 | (48.4) | 2,644.8 | 0.9 |
| Total fixed maturity securities | \$14,689.6 | \$ 246.4 | \$ (179.2) | \$14,756.8 | \$ 3.6 |
| Equity securities | \$130.3 | \$ 2.6 | \$ (3.4) | \$129.5 | \$ - |

(Some amounts may not reconcile due to rounding.)

(a) Represents the amount of OTTI recognized in AOCI. Amount includes unrealized gains and losses on impaired securities relating to changes in the value of such securities subsequent to the impairment measurement date.

The following table represents the credit quality distribution of the Company's fixed maturities for the periods indicated:

| (Dollars in millions) Rating Agency Credit Quality Distribution: | At December 31, 2018 | | 2017 | | | |
|---|-------------------------|---------------------|-----------------|---------------------|---|--|
| | Market Value | Percent of Total | Market Value | Percent of Total | | |
| AAA | \$6,698.1 | 44.0 | % \$5,909.1 | 40.0 | % | |
| AA | 2,345.0 | 15.4 | % 2,544.9 | 17.2 | % | |
| A | 3,082.2 | 20.2 | % 3,374.0 | 22.9 | % | |
| BBB | 1,783.7 | 11.7 | % 1,637.0 | 11.1 | % | |
| BB | 609.0 | 4.0 | % 640.0 | 4.3 | % | |
| B | 270.0 | 1.8 | % 333.3 | 2.3 | % | |
| Rated below B | 18.6 | 0.1 | % 29.9 | 0.2 | % | |
| Other | 418.7 | 2.8 | % 288.6 | 2.0 | % | |
| Total | \$15,225.3 | 100.0 | % \$14,756.8 | 100.0 | % | |

(Some amounts may not reconcile due to rounding.)

The following table summarizes fixed maturities by contractual maturity for the periods indicated:

| (Dollars in millions) | At December 31, | | | | | |
|--|-----------------|------------------|---------------|------------------|---|--|
| | 2018 | | 2017 | | | |
| | Market Value | Percent of Total | Market Value | Percent of Total | | |
| Fixed maturity securities - available for sale | | | | | | |
| Due in one year or less | \$ 1,330.5 | 8.7 | % \$ 1,050.1 | 7.1 | % | |
| Due after one year through five years | 8,016.5 | 52.7 | % 7,554.3 | 51.2 | % | |
| Due after five years through ten years | 2,413.9 | 15.9 | % 2,231.5 | 15.1 | % | |
| Due after ten years | 791.1 | 5.2 | % 944.2 | 6.4 | % | |
| Asset-backed securities | 540.1 | 3.5 | % 531.4 | 3.6 | % | |
| Mortgage-backed securities | 2,133.2 | 14.0 | % 2,445.3 | 16.6 | % | |
| Total fixed maturity securities | \$ 15,225.3 | 100.0 | % \$ 14,756.8 | 100.0 | % | |

(Some amounts may not reconcile due to rounding.)

Financial Strength Ratings.

The following table shows the current financial strength ratings of the Company's operating subsidiaries as reported by A.M. Best, Standard & Poor's and Moody's. These ratings are based upon factors of concern to policyholders and should not be considered an indication of the degree or lack of risk involved in a direct or indirect equity investment in an insurance or reinsurance company.

All of the below-mentioned ratings are continually monitored and revised, if necessary, by each of the rating agencies. The ratings presented in the following table were in effect as of January 29, 2019.

The Company believes that its ratings are important as they provide the Company's customers and its investors with an independent assessment of the Company's financial strength using a rating scale that provides for relative comparisons. Strong financial ratings are particularly important for reinsurance companies. Ceding companies must rely on their reinsurers to pay covered losses well into the future. As a result, a highly rated reinsurer is generally preferred.

Operating Subsidiary: A.M. Best Standard & Poor's Moody's

| | | | |
|---------------------------------------|---------------|-------------|-------------------|
| Everest Re | A+ (Superior) | A+ (Strong) | A1 (upper-medium) |
| Bermuda Re | A+ (Superior) | A+ (Strong) | A1 (upper-medium) |
| Ireland Re | A+ (Superior) | A+ (Strong) | Not Rated |
| Everest National | A+ (Superior) | A+ (Strong) | Not Rated |
| Everest Indemnity | A+ (Superior) | A+ (Strong) | Not Rated |
| Everest Security | A+ (Superior) | Not Rated | Not Rated |
| Everest International Assurance, Ltd. | A+ (Superior) | A (Strong) | Not Rated |
| Everest Canada | A+ (Superior) | A+ (Strong) | Not Rated |
| Everest International | A+ (Superior) | Not Rated | Not Rated |
| Everest Denali | A+ (Superior) | Not Rated | Not Rated |
| Everest Premier | A+ (Superior) | Not Rated | Not Rated |
| Ireland Insurance | Not Rated | A+ (Strong) | Not Rated |

A.M. Best states that the “A+” (“Superior”) rating is assigned to those companies which, in its opinion, have a superior ability to meet their ongoing insurance policy and contract obligations based on A.M. Best’s comprehensive quantitative and qualitative evaluation of a company’s balance sheet strength, operating performance and business profile. A.M. Best affirmed these ratings on March 16, 2018. Standard & Poor’s states that the “A+”/“A” ratings are assigned to those insurance companies which, in its opinion, have strong financial security characteristics with respect to their ability to pay under its insurance policies and contracts in accordance with their terms. Standard & Poor’s affirmed these ratings on July 28, 2018. Moody’s states that an “A1” rating is assigned to companies that, in their opinion, offer upper-medium grade security and are subject to low credit risk. Moody’s affirmed these ratings on September 26, 2018.

Subsidiaries other than Everest Re and Bermuda Re may not be rated by some or any rating agencies because such ratings are not considered essential by the individual subsidiary's customers, because of the limited nature of the subsidiary's operations or because the subsidiaries are newly established and have not yet been rated by the agencies.

Debt Ratings.

The following table shows the debt ratings by A.M. Best, Standard & Poor's and Moody's of the Holdings' senior notes due June 1, 2044 and long term notes due May 1, 2067 both of which are considered investment grade. Debt ratings are the rating agencies' current assessment of the credit worthiness of an obligor with respect to a specific obligation.

| | A.M. Best | Standard & Poor's | Moody's |
|-----------------|----------------|-------------------|---------------------|
| Senior Notes | a- (Strong) | A- (Strong) | Baa1 (Medium Grade) |
| Long Term Notes | bbb (Adequate) | BBB (Adequate) | Baa2 (Medium Grade) |

Competition.

The worldwide reinsurance and insurance businesses are highly competitive, as well as cyclical by product and market. As such, financial results tend to fluctuate with periods of constrained availability, higher rates and stronger profits followed by periods of abundant capacity, lower rates and constrained profitability. Competition in the types of reinsurance and insurance business that we underwrite is based on many factors, including the perceived overall financial strength of the reinsurer or insurer, ratings of the reinsurer or insurer by A.M. Best and/or Standard & Poor's, underwriting expertise, the jurisdictions where the reinsurer or insurer is licensed or otherwise authorized, capacity and coverages offered, premiums charged, other terms and conditions of the reinsurance and insurance business offered, services offered, speed of claims payment and reputation and experience in lines written. Furthermore, the market impact from these competitive factors related to reinsurance and insurance is generally not consistent across lines of business, domestic and international geographical areas and distribution channels.

The Company competes in the U.S., Bermuda and international reinsurance and insurance markets with numerous global competitors. The Company's competitors include independent reinsurance and insurance companies, subsidiaries or affiliates of established worldwide insurance companies, reinsurance departments of certain insurance companies, domestic and international underwriting operations, including underwriting syndicates at Lloyd's of London and certain government sponsored risk transfer vehicles. Some of these competitors have greater financial resources than we do and have established long term and continuing business relationships, which can be a significant competitive advantage. In addition, the lack of strong barriers to entry into the reinsurance business and recently, the securitization of reinsurance and insurance risks through capital markets provide additional sources of potential reinsurance and insurance capacity and competition.

Worldwide insurance and reinsurance market conditions continued to be very competitive, particularly in the property catastrophe and casualty reinsurance lines of business. Generally, there was ample insurance and reinsurance capacity relative to demand, as well as, additional capital from the capital markets through insurance linked financial instruments. These financial instruments such as side cars, catastrophe bonds and collateralized reinsurance funds, provide capital markets with access to insurance and reinsurance risk exposure. The capital markets demand for these products is being primarily driven by the current low interest environment and the desire to achieve greater risk diversification and potentially higher returns on their investments. This increased competition is generally having a negative impact on rates, terms and conditions; however, the impact varies widely by market and coverage.

Rates tend to fluctuate by specific region and products, particularly areas recently impacted by large catastrophic events. There were numerous natural catastrophes in 2018, with total industry losses estimated to be \$90 billion. The costliest event was the Camp Wildfire in California, the deadliest and most destructive California fire on record. These

2018 catastrophe losses followed another record year of catastrophes in 2017 where total industry losses for the worldwide events were estimated at \$140 billion. These catastrophe losses included an unprecedented series of catastrophes in the third quarter of 2017 with Hurricanes Harvey, Irma and Maria, as well as a significant earthquake in Mexico City. Additional catastrophe events occurred in the

20

fourth quarter of 2017 with the wildfires in California and Hurricanes Nate and Ophelia. During 2016, catastrophe losses included the Fort McMurray Canadian wildfire, Hurricane Matthew which affected a large area of the Caribbean and southeastern United States, storms and an earthquake in Ecuador. While the future impact on market conditions from these catastrophes cannot be determined at this time, there was some firming in the markets impacted by the 2016 catastrophes and as catastrophe losses increased in 2017, there is a growing industry consensus that there will be some firming of (re)insurance rates for the areas impacted by the catastrophes.

Commencing in 2015, the Company initiated a strategic build out of its insurance platform through the investment in key leadership hires which in turn has brought significant underwriting talent and stronger direction in achieving its insurance program strategic goals of increased premium volume and improved underwriting results. Recent growth is coming from highly diversified areas including newly launched lines of business, as well as, product and geographic expansion in existing lines of business. The Company is building a world-class insurance platform capable of offering products across lines and geographies, complementing its leading global reinsurance franchise. As part of this initiative, the Company launched a new syndicate through Lloyd's of London and formed Ireland Insurance, providing the Company access to additional international business and new product opportunities to further diversify and broaden its insurance portfolio.

Overall, the Company believes that given its size, strong ratings, distribution system, reputation, expertise and capital market vehicle activity the current marketplace conditions provide profit opportunities. The Company continues to employ its strategy of targeting business that offers the greatest profit potential, while maintaining balance and diversification in its overall portfolio.

Employees.

As of February 1, 2019, the Company employed 1,415 persons. Management believes that employee relations are good. None of the Company's employees are subject to collective bargaining agreements, and the Company is not aware of any current efforts to implement such agreements.

Regulatory Matters.

The Company and its insurance subsidiaries are subject to regulation under the insurance statutes of the various jurisdictions in which they conduct business, including essentially all states of the U.S., Canada, Singapore, Brazil, the United Kingdom, Ireland and Bermuda. These regulations vary from jurisdiction to jurisdiction and are generally designed to protect ceding insurance companies and policyholders by regulating the Company's conduct of business, financial integrity and ability to meet its obligations. Many of these regulations require reporting of information designed to allow insurance regulators to closely monitor the Company's performance.

Insurance Holding Company Regulation. Under applicable U.S. laws and regulations, no person, corporation or other entity may acquire a controlling interest in the Company, unless such person, corporation or entity has obtained the prior approval for such acquisition from the insurance commissioners of Delaware and the other states in which the Company's insurance subsidiaries are domiciled or deemed domiciled, currently California and Georgia. Under these laws, "control" is presumed when any person acquires, directly or indirectly, 10% or more of the voting securities of an insurance company. To obtain the approval of any change in control, the proposed acquirer must file an application with the relevant insurance commissioner disclosing, among other things, the background of the acquirer and that of its directors and officers, the acquirer's financial condition and its proposed changes in the management and operations of the insurance company. U.S. state regulators also require prior notice or regulatory approval of material inter-affiliate transactions within the holding company structure.

The Insurance Companies Act of Canada requires prior approval by the Minister of Finance of anyone acquiring a significant interest in an insurance company authorized to do business in Canada. In addition, the Company is subject to regulation by the insurance regulators of other states and foreign jurisdictions in which it is authorized to do business. Certain of these states and foreign jurisdictions impose regulations regulating the ability of any person to

acquire control of an insurance company authorized to do business in that jurisdiction without appropriate regulatory approval similar to those described above.

21

Dividends. Under Bermuda law, Group is prohibited from declaring or paying a dividend if such payment would reduce the realizable value of its assets to an amount less than the aggregate value of its liabilities and its issued share capital and share premium (additional paid-in capital) accounts. Group's ability to pay dividends and its operating expenses is partially dependent upon dividends from its subsidiaries. The payment of dividends by insurance subsidiaries is limited under Bermuda law as well as the laws of the various U.S. states in which Group's insurance and reinsurance subsidiaries are domiciled or deemed domiciled. The limitations are generally based upon net income (loss) and compliance with applicable policyholders' surplus or minimum solvency and liquidity requirements as determined in accordance with the relevant statutory accounting practices. Under Irish corporate and regulatory law, Holdings Ireland, Everest Dublin Holdings and their subsidiaries are limited as to the dividends they can pay based on retained earnings and net income (loss) and/or capital and minimum solvency requirements. As Holdings has outstanding debt obligations, it is dependent upon dividends and other permissible payments from its operating subsidiaries to enable it to meet its debt and operating expense obligations and to pay dividends.

Under Bermuda law, Bermuda Re, Everest International and Everest Assurance are unable to declare or make payment of a dividend if they fail to meet their minimum solvency margin or minimum liquidity ratio. As long term insurers, Bermuda Re and Everest Assurance are also unable to declare or pay a dividend to anyone who is not a policyholder unless, after payment of the dividend, the value of the assets in their long term business fund, as certified by their approved actuary, exceeds their liabilities for long term business by at least the \$250,000 minimum solvency margin. Prior approval of the Bermuda Monetary Authority is required if Bermuda Re's, Everest International's or Everest Assurance's dividend payments would exceed 25% of their prior year end statutory capital and surplus. At December 31, 2018, Bermuda Re, Everest International and Everest Assurance exceeded their solvency and liquidity requirements.

The payment of dividends to Holdings by Everest Re is subject to limitations imposed by Delaware law. Generally, Everest Re may only pay dividends out of its statutory earned surplus, which was \$3,650.6 million at December 31, 2018, and only after it has given 10 days prior notice to the Delaware Insurance Commissioner. During this 10-day period, the Commissioner may, by order, limit or disallow the payment of ordinary dividends if the Commissioner finds the insurer to be presently or potentially in financial distress. Further, the maximum amount of dividends that may be paid without the prior approval of the Delaware Insurance Commissioner in any twelve month period is the greater of (1) 10% of the insurer's statutory surplus as of the end of the prior calendar year or (2) the insurer's statutory net income (loss), not including realized capital gains (losses), for the prior calendar year. Accordingly, the maximum amount that will be available for the payment of dividends by Everest Re in 2019 without triggering the requirement for prior approval of regulatory authorities in connection with a dividend is \$365.0 million.

Insurance Regulation. Bermuda Re and Everest International are not admitted to do business in any jurisdiction in the U.S. These entities conduct their insurance business from their offices in Bermuda, and in the case of Bermuda Re, its branch in the UK. Everest Assurance, by virtue of its one-time election under section 953(d) of the U.S. Internal Revenue Code to be a U.S. income tax paying "Controlled Foreign Corporation", is admitted to do business in the U.S. and Bermuda. In Bermuda, Bermuda Re, Everest International, Everest Assurance and Mt. Logan Re are regulated by the Insurance Act 1978 (as amended) and related regulations (the "Act"). The Act establishes solvency and liquidity standards and auditing and reporting requirements and subjects Bermuda Re, Everest International and Everest Assurance to the supervision, investigation and intervention powers of the Bermuda Monetary Authority. Under the Act, Bermuda Re and Everest International, as Class 4 insurers, are each required to maintain a principal office in Bermuda, to maintain a minimum of \$100 million in statutory capital and surplus, to have an independent auditor approved by the Bermuda Monetary Authority conduct an annual audit and report on their respective statutory and U.S. GAAP financial statements and filings and to have an appointed loss reserve specialist (also approved by the Bermuda Monetary Authority) review and report on their respective loss reserves annually. Under the Act, Everest Assurance is licensed as a Class 3A insurer for general business and as a Class C insurer for long-term business.

Bermuda Re is also registered under the Act as long term insurer and is thereby authorized to write life and annuity business. As a long term insurer, Bermuda Re is required to maintain \$250,000 in statutory capital separate from their Class 4 minimum statutory capital and surplus, to maintain long term business funds, to separately account for this business and to have an approved actuary prepare a certificate concerning their long term business assets and liabilities to be filed annually. Bermuda Re's operations in the United Kingdom and worldwide are subject to regulation by the Prudential Regulation Authority (the "PRA"). The PRA imposes solvency, capital adequacy, audit, financial reporting and other regulatory requirements on insurers transacting business in the United Kingdom. Bermuda Re presently meets or exceeds all of the PRA's solvency and capital requirements.

U.S. domestic property and casualty insurers, including reinsurers, are subject to regulation by their state of domicile and by those states in which they are licensed. The regulation of reinsurers is typically focused on financial condition, investments, management and operation. The rates and policy terms of reinsurance agreements are generally not subject to direct regulation by any governmental authority.

The operations of Everest Re's foreign branch offices in Canada and Singapore are subject to regulation by the insurance regulatory officials of those jurisdictions. Management believes that the Company is in compliance with applicable laws and regulations pertaining to its business and operations.

Everest Indemnity, Everest National, Everest Security, Everest Denali and Everest Premier are subject to regulations similar to the U.S. regulations applicable to Everest Re. In addition, these companies must comply with substantial regulatory requirements in each state where they conduct business. These additional requirements include, but are not limited to, rate and policy form requirements, requirements with regard to licensing, agent appointments, participation in residual markets and claim handling procedures. These regulations are primarily designed for the protection of policyholders.

Licenses. Everest Re is a licensed property and casualty insurer and/or reinsurer in all states, the District of Columbia, Puerto Rico and Guam. Such licensing enables U.S. domestic ceding company clients to take credit for uncollateralized reinsurance receivables from Everest Re in their statutory financial statements.

Everest Re is licensed as a property and casualty reinsurer in Canada. It is also authorized to conduct reinsurance business in Singapore and Brazil. Everest Re can also write reinsurance in other foreign countries. Because some jurisdictions require a reinsurer to register in order to be an acceptable market for local insurers, Everest Re is registered as a foreign insurer and/or reinsurer in the following countries: Argentina, Bolivia, Chile, Colombia, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Peru, Venezuela and the Philippines. Everest National is licensed in 50 states, the District of Columbia and Puerto Rico. Everest Indemnity is licensed in Delaware and is eligible to write insurance on a surplus lines basis in 49 states, the District of Columbia and Puerto Rico. Everest Security is licensed in Georgia and Alabama and is approved as an eligible surplus lines insurer in Delaware. Everest Denali is licensed in 49 states and the District of Columbia. Everest Premier is licensed in 49 states and the District of Columbia. Bermuda Re and Everest International are registered as Class 4 insurers in Bermuda, and Bermuda Re is also registered as a long term insurer in Bermuda. Bermuda Re is also an authorized reinsurer in the U.K. Everest Assurance is registered as a Class 3A general business insurer in Bermuda and a Class C long-term insurer in Bermuda. By virtue of its one-time election under section 953(d) of the U.S. Internal Revenue Code to be a U.S. income tax paying "Controlled Foreign Corporation," Everest Assurance may operate in both the U.S. and Bermuda. Ireland Re is licensed to write non-life reinsurance for the London and European markets. Ireland Insurance is licensed to write insurance for the European markets. Everest Canada is licensed to write property and casualty insurance in Canada.

Periodic Examinations. U.S. insurance companies are subject to periodic financial examination (usually every three to five years) of their affairs by the insurance departments of the states in which they are licensed, authorized or accredited. U.S. insurance companies are also subject to examinations by the various state insurance departments

where they are licensed concerning compliance with applicable conduct of business regulations. In addition, foreign insurance companies and foreign branch offices are subject to examination and review by regulators in their various jurisdictions. None of the reports of these examinations or reviews contained any material findings or recommendations.

23

NAIC Risk-Based Capital Requirements. The U.S. National Association of Insurance Commissioners (“NAIC”) has developed a formula to measure the amount of capital appropriate for a property and casualty insurance company to support its overall business operations in light of its size and risk profile. The major categories of a company’s risk profile are its asset risk, credit risk, and underwriting risk. The standards are an effort by the NAIC to prevent insolvencies, to ward off other financial difficulties of insurance companies and to establish uniform regulatory standards among state insurance departments.

Under the approved formula, a company’s statutory surplus is compared to its risk based capital (“RBC”). If this ratio is above a minimum threshold, no action is necessary. Below this threshold are four distinct action levels at which an insurer’s domiciliary state regulator can intervene with increasing degrees of authority over an insurer as the ratio of surplus to RBC decreases. The mildest intervention requires an insurer to submit a plan of appropriate corrective actions. The most severe action requires an insurer to be rehabilitated or liquidated.

Based on their financial positions at December 31, 2018, Everest Re, Everest National, Everest Indemnity, Everest Security, Everest Denali and Everest Premier exceed the minimum thresholds.

Commencing in 2017, the regulatory targeted capital required by the State of Delaware, Department of Insurance was expanded to include a provision for catastrophe exposure. Various proposals to change the RBC formula arise from time to time. The Company is unable to predict whether any such proposal will be adopted, the form in which any such proposals would be adopted or the effect, if any, the adoption of any such proposal or change in the RBC calculations would have on the Company.

Tax Matters.

The following summary of the taxation of the Company is based on current law. There can be no assurance that legislative, judicial, or administrative changes will not be enacted that might materially affect this summary.

Bermuda. Under Bermuda law, no income, withholding or capital gains taxes are imposed upon Group and its Bermuda subsidiaries. Group and its Bermuda subsidiaries have received an undertaking from the Minister of Finance in Bermuda that, in the event of any taxes being imposed, Group and its Bermuda subsidiaries will be exempt from taxation in Bermuda until March 2035. Non-Bermuda branches of Bermuda subsidiaries are subject to local taxes in the jurisdictions in which they operate.

United States. On December 22, 2017, the Tax Cuts and Jobs Act (“TCJA”) was signed into law and in 2018 and early 2019, the Internal Revenue Service (“IRS”) and the United States Treasury Department (“U.S. Treasury”) issued additional proposed regulations related to the new law. Management continues to monitor such newly issued guidance to determine the impact on the Company. Group’s U.S. subsidiaries conduct business in and are subject to taxation in the U.S., including provisions in the TCJA which may require current taxation of the U.S. subsidiaries pro-rata share of earnings from its ownership in foreign operations. Non-U.S. branches of U.S. subsidiaries are subject to both local taxation in the jurisdictions in which they operate and U.S. income tax, subject to relief from double taxation through foreign tax credits. Should the U.S. subsidiaries distribute current or accumulated earnings and profits in the form of dividends or otherwise, the Company would be subject to withholding taxes. The cumulative amount that would be subject to withholding tax, if distributed, is not practicable to compute. Group and its Bermuda subsidiaries believe that they have operated and will continue to operate their businesses in a manner that will not cause them to generate income treated as effectively connected with the conduct of a trade or business within the U.S. On this basis, Group does not expect that it and its Bermuda subsidiaries will be required to pay U.S. corporate income taxes other than withholding taxes on certain investment income and premium excise taxes. If Group or its Bermuda subsidiaries were to become subject to U.S. income tax, there could be a material adverse effect on the Company’s financial condition, results of operations and cash flows.

United Kingdom. Bermuda Re's UK branch and the Company's Lloyd's Syndicate conduct business in the UK and are subject to taxation in the UK. Bermuda Re believes that it has operated and will continue to operate its Bermuda operation in a manner which will not cause them to be subject to UK taxation. If Bermuda Re's Bermuda operations were to become subject to UK income tax, there could be a material adverse impact on the Company's financial condition, results of operations and cash flow.

Ireland. Holdings Ireland, Everest Dublin Holdings, Ireland Re and Ireland Insurance conduct business in Ireland and are subject to taxation in Ireland.

Available Information.

The Company's Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, proxy statements and amendments to those reports are available free of charge through the Company's internet website at <http://www.everestre.com> as soon as reasonably practicable after such reports are electronically filed with the Securities and Exchange Commission (the "SEC").

ITEM 1A. RISK FACTORS

In addition to the other information provided in this report, the following risk factors should be considered when evaluating an investment in our securities. If the circumstances contemplated by the individual risk factors materialize, our business, financial condition and results of operations could be materially and adversely affected and the trading price of our common shares could decline significantly.

RISKS RELATING TO OUR BUSINESS

Fluctuations in the financial markets could result in investment losses.

Prolonged and severe disruptions in the overall public and private debt and equity markets, such as occurred during 2008, could result in significant realized and unrealized losses in our investment portfolio. Although financial markets have significantly improved since 2008, they could deteriorate in the future. There could also be disruption in individual market sectors, such as occurred in the energy sector in recent years. Such declines in the financial markets could result in significant realized and unrealized losses on investments and could have a material adverse impact on our results of operations, equity, business and insurer financial strength and debt ratings.

Our results could be adversely affected by catastrophic events.

We are exposed to unpredictable catastrophic events, including weather-related and other natural catastrophes, as well as acts of terrorism. Any material reduction in our operating results caused by the occurrence of one or more catastrophes could inhibit our ability to pay dividends or to meet our interest and principal payment obligations. By way of illustration, during the past five calendar years, pre-tax catastrophe losses, net of reinsurance, were as follows:

| Calendar year: | Pre-tax catastrophe losses |
|-----------------------|----------------------------|
| (Dollars in millions) | |
| 2018 | \$ 1,800.2 |
| 2017 | 1,472.6 |
| 2016 | 301.2 |
| 2015 | 53.8 |
| 2014 | 56.3 |

Our losses from future catastrophic events could exceed our projections.

We use projections of possible losses from future catastrophic events of varying types and magnitudes as a strategic underwriting tool. We use these loss projections to estimate our potential catastrophe losses in certain geographic areas and decide on the placement of retrocessional coverage or other actions to limit the extent of potential losses in a

given geographic area. These loss projections are approximations, reliant on a mix of quantitative and qualitative processes, and actual losses may exceed the projections by a material amount, resulting in a material adverse effect on our financial condition and results of operations.

If our loss reserves are inadequate to meet our actual losses, our net income would be reduced or we could incur a loss.

We are required to maintain reserves to cover our estimated ultimate liability of losses and LAE for both reported and unreported claims incurred. These reserves are only estimates of what we believe the settlement and administration of claims will cost based on facts and circumstances known to us. In setting reserves for our reinsurance liabilities, we rely on claim data supplied by our ceding companies and brokers and we employ actuarial and statistical projections. The information received from our ceding companies is not always timely or accurate, which can contribute to inaccuracies in our loss projections. Because of the uncertainties that surround our estimates of loss and LAE reserves, we cannot be certain that ultimate losses and LAE payments will not exceed our estimates. If our reserves are deficient, we would be required to increase loss reserves in the period in which such deficiencies are identified which would cause a charge to our earnings and a reduction of capital. During the past five calendar years, the reserve re-estimation process resulted in a decrease to our pre-tax net income in 2018 and an increase to our pre-tax income for all other years:

| Calendar year: | Effect on pre-tax net income | |
|-----------------------|------------------------------|----------|
| (Dollars in millions) | | |
| 2018 | \$ 387.1 | decrease |
| 2017 | 293.4 | increase |
| 2016 | 295.3 | increase |
| 2015 | 65.1 | increase |
| 2014 | 39.7 | increase |

The difficulty in estimating our reserves is significantly more challenging as it relates to reserving for potential A&E liabilities. At year-end 2018, 2.6% of our gross reserves were comprised of A&E reserves. A&E liabilities are especially hard to estimate for many reasons, including the long delays between exposure and manifestation of any bodily injury or property damage, difficulty in identifying the source of the asbestos or environmental contamination, long reporting delays and difficulty in properly allocating liability for the asbestos or environmental damage. Legal tactics and judicial and legislative developments affecting the scope of insurers' liability, which can be difficult to predict, also contribute to uncertainties in estimating reserves for A&E liabilities.

The failure to accurately assess underwriting risk and establish adequate premium rates could reduce our net income or result in a net loss.

Our success depends on our ability to accurately assess the risks associated with the businesses on which the risk is retained. If we fail to accurately assess the risks we retain, we may fail to establish adequate premium rates to cover our losses and LAE. This could reduce our net income and even result in a net loss.

In addition, losses may arise from events or exposures that are not anticipated when the coverage is priced. In addition to unanticipated events, we also face the unanticipated expansion of our exposures, particularly in long-tail liability lines. An example of this is the expansion over time of the scope of insurers' legal liability within the mass tort arena, particularly for A&E exposures discussed above.

Decreases in pricing for property and casualty reinsurance and insurance could reduce our net income.

The worldwide reinsurance and insurance businesses are highly competitive, as well as cyclical by product and market. These cycles, as well as other factors that influence aggregate supply and demand for property and casualty insurance and reinsurance products, are outside of our control. The supply of (re)insurance is driven by prevailing

prices and levels of capacity that may fluctuate in response to a number of factors including large catastrophic losses and investment returns being realized in the insurance industry. Demand for (re)insurance is influenced by underwriting results of insurers and insureds, including catastrophe losses, and prevailing general economic conditions. If any of these factors were to result in a decline in the demand for (re)insurance or an overall increase in (re)insurance capacity, our net income could decrease.

If rating agencies downgrade the ratings of our insurance subsidiaries, future prospects for growth and profitability could be significantly and adversely affected.

Our active insurance company subsidiaries currently hold financial strength ratings assigned by third-party rating agencies which assess and rate the claims paying ability and financial strength of insurers and reinsurers. Our active subsidiaries that have been rated carry an “A+” (“Superior”) rating from A.M. Best. Everest Re, Bermuda Re, Ireland Re, Everest National, Everest Indemnity, Everest Canada and Ireland Insurance hold an “A+” (“Strong”) rating from Standard & Poor’s and Everest Assurance holds an “A” (“Strong”) rating from this same agency. Everest Re and Bermuda Re hold an “A1” (“upper-medium grade”) rating from Moody’s. Financial strength ratings are used by client companies and agents and brokers that place the business as an important means of assessing the financial strength and quality of reinsurers. A downgrade or withdrawal of any of these ratings might adversely affect our ability to market our insurance products and could have a material and adverse effect on future prospects for growth and profitability.

Consistent with market practice, much of our treaty reinsurance business allows the ceding company to terminate the contract or seek collateralization of our obligations in the event of a rating downgrade below a certain threshold. The termination provision would generally be triggered if a rating fell below A.M. Best’s A- rating level, which is three levels below Everest Re’s current rating of A+. To a lesser extent, Everest Re also has modest exposure to reinsurance contracts that contain provisions for obligatory funding of outstanding liabilities in the event of a rating agency downgrade. Those provisions would also generally be triggered if Everest Re’s rating fell below A.M. Best’s A- rating level.

The failure of our insureds, intermediaries and reinsurers to satisfy their obligations to us could reduce our income.

In accordance with industry practice, we have uncollateralized receivables from insureds, agents and brokers and/or rely on agents and brokers to process our payments. We may not be able to collect amounts due from insureds, agents and brokers, resulting in a reduction to net income.

We are subject to credit risk of reinsurers in connection with retrocessional arrangements because the transfer of risk to a reinsurer does not relieve us of our liability to the insured. In addition, reinsurers may be unwilling to pay us even though they are able to do so. The failure of one or more of our reinsurers to honor their obligations to us in a timely fashion would impact our cash flow and reduce our net income and could cause us to incur a significant loss.

If we are unable or choose not to purchase reinsurance and transfer risk to the reinsurance markets, our net income could be reduced or we could incur a net loss in the event of unusual loss experience.

We are generally less reliant on the purchase of reinsurance than many of our competitors, in part because of our strategic emphasis on underwriting discipline and management of the cycles inherent in our business. We try to separate our risk taking process from our risk mitigation process in order to avoid developing too great a reliance on reinsurance. Historically, we generally purchased reinsurance from other third parties only when we expect a net benefit. With the expansion of the capital markets into insurance linked financial instruments, we increased our use of capital market products for catastrophe reinsurance. In addition, we have increased some of our quota share contracts with larger retrocessions. The percentage of business that we reinsure may vary considerably from year to year, depending on our view of the relationship between cost and expected benefit for the contract period.

| | 2018 | 2017 | 2016 | 2015 | 2014 |
|--|-------|-------|-------|-------|-------|
| Percentage of ceded written premiums to gross written premiums | 12.5% | 13.0% | 12.6% | 12.0% | 10.9% |

Because we have purchased minimal reinsurance in recent years, our net income could be reduced following a large unreinsured event or adverse overall claims experience.

Our industry is highly competitive and we may not be able to compete successfully in the future.

Our industry is highly competitive and subject to pricing cycles that can be pronounced. We compete globally in the United States, Bermuda and international reinsurance and insurance markets with numerous competitors. Our competitors include independent reinsurance and insurance companies, subsidiaries or affiliates of established worldwide insurance companies, reinsurance departments of certain insurance companies and domestic and international underwriting operations, including underwriting syndicates at Lloyd's of London.

According to Standard & Poor's, we rank among the top ten global reinsurance groups, where more than two-thirds of the market share is concentrated. The worldwide net premium written by the Top 40 global reinsurance groups for both life and non-life business was estimated to be \$232.0 billion in 2017 according to data compiled by Standard & Poor's. The leaders in this market are Munich Re, Swiss Re, Berkshire Hathaway Re, Hannover Rueck SE, SCOR SE, and syndicates at Lloyd's of London. Some of these competitors have greater financial resources than we do and have established long term and continuing business relationships throughout the industry, which can be a significant competitive advantage. In addition, the lack of strong barriers to entry into the reinsurance business and the entry of alternative capital market products and vehicles provide additional sources of reinsurance and insurance capacity and increased competition.

We are dependent on our key personnel.

Our success has been, and will continue to be, dependent on our ability to retain the services of our Chairman, Joseph V. Taranto (age 69) and existing key executive officers and to attract and retain additional qualified personnel in the future. The loss of the services of any key executive officer or the inability to hire and retain other highly qualified personnel in the future could adversely affect our ability to conduct business. Generally, we consider key executive officers to be those individuals who have the greatest influence in setting overall policy and controlling operations: President and Chief Executive Officer, Dominic J. Addesso (age 65), Executive Vice President and Chief Financial Officer, Craig Howie (age 55), Executive Vice President and Chief Executive Officer Reinsurance Division, John P. Doucette (age 53), Executive Vice President, General Counsel, Chief Compliance Officer, Secretary and Managing Director and Chief Executive Officer of Bermuda Re, Sanjoy Mukherjee (age 52) and Executive Vice President, President and Chief Executive Officer of the Everest Insurance[®] Division, Jonathan Zaffino (age 46). We currently have an agreement with Mr. Taranto to serve as a non-employee Director and Chairman of the Board through December 31, 2019, subject to Mr. Taranto's annual election to the Board by its shareholders during its Annual General Meetings that occur over the term of the agreement. We have employment contracts with Mr. Addesso, Mr. Howie, Mr. Doucette, Mr. Mukherjee and Mr. Zaffino which have been filed with the SEC and provide for terms of employment ending on December 31, 2019 for Mr. Addesso, April 1, 2019 for Mr. Howie, June 1, 2019 for Mr. Doucette, January 1, 2020 for Mr. Mukherjee and September 6, 2020 for Mr. Zaffino.

On January 7, 2019, the Company announced that Mr. Addesso has informed the Group's Board of Directors that he will retire at the end of his contract term on December 31, 2019. As a result, the Board is undertaking a search as part of its succession planning process which will include a review of internal and external candidates for the position.

The other officer agreements referenced above contain automatic renewal provisions that provide for the contracts to continue indefinitely unless sooner terminated in accordance with the contract or as otherwise may be agreed.

Special considerations apply to our Bermuda operations. Under Bermuda law, non-Bermudians, other than spouses of Bermudians and individuals holding permanent or working resident certificates, are not permitted to engage in any gainful occupation in Bermuda without a work permit issued by the Bermuda government. A work permit is only granted or extended if the employer can show that, after a proper public advertisement, no Bermudian, spouse of a Bermudian or individual holding a permanent or working resident certificate is available who meets the minimum standards reasonably required for the position. The Bermuda government places a six-year term limit on individuals

with work permits, subject to specified exemptions for persons deemed to be key employees of businesses with a significant physical presence in Bermuda. Currently, all our Bermuda-based professional employees who require work permits have been granted permits by the Bermuda

28

government that expire at various times between January 2019 and April 2021. This includes Sanjoy Mukherjee, the chief executive officer of our Bermuda reinsurance operation.

Our investment values and investment income could decline because they are exposed to interest rate, credit, and market risks.

A significant portion of our investment portfolio consists of fixed income securities and smaller portions consist of equity securities and other investments. Both the fair market value of our invested assets and associated investment income fluctuate depending on general economic and market conditions. For example, the fair market value of our predominant fixed income portfolio generally increases or decreases inversely to fluctuations in interest rates. The market value of our fixed income securities could also decrease as a result of a downturn in the business cycle that causes the credit quality of such securities to deteriorate. The net investment income that we realize from future investments in fixed income securities will generally increase or decrease with interest rates.

Interest rate fluctuations also can cause net investment income from fixed income investments that carry prepayment risk, such as mortgage-backed and other asset-backed securities, to differ from the income anticipated from those securities at the time of purchase. In addition, if issuers of individual investments are unable to meet their obligations, investment income will be reduced and realized capital losses may arise.

The majority of our fixed income securities are classified as available for sale and temporary changes in the market value of these investments are reflected as changes to our shareholders' equity. Our actively managed equity security portfolios are fair valued and any changes in fair value are reflected as net realized capital gains or losses. As a result, a decline in the value of our securities reduces our capital or could cause us to incur a loss.

We have invested a portion of our investment portfolio in equity securities. The value of these assets fluctuates with changes in the markets. In times of economic weakness, the fair value of these assets may decline, and may negatively impact net income. We also invest in non-traditional investments which have different risk characteristics than traditional fixed income and equity securities. These alternative investments are comprised primarily of private equity limited partnerships. The changes in value and investment income/(loss) for these partnerships may be more volatile than over-the-counter securities.

The following table quantifies the portion of our investment portfolio that consists of fixed income securities, equity securities and investments that carry prepayment risk.

| (Dollars in millions) | At December 31, 2018 | % of Total | |
|-------------------------------------|-------------------------|------------|---|
| Mortgage-backed securities: | | | |
| Commercial | \$ 326.7 | 1.8 | % |
| Agency residential | 1,796.3 | 9.7 | % |
| Non-agency residential | 10.2 | 0.1 | % |
| Other asset-backed | 540.1 | 2.9 | % |
| Total asset-backed | 2,673.3 | 14.5 | % |
| Other fixed income | 12,552.0 | 68.1 | % |
| Total fixed income, at market value | 15,225.3 | 82.6 | % |
| Fixed maturities, at fair value | 2.3 | 0.0 | % |
| Equity securities, at fair value | 716.6 | 3.9 | % |
| Other invested assets | 1,591.7 | 8.6 | % |
| Cash and short-term investments | 897.1 | 4.9 | % |
| Total investments and cash | \$ 18,433.1 | 100.0 | % |

(Some amounts may not reconcile due to rounding.)

29

We may experience foreign currency exchange losses that reduce our net income and capital levels.

Through our Bermuda and international operations, we conduct business in a variety of foreign (non-U.S.) currencies, principally the Euro, the British pound, the Canadian dollar, and the Singapore dollar. Assets, liabilities, revenues and expenses denominated in foreign currencies are exposed to changes in currency exchange rates. Our reporting currency is the U.S. dollar, and exchange rate fluctuations, especially relative to the U.S. dollar, may materially impact our results and financial position. In 2018, we wrote approximately 23.6% of our coverages in non-U.S. currencies; as of December 31, 2018, we maintained approximately 14.4% of our investment portfolio in investments denominated in non-U.S. currencies. During 2018, 2017 and 2016, the impact on our quarterly pre-tax net income from exchange rate fluctuations ranged from a loss of \$43.2 million to a gain of \$22.7 million.

In June 2016, the United Kingdom approved a referendum to exit the European Union (commonly referred to as "Brexit") which resulted in volatility in global stock markets and currency exchange rates, and has increased political, economic and global market uncertainty. The formal negotiation process for the United Kingdom to exit the European Union will determine the timing and terms of such an exit. The Company has a Lloyd's of London Syndicate and Bermuda Re has a branch operation in the United Kingdom. The nature and extent of the impact of Brexit on regulation, interest rates, currency exchange rates and financial markets is still uncertain and may adversely affect our operations.

Changes in the method for determining LIBOR and the potential replacement of LIBOR may affect our cost of capital and net investment income.

On July 27, 2017, the UK Financial Conduct Authority announced that it intends to stop persuading or compelling banks to submit LIBOR rates after 2021, which is expected to result in these widely used reference rates no longer being available. Potential changes to LIBOR, as well as uncertainty related to such potential changes and the establishment of any alternative reference rates, may adversely affect the market for LIBOR-based securities and could adversely impact the interest rate on our long term subordinate notes. In addition, the discontinuance of LIBOR or changes or reforms to the determination or supervision of LIBOR may result in a sudden or prolonged increase or decrease in reported LIBOR, which could have an adverse impact on the market for LIBOR-based securities or the value of our investment portfolio.

We are subject to cybersecurity risks that could negatively impact our business operations.

We are dependent upon our information technology platform, including our processing systems, data and electronic transmissions in our business operations. Security breaches could expose us to the loss or misuse of our information, litigation and potential liability. In addition, cyber incidents that impact the availability, reliability, speed, accuracy or other proper functioning of these systems could have a significant negative impact on our operations and possibly our results. An incident could also result in a violation of applicable privacy and other laws, damage our reputation, cause a loss of customers or give rise to monetary fines and other penalties, which could be significant. Management is not aware of a cybersecurity incident that has had a material impact on our operations.

The NAIC has adopted an Insurance Data Security Model Law, which, when adopted by the states will require insurers, insurance producers and other entities required to be licensed under state insurance laws to comply with certain requirements under state insurance laws, such as developing and maintaining a written information security program, conducting risk assessments and overseeing the data security practices of third-party vendors. In addition, certain state insurance regulators are developing or have developed regulations that may impose regulatory requirements relating to cybersecurity on insurance and reinsurance companies (potentially including insurance and reinsurance companies that are not domiciled, but are licensed, in the relevant state). For example, the New York State Department of Financial Services has adopted a regulation pertaining to cybersecurity for all banking and insurance entities under its jurisdiction, effective as of March 1, 2017, which applies to us. We cannot predict the

impact these laws and regulations will have on our business, financial condition or results of operations, but our insurance and reinsurance companies could incur additional costs resulting from compliance with such laws and regulations.

30

RISKS RELATING TO REGULATION

Insurance laws and regulations restrict our ability to operate and any failure to comply with those laws and regulations could have a material adverse effect on our business.

We are subject to extensive and increasing regulation under U.S., state and foreign insurance laws. These laws limit the amount of dividends that can be paid to us by our operating subsidiaries, impose restrictions on the amount and type of investments that we can hold, prescribe solvency, accounting and internal control standards that must be met and maintained and require us to maintain reserves. These laws also require disclosure of material inter-affiliate transactions and require prior approval of “extraordinary” transactions. Such “extraordinary” transactions include declaring dividends from operating subsidiaries that exceed statutory thresholds. These laws also generally require approval of changes of control of insurance companies. The application of these laws could affect our liquidity and ability to pay dividends, interest and other payments on securities, as applicable, and could restrict our ability to expand our business operations through acquisitions of new insurance subsidiaries. We may not have or maintain all required licenses and approvals or fully comply with the wide variety of applicable laws and regulations or the relevant authority’s interpretation of the laws and regulations. If we do not have the requisite licenses and approvals or do not comply with applicable regulatory requirements, the insurance regulatory authorities could preclude or temporarily suspend us from carrying on some or all of our activities or monetarily penalize us. These types of actions could have a material adverse effect on our business. To date, no material fine, penalty or restriction has been imposed on us for failure to comply with any insurance law or regulation.

As a result of the previous dislocation of the financial markets, Congress and the previous Presidential administration in the United States implemented changes in the way the financial services industry is regulated. Some of these changes are also impacting the insurance industry. For example, the U.S. Treasury established the Federal Insurance Office with the authority to monitor all aspects of the insurance sector, monitor the extent to which traditionally underserved communities and consumers have access to affordable non-health insurance products, to represent the United States on prudential aspects of international insurance matters, to assist with administration of the Terrorism Risk Insurance Program and to advise on important national and international insurance matters. In addition, several European regulatory bodies are in process of updating existing or developing new capital adequacy directives for insurers and reinsurers. The future impact of such initiatives or new initiatives from the current Government Administration, if any, on our operation, net income (loss) or financial condition cannot be determined at this time.

Bermuda introduced new economic substance legislation in December 2018, which came into force on January 1, 2019. Based on the European Union guidelines, the legislation requires Bermuda companies to be locally managed and directed, to carry on their core income generating activities in Bermuda and to have an adequate level of local full time qualified employees, local accommodation and local expenditure. There is no experience yet as to how the Bermuda authorities will interpret and enforce these new rules, and, accordingly, we are not able to predict their impact on our operations and net income.

Regulatory challenges in the United States could adversely affect the ability of Bermuda Re to conduct business.

Bermuda Re does not intend to be licensed or admitted as an insurer or reinsurer in any U.S. jurisdiction. Under current law, Bermuda Re generally will be permitted to reinsure U.S. risks from its office in Bermuda without obtaining those licenses. However, the insurance and reinsurance regulatory framework is subject to periodic legislative review and revision. In the past, there have been congressional and other initiatives in the United States regarding increased supervision and regulation of the insurance industry, including proposals to supervise and regulate reinsurers domiciled outside the United States. If Bermuda Re were to become subject to any insurance laws of the United States or any U.S. state at any time in the future, it might be required to post deposits or maintain minimum surplus levels and might be prohibited from engaging in lines of business or from writing some types of policies. Complying with those laws could have a material adverse effect on our ability to conduct business in Bermuda and

international markets.

31

Bermuda Re may need to be licensed or admitted in additional jurisdictions to develop its business.

As Bermuda Re's business develops, it will monitor the need to obtain licenses in jurisdictions other than Bermuda and the U.K., where it has an authorized branch, in order to comply with applicable law or to be able to engage in additional insurance-related activities. In addition, Bermuda Re may be at a competitive disadvantage in jurisdictions where it is not licensed or does not enjoy an exemption from licensing relative to competitors that are so licensed or exempt from licensing. Bermuda Re may not be able to obtain any additional licenses that it determines are necessary or desirable. Furthermore, the process of obtaining those licenses is often costly and may take a long time.

Bermuda Re's ability to write reinsurance may be severely limited if it is unable to arrange for security to back its reinsurance.

Many jurisdictions do not permit insurance companies to take credit for reinsurance obtained from unlicensed or non-admitted insurers on their statutory financial statements without appropriate security. Bermuda Re's reinsurance clients typically require it to post a letter of credit or enter into other security arrangements. If Bermuda Re is unable to obtain or maintain a letter of credit facility on commercially acceptable terms or is unable to arrange for other types of security, its ability to operate its business may be severely limited. If Bermuda Re defaults on any letter of credit that it obtains, it may be required to prematurely liquidate a substantial portion of its investment portfolio and other assets pledged as collateral.

RISKS RELATING TO GROUP'S SECURITIES

Because of our holding company structure, our ability to pay dividends, interest and principal is dependent on our receipt of dividends, loan payments and other funds from our subsidiaries.

Group and Holdings are holding companies, each of whose most significant asset consists of the stock of its operating subsidiaries. As a result, each of Group's and Holdings' ability to pay dividends, interest or other payments on its securities in the future will depend on the earnings and cash flows of the operating subsidiaries and the ability of the subsidiaries to pay dividends or to advance or repay funds to it. This ability is subject to general economic, financial, competitive, regulatory and other factors beyond our control. Payment of dividends and advances and repayments from some of the operating subsidiaries are regulated by U.S., state and foreign insurance laws and regulatory restrictions, including minimum solvency and liquidity thresholds. Accordingly, the operating subsidiaries may not be able to pay dividends or advance or repay funds to Group and Holdings in the future, which could prevent us from paying dividends, interest or other payments on our securities.

Provisions in Group's bye-laws could have an anti-takeover effect, which could diminish the value of its common shares.

Group's bye-laws contain provisions that could delay or prevent a change of control that a shareholder might consider favorable. The effect of these provisions could be to prevent a shareholder from receiving the benefit from any premium over the market price of our common shares offered by a bidder in a potential takeover. Even in the absence of an attempt to effect a change in management or a takeover attempt, these provisions may adversely affect the prevailing market price of our common shares if they are viewed as discouraging takeover attempts in the future.

For example, Group's bye-laws contain the following provisions that could have an anti-takeover effect:

the total voting power of any shareholder owning more than 9.9% of the common shares will be reduced to 9.9% of the total voting power of the common shares;

the board of directors may decline to register any transfer of common shares if it has reason to believe that the transfer would result in:

- i.) any person that is not an investment company beneficially owning more than 5.0% of any class of the issued and outstanding share capital of Group,
- ii.) any person holding controlled shares in excess of 9.9% of any class of the issued and outstanding share capital of Group, or
- iii.) any adverse tax, regulatory or legal consequences to Group, any of its subsidiaries or any of its shareholders;

Group also has the option to redeem or purchase all or part of a shareholder's common shares to the extent the board of directors determines it is necessary or advisable to avoid or cure any adverse or potential adverse consequences if:

- i.) any person that is not an investment company beneficially owns more than 5.0% of any class of the issued and outstanding share capital of Group,
- ii.) any person holds controlled shares in excess of 9.9% of any class of the issued and outstanding share capital of Group, or
- iii.) share ownership by any person may result in adverse tax, regulatory or legal consequences to Group, any of its subsidiaries or any other shareholder.

The Board of Directors has indicated that it will apply these bye-law provisions in such manner that "passive institutional investors" will be treated similarly to investment companies. For this purpose, "passive institutional investors" include all persons who are eligible, pursuant to Rule 13d-1(b)(1) under the U.S. Securities Exchange Act of 1934, ("the Exchange Act") to file a short-form statement on Schedule 13G, other than an insurance company or any parent holding company or control person of an insurance company.

Applicable insurance laws may also have an anti-takeover effect.

Before a person can acquire control of a U.S. insurance company, prior written approval must be obtained from the insurance commissioner of the state where that insurance company is domiciled or deemed commercially domiciled. Prior to granting approval of an application to acquire control of a domestic insurance company, a state insurance commissioner will consider such factors as the financial strength of the applicant, the integrity and competence of the applicant's board of directors and executive officers, the acquiror's plans for the future operations of the insurance company and any anti-competitive results that may arise from the consummation of the acquisition of control. Because any person who acquired control of Group would thereby acquire indirect control of its insurance company subsidiaries in the U.S., the insurance change of control laws of Delaware, California and Georgia would apply to such a transaction. This could have the effect of delaying or even preventing such a change of control.

The ownership of common shares of Group by Everest International Reinsurance, Ltd., "Everest International" a direct subsidiary of Group may have an impact on securing approval of shareholder proposals that Group's management supports.

As of December 31, 2018, Everest International owned 9,719,971 or 19.3% of the outstanding common shares of Group. Under Group's bye-laws, the total voting power of any shareholder owning more than 9.9% of the common shares is reduced to 9.9% of the total voting power of the common shares. Nevertheless, Everest International, which is controlled by Group, has the ability to vote 9.9% of the total voting power of Group's common shares.

Investors in Group may have more difficulty in protecting their interests than investors in a U.S. corporation.

The Companies Act 1981 of Bermuda (the “Companies Act”), differs in material respects from the laws applicable to U.S. corporations and their shareholders. The following is a summary of material differences between the Companies Act, as modified in some instances by provisions of Group’s bye-laws, and Delaware corporate law that could make it more difficult for investors in Group to protect their interests than investors in a U.S. corporation. Because the following statements are summaries, they do not address all aspects of Bermuda law that may be relevant to Group and its shareholders.

Alternate Directors. Group’s bye-laws provide, as permitted by Bermuda law, that each director may appoint an alternate director, who shall have the power to attend and vote at any meeting of the board of directors or committee at which that director is not personally present and to sign written consents in place of that director. Delaware law permits a director to appoint another director as an alternate to attend any board committee meeting. However, Delaware law does not provide for the designation of alternate directors with authority to attend or vote at a meeting of the board of directors.

Committees of the Board of Directors. Group’s bye-laws provide, as permitted by Bermuda law, that the board of directors may delegate any of its powers to committees that the board appoints, and those committees may consist partly or entirely of non-directors. Delaware law allows the board of directors of a corporation to delegate many of its powers to committees, but those committees may consist only of directors.

Interested Directors. Bermuda law and Group’s bye-laws provide that if a director has a personal interest in a transaction to which the company is also a party and if the director discloses the nature of this personal interest at the first opportunity, either at a meeting of directors or in writing to the directors, then the company will not be able to declare the transaction void solely due to the existence of that personal interest and the director will not be liable to the company for any profit realized from the transaction. In addition, after a director has made the declaration of interest referred to above, he or she is allowed to be counted for purposes of determining whether a quorum is present and to vote on a transaction in which he or she has an interest, unless disqualified from doing so by the chairman of the relevant board meeting. Under Delaware law, an interested director could be held liable for a transaction in which that director derived an improper personal benefit. Additionally, under Delaware law, a corporation may be able to declare a transaction with an interested director to be void unless one of the following conditions is fulfilled:

- the material facts as to the interested director’s relationship or interests are disclosed or are known to the board of directors and the board in good faith authorizes the transaction by the affirmative vote of a majority of the disinterested directors;
- the material facts are disclosed or are known to the shareholders entitled to vote on the transaction and the transaction is specifically approved in good faith by the holders of a majority of the voting shares; or
- the transaction is fair to the corporation as of the time it is authorized, approved or ratified.

Transactions with Significant Shareholders. As a Bermuda company, Group may enter into business transactions with its significant shareholders, including asset sales, in which a significant shareholder receives, or could receive, a financial benefit that is greater than that received, or to be received, by other shareholders with prior approval from Group’s board of directors but without obtaining prior approval from the shareholders. In the case of an amalgamation, in which two or more companies join together and continue as a single company, a resolution of shareholders approved by a majority of at least 75% of the votes cast is required in addition to the approval of the board of directors, except in the case of an amalgamation with and between wholly-owned subsidiaries. If Group was a Delaware corporation, any business combination with an interested shareholder (which, for this purpose, would include mergers and asset sales of greater than 10% of Group’s assets that would otherwise be considered transactions

in the ordinary course of business) within a period of three years from the time the person became an interested shareholder would require prior approval from shareholders holding at least 66 2/3% of Group's outstanding common shares not owned by the interested shareholder, unless the transaction qualified for one of the exemptions in the relevant Delaware statute or Group opted out of the statute. For purposes of the Delaware statute, an "interested shareholder" is generally

34

defined as a person who together with that person's affiliates and associates owns, or within the previous three years did own, 15% or more of a corporation's outstanding voting shares.

Takeovers. Under Bermuda law, if an acquiror makes an offer for shares of a company and, within four months of the offer, the holders of not less than 90% of the shares that are the subject of the offer tender their shares, the acquiror may give the nontendering shareholders notice requiring them to transfer their shares on the terms of the offer. Within one month of receiving the notice, dissenting shareholders may apply to the court objecting to the transfer. The burden is on the dissenting shareholders to show that the court should exercise its discretion to enjoin the transfer. The court will be unlikely to do this unless there is evidence of fraud or bad faith or collusion between the acquiror and the tendering shareholders aimed at unfairly forcing out minority shareholders. Under another provision of Bermuda law, the holders of 95% of the shares of a company (the "acquiring shareholders") may give notice to the remaining shareholders requiring them to sell their shares on the terms described in the notice. Within one month of receiving the notice, dissenting shareholders may apply to the court for an appraisal of their shares. Within one month of the court's appraisal, the acquiring shareholders are entitled either to acquire all shares involved at the price fixed by the court or cancel the notice given to the remaining shareholders. If shares were acquired under the notice at a price below the court's appraisal price, the acquiring shareholders must either pay the difference in price or cancel the notice and return the shares thus acquired to the shareholder, who must then refund the purchase price. There are no comparable provisions under Delaware law.

Inspection of Corporate Records. Members of the general public have the right to inspect the public documents of Group available at the office of the Registrar of Companies and Group's registered office, both in Bermuda. These documents include the memorandum of association, which describes Group's permitted purposes and powers, any amendments to the memorandum of association and documents relating to any increase or reduction in Group's authorized share capital. Shareholders of Group have the additional right to inspect Group's bye-laws, minutes of general meetings of shareholders and audited financial statements that must be presented to the annual general meeting of shareholders. The register of shareholders of Group also is open to inspection by shareholders and to members of the public without charge. Group is required to maintain its share register at its registered office in Bermuda. Group also maintains a branch register in the offices of its transfer agent in the U.S., which is open for public inspection as required under the Companies Act. Group is required to keep at its registered office a register of its directors and officers that is open for inspection by members of the public without charge. However, Bermuda law does not provide a general right for shareholders to inspect or obtain copies of any other corporate records. Under Delaware law, any shareholder may inspect or obtain copies of a corporation's shareholder list and its other books and records for any purpose reasonably related to that person's interest as a shareholder.

Shareholder's Suits. The rights of shareholders under Bermuda law are not as extensive as the rights of shareholders under legislation or judicial precedent in many U.S. jurisdictions. Class actions and derivative actions are generally not available to shareholders under the laws of Bermuda. However, the Bermuda courts ordinarily would be expected to follow English case law precedent, which would permit a shareholder to bring an action in the name of Group to remedy a wrong done to Group where the act complained of is alleged to be beyond the corporate power of Group or illegal or would result in the violation of Group's memorandum of association or bye-laws. Furthermore, the court would give consideration to acts that are alleged to constitute a fraud against the minority shareholders or where an act requires the approval of a greater percentage of Group's shareholders than actually approved it. The winning party in an action of this type generally would be able to recover a portion of attorneys' fees incurred in connection with the action. Under Delaware law, class actions and derivative actions generally are available to stockholders for breach of fiduciary duty, corporate waste and actions not taken in accordance with applicable law. In these types of actions, the court has discretion to permit the winning party to recover its attorneys' fees.

Limitation of Liability of Directors and Officers. Group's bye-laws provide that Group and its shareholders waive all claims or rights of action that they might have, individually or in the right of the Company, against any director or officer for any act or failure to act in the performance of that director's or officer's duties. However, this waiver does

not apply to claims or rights of action that arise out of fraud or dishonesty. This waiver may have the effect of barring claims arising under U.S. federal securities laws. Under Delaware law, a corporation may include in its certificate of incorporation provisions limiting the personal liability of its directors to the corporation or its stockholders for monetary damages for many types of breach of fiduciary duty. However,

35

these provisions may not limit liability for any breach of the duty of loyalty, acts or omissions not in good faith or that involve intentional misconduct or a knowing violation of law, the authorization of unlawful dividends, stock repurchases or stock redemptions, or any transaction from which a director derived an improper personal benefit. Moreover, Delaware provisions would not be likely to bar claims arising under U.S. federal securities laws.

Indemnification of Directors and Officers. Group's bye-laws provide that Group shall indemnify its directors or officers to the full extent permitted by law against all actions, costs, charges, liabilities, loss, damage or expense incurred or suffered by them by reason of any act done, concurred in or omitted in the conduct of Group's business or in the discharge of their duties. Under Bermuda law, this indemnification may not extend to any matter involving fraud or dishonesty of which a director or officer may be guilty in relation to the company, as determined in a final judgment or decree not subject to appeal. Under Delaware law, a corporation may indemnify a director or officer who becomes a party to an action, suit or proceeding because of his position as a director or officer if (1) the director or officer acted in good faith and in a manner he reasonably believed to be in or not opposed to the best interests of the corporation and (2) if the action or proceeding involves a criminal offense, the director or officer had no reasonable cause to believe his or her conduct was unlawful.

Enforcement of Civil Liabilities. Group is organized under the laws of Bermuda. Some of its directors and officers may reside outside the U.S. A substantial portion of our assets are or may be located in jurisdictions outside the U.S. As a result, a person may not be able to affect service of process within the U.S. on directors and officers of Group and those experts who reside outside the U.S. A person also may not be able to recover against them or Group on judgments of U.S. courts or to obtain original judgments against them or Group in Bermuda courts, including judgments predicated upon civil liability provisions of the U.S. federal securities laws.

Dividends. Bermuda law does not allow a company to declare or pay a dividend, or make a distribution out of contributed surplus, if there are reasonable grounds for believing that the company, after the payment is made, would be unable to pay its liabilities as they become due, or that the realizable value of the company's assets would be less, as a result of the payment, than the aggregate of its liabilities and its issued share capital and share premium accounts. The share capital account represents the aggregate par value of issued shares, and the share premium account represents the aggregate amount paid for issued shares over and above their par value. Under Delaware law, subject to any restrictions contained in a company's certificate of incorporation, a company may pay dividends out of the surplus or, if there is no surplus, out of net profits for the fiscal year in which the dividend is declared and/or the preceding fiscal year. Surplus is the amount by which the net assets of a corporation exceed its stated capital. Delaware law also provides that dividends may not be paid out of net profits at any time when stated capital is less than the capital represented by the outstanding stock of all classes having a preference upon the distribution of assets.

RISKS RELATING TO TAXATION

If U.S. tax law changes, our net income may be impacted.

The TCJA addresses what some members of Congress had expressed concern about for several years, which was U.S. corporations moving their place of incorporation to low-tax jurisdictions to obtain a competitive advantage over domestic corporations that are subject to the U.S. corporate tax rate of 21%. Specifically, it addressed their concern over a perceived competitive advantage that foreign-controlled insurers and reinsurers may have had over U.S. controlled insurers and reinsurers resulting from the purchase of reinsurance by U.S. insurers from affiliates operating in some foreign jurisdictions, including Bermuda. Such affiliated reinsurance transactions are now subject to a Base Erosion and Anti-abuse Tax ("BEAT") of 5% in 2018, 10% from 2019 to 2025 and 12.5% thereafter. In addition, new proposed regulations may further limit the ability of the Company to execute alternative capital balancing transactions with unrelated parties. This would further impact our net income and effective tax rate.

Group and/or Bermuda Re may be subject to U.S. corporate income tax, which would reduce our net income.

Bermuda Re. The income of Bermuda Re is a significant portion of our worldwide income from operations. We have established guidelines for the conduct of our operations that are designed to ensure that Bermuda Re is not engaged in the conduct of a trade or business in the U.S. Based on its compliance with those guidelines, we believe that Bermuda Re should not be required to pay U.S. corporate income tax, other than withholding tax on U.S. source dividend income. However, if the IRS were to successfully assert that Bermuda Re was engaged in a U.S. trade or business, Bermuda Re would be required to pay U.S. corporate income tax on all of its income and possibly the U.S. branch profits tax. However, if the IRS were to successfully assert that Bermuda Re was engaged in a U.S. trade or business, we believe the U.S.-Bermuda tax treaty would preclude the IRS from taxing Bermuda Re's income except to the extent that its income was attributable to a U.S. permanent establishment maintained by that subsidiary. We do not believe that Bermuda Re has a permanent establishment in the U.S. If the IRS were to successfully assert that Bermuda Re did have income attributable to a permanent establishment in the U.S., Bermuda Re would be subject to U.S. tax only on that income. This would reduce our net income.

Group. We conduct our operations in a manner designed to minimize our U.S. tax exposures. Based on our compliance with guidelines designed to ensure that we generate only immaterial amounts, if any, of income that is subject to the taxing jurisdiction of the U.S., we believe that we should be required to pay only immaterial amounts, if any, of U.S. corporate income tax, other than withholding tax on U.S. source dividend income. However, if the IRS successfully asserted that we had material amounts of income that was subject to the taxing jurisdiction of the U.S., we would be required to pay U.S. corporate income tax on that income, and possibly the U.S. branch profits tax. The imposition of such tax would reduce our net income.

If Bermuda Re became subject to U.S. income tax on its income, or if we became subject to U.S. income tax, our income could also be subject to the U.S. branch profits tax. In that event, Group and Bermuda Re would be subject to taxation at a higher combined effective rate than if they were organized as U.S. corporations. The combined effect of the 21% U.S. corporate income tax rate and the 30% branch profits tax rate is a net tax rate of 44.7%. The imposition of these taxes would reduce our net income.

Group and/or Bermuda Re may become subject to Bermuda tax, which would reduce our net income.

Group and Bermuda Re are not subject to income or profits tax, withholding tax or capital gains taxes in Bermuda. Both companies have received an assurance from the Bermuda Minister of Finance under The Exempted Undertakings Tax Protection Amendment Act of 2011 to the effect that if any legislation is enacted in Bermuda that imposes any tax computed on profits or income, or computed on any capital asset, gain or appreciation, or any tax in the nature of estate duty or inheritance tax, then that tax will not apply to us or to any of our operations or our shares, debentures or other obligations until March 31, 2035. This assurance does not prevent the application of any of those taxes to persons ordinarily resident in Bermuda and does not prevent the imposition of any tax payable in accordance with the provisions of The Land Tax Act 1967 of Bermuda or otherwise payable in relation to any land leased to Group or Bermuda Re.

Our net income will be reduced if U.S. excise and withholding taxes are increased.

Bermuda Re is subject to federal excise tax on reinsurance and insurance premiums with respect to risks located in the U.S. In addition, Bermuda Re is subject to withholding tax on dividend income from U.S. sources. These taxes could increase and other taxes could be imposed in the future on Bermuda Re's business, which would reduce our net income.

ITEM 1B. UNRESOLVED STAFF COMMENTS

None.

37

ITEM 2. PROPERTIES

Everest Re’s corporate offices are located in approximately 230,500 square feet of leased office space in Liberty Corner, New Jersey. Bermuda Re’s corporate offices are located in approximately 12,300 total square feet of leased office space in Hamilton, Bermuda. The Company’s other 25 locations occupy a total of approximately 223,650 square feet, all of which are leased. Management believes that the above-described office space is adequate for its current and anticipated needs.

ITEM 3. LEGAL PROCEEDINGS

In the ordinary course of business, the Company is involved in lawsuits, arbitrations and other formal and informal dispute resolution procedures, the outcomes of which will determine the Company’s rights and obligations under insurance and reinsurance agreements. In some disputes, the Company seeks to enforce its rights under an agreement or to collect funds owing to it. In other matters, the Company is resisting attempts by others to collect funds or enforce alleged rights. These disputes arise from time to time and are ultimately resolved through both informal and formal means, including negotiated resolution, arbitration and litigation. In all such matters, the Company believes that its positions are legally and commercially reasonable. The Company considers the statuses of these proceedings when determining its reserves for unpaid loss and loss adjustment expenses.

Aside from litigation and arbitrations related to these insurance and reinsurance agreements, the Company is not a party to any other material litigation or arbitration.

ITEM 4. MINE SAFETY DISCLOSURES

Not Applicable.

PART II

ITEM 5. MARKET FOR REGISTRANT’S COMMON EQUITY, RELATED SHAREHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES

Market Information.

The common shares of Group trade on the New York Stock Exchange under the symbol, “RE”. The quarterly high and low closing market prices of Group’s common shares for the periods indicated were:

| | 2018 | | 2017 | |
|----------------|----------|----------|----------|----------|
| | High | Low | High | Low |
| First Quarter | \$262.67 | \$216.47 | \$239.15 | \$216.04 |
| Second Quarter | 260.00 | 224.72 | 258.12 | 230.63 |
| Third Quarter | 236.32 | 209.84 | 271.12 | 211.94 |
| Fourth Quarter | 230.17 | 205.03 | 240.51 | 210.36 |

Number of Holders of Common Shares.

The number of record holders of common shares as of February 1, 2019 was 443. That number does not include the beneficial owners of shares held in “street” name or held through participants in depositories, such as The Depository Trust Company.

Dividend History and Restrictions.

In 1995, the Board of Directors of the Company established a policy of declaring regular quarterly cash dividends and has paid a regular quarterly dividend in each quarter since the fourth quarter of 1995. The Company declared and paid its quarterly cash dividend of \$1.25 per share for the first three quarters of 2017. The Company declared and paid its quarterly cash dividend of \$1.30 per share for the fourth quarter of 2017 and for the first three quarters of 2018. The Company declared and paid its quarterly cash dividend of \$1.40 per share for the fourth quarter of 2018. On February 20, 2019, the Company's Board of Directors declared a dividend of \$1.40 per share, payable on or before March 20, 2019 to shareholders of record on March 6, 2019.

The declaration and payment of future dividends, if any, by the Company will be at the discretion of the Board of Directors and will depend upon many factors, including the Company's earnings, financial condition, business needs and growth objectives, capital and surplus requirements of its operating subsidiaries, regulatory restrictions, rating agency considerations and other factors. As an insurance holding company, the Company is partially dependent on dividends and other permitted payments from its subsidiaries to pay cash dividends to its shareholders. The payment of dividends to Group by Holdings and to Holdings by Everest Re is subject to Delaware regulatory restrictions and the payment of dividends to Group by Bermuda Re is subject to Bermuda insurance regulatory restrictions. See "Regulatory Matters – Dividends" and ITEM 8, "Financial Statements and Supplementary Data" - Note 14 of Notes to Consolidated Financial Statements.

Purchases of Equity Securities by the Issuer and Affiliated Purchasers

Issuer Purchases of Equity Securities

| | (a) | (b) | (c) | (d) |
|------------------------|---|--|---|---|
| Period | Total Number of Shares (or Units) Purchased | Average Price Paid per Share (or Unit) | Total Number of Shares (or Units) Purchased as Part of Publicly Announced Plans or Programs | Maximum Number (or Approximate Dollar Value) of Shares (or Units) that May Yet Be Purchased Under the Plans or Programs (1) |
| January 1 - 31, 2018 | 0 | \$ - | 0 | 1,785,507 |
| February 1 - 28, 2018 | 48,471 | \$ 242.0134 | 0 | 1,785,507 |
| March 1 - 31, 2018 | 0 | \$ - | 0 | 1,785,507 |
| April 1 - 30, 2018 | 0 | \$ - | 0 | 1,785,507 |
| May 1 - 31, 2018 | 67,877 | \$ 224.1978 | 67,000 | 1,718,507 |
| June 1 - 30, 2018 | 45,747 | \$ 224.8436 | 45,747 | 1,672,760 |
| July 1 - 31, 2018 | 232 | \$ 234.6125 | 0 | 1,672,760 |
| August 1 - 31, 2018 | 170,563 | \$ 217.2371 | 170,338 | 1,502,422 |
| September 1 - 30, 2018 | 60,132 | \$ 219.8726 | 59,094 | 1,443,328 |
| October 1 - 31, 2018 | 0 | \$ - | 0 | 1,443,328 |
| November 1 - 30, 2018 | 493 | \$ 217.5254 | 0 | 1,443,328 |
| December 1 - 31, 2018 | 0 | \$ - | 0 | 1,443,328 |
| Total | 393,515 | \$ - | 342,179 | 1,443,328 |

(1) On September 21, 2004, the Company's board of directors approved an amended share repurchase program authorizing the Company and/or its subsidiary Holdings to purchase up to an aggregate of 5,000,000 of the Company's common shares through open market transactions, privately negotiated transactions or both. On July 21, 2008; February 24, 2010; February 22, 2012; May 15, 2013; and November 19, 2014, the Company's executive committee of the Board of Directors has approved subsequent amendments to the share repurchase program authorizing the

Company and/or its subsidiary Holdings, to purchase up to a current aggregate of 30,000,000 of the Company's shares (recognizing that the number of shares authorized for repurchase has been reduced by those shares that have already been purchased) in open market transactions, privately negotiated transactions or both.

Recent Sales of Unregistered Securities.

None.

39

Performance Graph.

The following Performance Graph compares cumulative total shareholder returns on the Common Shares (assuming reinvestment of dividends) from December 31, 2013 through December 31, 2018, with the cumulative total return of the Standard & Poor's 500 Index and the Standard & Poor's Insurance (Property and Casualty) Index.

| | 12/13 | 12/14 | 12/15 | 12/16 | 12/17 | 12/18 |
|-------------------------|--------|--------|--------|--------|--------|--------|
| Everest Re Group, | 100.00 | 111.44 | 122.52 | 148.36 | 154.94 | 156.07 |

| | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|
| Ltd. | | | | | | |
| S&P | | | | | | |
| 500 | 100.00 | 113.69 | 115.26 | 129.05 | 157.22 | 150.33 |
| S&P | | | | | | |
| Property | | | | | | |
| & | 100.00 | 115.74 | 126.77 | 146.68 | 179.52 | 171.10 |
| Casualty | | | | | | |
| Insurance | | | | | | |

*\$100 invested on 12/31/13 in stock or index, including reinvestment of dividends.

Fiscal year ending December 31.

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ITEM 6. SELECTED FINANCIAL DATA

The following selected consolidated GAAP financial data of the Company as of and for the years ended December 31, 2018, 2017, 2016, 2015 and 2014, were derived from the audited consolidated financial statements of the Company. The following financial data should be read in conjunction with the Consolidated Financial Statements and accompanying notes.

| (Dollars in millions, except per share amounts) | Years Ended December 31, | | | | |
|---|--------------------------|------------|------------|------------|------------|
| | 2018 | 2017 | 2016 | 2015 | 2014 |
| Operating data: | | | | | |
| Gross written premiums | \$8,475.2 | \$7,173.9 | \$6,033.9 | \$5,891.7 | \$5,762.9 |
| Net written premiums | 7,414.4 | 6,244.7 | 5,270.9 | 5,182.3 | 5,132.4 |
| Premiums earned | 6,931.7 | 5,937.8 | 5,320.5 | 5,292.8 | 5,043.7 |
| Net investment income | 581.2 | 542.9 | 473.1 | 473.5 | 530.5 |
| Net realized capital gains (losses) | (127.1) | 153.2 | (7.2) | (184.1) | 84.0 |
| Incurred losses and loss adjustment expenses (including catastrophes) | 5,651.4 | 4,522.6 | 3,139.6 | 3,064.7 | 2,875.9 |
| Net catastrophe losses ⁽¹⁾ | 1,669.8 | 1,339.1 | 286.0 | 50.7 | 50.1 |
| Commission, brokerage, taxes and fees | 1,519.0 | 1,304.0 | 1,188.7 | 1,183.6 | 1,121.1 |
| Other underwriting expenses | 371.5 | 318.8 | 302.7 | 257.1 | 233.1 |
| Corporate expenses | 30.7 | 25.9 | 27.2 | 23.3 | 23.4 |
| Interest, fees and bond issue cost amortization expense | 31.0 | 31.6 | 36.2 | 36.2 | 38.5 |
| Income (loss) before taxes | (226.5) | 405.2 | 1,099.8 | 1,111.9 | 1,386.8 |
| Income tax expense (benefit) | (330.0) | (63.8) | 103.5 | 134.0 | 187.7 |
| Net income (loss) ⁽²⁾ | 103.6 | 469.0 | 996.3 | 977.9 | 1,199.2 |
| EARNINGS PER COMMON SHARE: | | | | | |
| Basic ⁽³⁾ | \$2.54 | \$11.43 | \$23.85 | \$22.29 | \$26.16 |
| Diluted ⁽⁴⁾ | \$2.53 | \$11.36 | \$23.68 | \$22.10 | \$25.91 |
| Dividends declared | \$5.30 | \$5.05 | \$4.70 | \$4.00 | \$3.20 |
| Certain GAAP financial ratios: ⁽⁵⁾ | | | | | |
| Loss ratio | 81.5 | % 76.2 | % 59.0 | % 57.9 | % 57.0 |
| Other underwriting expense ratio | 27.3 | % 27.3 | % 28.0 | % 27.2 | % 26.8 |
| Combined ratio ⁽²⁾ | 108.8 | % 103.5 | % 87.0 | % 85.1 | % 83.8 |
| Balance sheet data (at end of period): | | | | | |
| Total investments and cash | \$18,433.1 | \$18,626.5 | \$17,483.1 | \$16,676.4 | \$16,880.8 |
| Total assets | 24,794.0 | 23,591.8 | 21,321.5 | 20,545.4 | 20,339.9 |
| Loss and LAE reserves | 13,119.1 | 11,884.3 | 10,312.3 | 9,951.8 | 9,720.8 |
| Total debt | 633.6 | 633.4 | 633.2 | 633.0 | 632.7 |
| Total liabilities | 16,890.2 | 15,222.6 | 13,246.1 | 12,936.8 | 12,888.8 |
| Shareholders' equity | 7,903.8 | 8,369.2 | 8,075.4 | 7,608.6 | 7,451.1 |
| Book value per share ⁽⁶⁾ | 194.43 | 204.95 | 197.45 | 178.21 | 166.75 |

- Catastrophe losses are presented net of reinsurance and reinstatement premiums. Catastrophe insurance provides coverage for one event. When limits are exhausted, some contractual arrangements provide for the availability of additional coverage upon the payment of additional premium. This additional premium is referred to as reinstatement premium.
- (1)
- (2) Some amounts may not reconcile due to rounding.
- (3) Based on weighted average basic common shares outstanding of 40.4 million, 40.6 million, 41.3 million, 43.4 million and 45.4 million for 2018, 2017, 2016, 2015 and 2014, respectively.
- (4) Based on weighted average diluted common shares outstanding of 40.6 million, 40.8 million, 41.6 million, 43.8 million and 45.8 million for 2018, 2017, 2016, 2015 and 2014, respectively.
- (5) Loss ratio is the GAAP losses and LAE incurred as a percentage of GAAP net premiums earned. Underwriting expense ratio is the GAAP commissions, brokerage, taxes, fees and other underwriting expenses as a percentage of GAAP net premiums earned. Combined ratio is the sum of the loss ratio and underwriting expense ratio.
- (6) Based on 40.7 million, 40.8 million, 40.9 million, 42.7 million and 44.7 million common shares outstanding for December 31, 2018, 2017, 2016, 2015 and 2014, respectively.

ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATION

The following is a discussion and analysis of our results of operations and financial condition. It should be read in conjunction with the Consolidated Financial Statements and accompanying notes thereto presented under ITEM 8, "Financial Statements and Supplementary Data".

Industry Conditions.

The worldwide reinsurance and insurance businesses are highly competitive, as well as cyclical by product and market. As such, financial results tend to fluctuate with periods of constrained availability, higher rates and stronger profits followed by periods of abundant capacity, lower rates and constrained profitability. Competition in the types of reinsurance and insurance business that we underwrite is based on many factors, including the perceived overall financial strength of the reinsurer or insurer, ratings of the reinsurer or insurer by A.M. Best and/or Standard & Poor's, underwriting expertise, the jurisdictions where the reinsurer or insurer is licensed or otherwise authorized, capacity and coverages offered, premiums charged, other terms and conditions of the reinsurance and insurance business offered, services offered, speed of claims payment and reputation and experience in lines written. Furthermore, the market impact from these competitive factors related to reinsurance and insurance is generally not consistent across lines of business, domestic and international geographical areas and distribution channels.

We compete in the U.S., Bermuda and international reinsurance and insurance markets with numerous global competitors. Our competitors include independent reinsurance and insurance companies, subsidiaries or affiliates of established worldwide insurance companies, reinsurance departments of certain insurance companies, domestic and international underwriting operations, including underwriting syndicates at Lloyd's of London and certain government sponsored risk transfer vehicles. Some of these competitors have greater financial resources than we do and have established long term and continuing business relationships, which can be a significant competitive advantage. In addition, the lack of strong barriers to entry into the reinsurance business and recently, the securitization of reinsurance and insurance risks through capital markets provide additional sources of potential reinsurance and insurance capacity and competition.

Worldwide insurance and reinsurance market conditions continued to be very competitive, particularly in the property catastrophe and casualty reinsurance lines of business. Generally, there was ample insurance and reinsurance capacity relative to demand, as well as, additional capital from the capital markets through insurance linked financial instruments. These financial instruments such as side cars, catastrophe bonds and collateralized reinsurance funds, provide capital markets with access to insurance and reinsurance risk exposure. The capital markets demand for these products is being primarily driven by the current low interest environment and the desire to achieve greater risk diversification and potentially higher returns on their investments. This increased competition is generally having a negative impact on rates, terms and conditions; however, the impact varies widely by market and coverage.

Rates tend to fluctuate by specific region and products, particularly areas recently impacted by large catastrophic events. There were numerous natural catastrophes in 2018 with total industry losses estimated to be \$90 billion. The costliest event was the Camp Wildfire in California, the deadliest and most destructive California fire on record. These 2018 catastrophe losses followed another record year of catastrophes in 2017 where total industry losses for the worldwide events were estimated at \$140 billion. These catastrophe losses included an unprecedented series of catastrophes in the third quarter of 2017 with Hurricanes Harvey, Irma and Maria, as well as a significant earthquake in Mexico City. Additional catastrophe events occurred in the fourth quarter of 2017 with the wild fires in California and Hurricanes Nate and Ophelia. During 2016, catastrophe losses included the Fort McMurray Canadian wildfire, Hurricane Matthew which affected a large area of the Caribbean and southeastern United States, storms and an earthquake in Ecuador. While the future impact on market conditions from these catastrophes cannot be determined at this time, there was some firming in the markets impacted by the 2016 catastrophes and as catastrophe losses

increased in 2017, there is a growing industry consensus that there will be some firming of (re)insurance rates for the areas impacted by the catastrophes.

42

Commencing in 2015, we initiated a strategic build out of our insurance platform through the investment in key leadership hires which in turn has brought significant underwriting talent and stronger direction in achieving our insurance program strategic goals of increased premium volume and improved underwriting results. Recent growth is coming from highly diversified areas including newly launched lines of business, as well as, product and geographic expansion in existing lines of business. We are building a world-class insurance platform capable of offering products across lines and geographies, complementing our leading global reinsurance franchise. As part of this initiative, we launched a new syndicate through Lloyd's of London and formed Ireland Insurance, providing us access to additional international business and new product opportunities to further diversify and broaden our insurance portfolio.

Overall, we believe that given our size, strong ratings, distribution system, reputation, expertise and capital market vehicle activity the current marketplace conditions provide profit opportunities. We continue to employ our strategy of targeting business that offers the greatest profit potential, while maintaining balance and diversification in our overall portfolio.

Financial Summary.

We monitor and evaluate our overall performance based upon financial results. The following table displays a summary of the consolidated net income (loss), ratios and shareholders' equity for the periods indicated.

| (Dollars in millions) | Years Ended December 31, | | | Percentage Increase/(Decrease) | | | | |
|---|--------------------------|----------------|----------------|--------------------------------|----------|--------------|----------|--------|
| | 2018 | 2017 | 2016 | 2018/2017 | | 2017/2016 | | |
| Gross written premiums | \$8,475.2 | \$7,173.9 | \$6,033.9 | 18.1 | % | 18.9 | % | |
| Net written premiums | 7,414.4 | 6,244.7 | 5,270.9 | 18.7 | % | 18.5 | % | |
| REVENUES: | | | | | | | | |
| Premiums earned | \$6,931.7 | \$5,937.8 | \$5,320.5 | 16.7 | % | 11.6 | % | |
| Net investment income | 581.2 | 542.9 | 473.1 | 7.1 | % | 14.8 | % | |
| Net realized capital gains (losses) | (127.1) | 153.2 | (7.2) | -183.0 | % | NM | | |
| Net derivative gain (loss) | 0.5 | 9.6 | 18.6 | -94.6 | % | -48.6 | % | |
| Other income (expense) | (9.1) | (35.4) | (10.6) | -74.4 | % | 233.2 | % | |
| Total revenues | 7,377.2 | 6,608.1 | 5,794.3 | 11.6 | % | 14.0 | % | |
| CLAIMS AND EXPENSES: | | | | | | | | |
| Incurred losses and loss adjustment expenses | 5,651.4 | 4,522.6 | 3,139.6 | 25.0 | % | 44.0 | % | |
| Commission, brokerage, taxes and fees | 1,519.0 | 1,304.0 | 1,188.7 | 16.5 | % | 9.7 | % | |
| Other underwriting expenses | 371.5 | 318.8 | 302.7 | 16.5 | % | 5.3 | % | |
| Corporate expenses | 30.7 | 25.9 | 27.2 | 18.3 | % | -4.8 | % | |
| Interest, fees and bond issue cost amortization expense | 31.0 | 31.6 | 36.2 | -1.8 | % | -12.8 | % | |
| Total claims and expenses | 7,603.7 | 6,202.9 | 4,694.5 | 22.6 | % | 32.1 | % | |
| INCOME (LOSS) BEFORE TAXES | (226.5) | 405.2 | 1,099.8 | -155.9 | % | -63.2 | % | |
| Income tax expense (benefit) | (330.0) | (63.8) | 103.5 | NM | | -161.6 | % | |
| NET INCOME (LOSS) | \$103.6 | \$469.0 | \$996.3 | -77.9 | % | -52.9 | % | |
| RATIOS: | | | | | | | | |
| Loss ratio | 81.5 | % | 76.2 | % | 59.0 | % | 5.3 | 17.2 |
| Commission and brokerage ratio | 21.9 | % | 22.0 | % | 22.3 | % | (0.1) | (0.3) |
| Other underwriting expense ratio | 5.4 | % | 5.3 | % | 5.7 | % | 0.1 | (0.4) |

Combined ratio 108.8 % 103.5 % 87.0 % 5.3 16.5

| (Dollars in millions, except per share amounts) | At December 31, | | | Percentage Increase/(Decrease) | | | |
|---|-----------------|------------|------------|--------------------------------|-----------|------|---|
| | 2018 | 2017 | 2016 | 2018/2017 | 2017/2016 | | |
| Balance sheet data: | | | | | | | |
| Total investments and cash | \$18,433.1 | \$18,626.5 | \$17,483.1 | -1.0 | % | 6.5 | % |
| Total assets | 24,794.0 | 23,591.8 | 21,321.5 | 5.1 | % | 10.6 | % |
| Loss and loss adjustment expense reserves | 13,119.1 | 11,884.3 | 10,312.3 | 10.4 | % | 15.2 | % |
| Total debt | 633.6 | 633.4 | 633.2 | 0.0 | % | 0.0 | % |
| Total liabilities | 16,890.2 | 15,222.6 | 13,246.1 | 11.0 | % | 14.9 | % |
| Shareholders' equity | 7,903.8 | 8,369.2 | 8,075.4 | -5.6 | % | 3.6 | % |
| Book value per share | 194.43 | 204.95 | 197.45 | -5.1 | % | 3.8 | % |

(NM, not meaningful)

(Some amounts may not reconcile due to rounding.)

Revenues.

Premiums. Gross written premiums increased by 18.1% to \$8,475.2 million in 2018, compared to \$7,173.9 million in 2017, reflecting a \$1,109.9 million, or 21.7%, increase in our reinsurance business and a \$191.3 million, or 9.3%, increase in our insurance business. The increase in reinsurance premiums was mainly due to increases in treaty property and treaty casualty writings, rise in mortgage business, growth in Latin American business, and increases in production from our U.K. branch and Ireland office. The rise in insurance premiums was primarily due to increases in many lines of business, including casualty, energy, accident and health and business written through the Lloyd's Syndicate. Net written premiums increased by 18.7% to \$7,414.4 million in 2018, compared to \$6,244.7 million in 2017. This change is consistent with the change in gross written premiums. Premiums earned increased by 16.7% to \$6,931.7 million in 2018, compared to \$5,937.8 million in 2017. The change in premiums earned relative to net written premiums is the result of timing; premiums are earned ratably over the coverage period whereas written premiums are recorded at the initiation of the coverage period.

Gross written premiums increased by 18.9% to \$7,173.9 million in 2017, compared to \$6,033.9 million in 2016, reflecting an \$867.8 million, or 20.4%, increase in our reinsurance business and a \$272.2 million, or 15.2%, increase in our insurance business. The increase in reinsurance premiums was mainly due to new crop reinsurance transactions, increases in treaty property and financial lines of business and the influx of reinstatement premiums related to multiple catastrophe events in the third quarter. The rise in insurance premiums was related to most lines of business, including property, retail casualty, accident and health and business written through the Lloyd's Syndicate, partially offset by the impact of the sale of Heartland. Net written premiums increased by 18.5% to \$6,244.7 million in 2017, compared to \$5,270.9 million in 2016. This change is consistent with the change in gross written premiums. Premiums earned increased by 11.6% to \$5,937.8 million in 2017, compared to \$5,320.5 million in 2016. The change in premiums earned relative to net written premiums is the result of timing; premiums are earned ratably over the coverage period whereas written premiums are recorded at the initiation of the coverage period.

Net Investment Income. Net investment income increased by 7.1% to \$581.2 million in 2018 compared with investment income of \$542.9 million in 2017. Net pre-tax investment income, as a percentage of average invested assets, was 3.2% in 2018 compared to 3.1% in 2017. The increases in both income and yield were primarily the result of higher income from our growing fixed maturity portfolio and higher income from our limited partnerships, partially offset by lower dividend income from our equity portfolio.

Net investment income increased by 14.8% to \$542.9 million in 2017 compared with investment income of \$473.1 million in 2016. Net pre-tax investment income, as a percentage of average invested assets, was 3.1% in 2017 compared to 2.8% in 2016. The increases in income and yield were primarily the result of higher income from our limited partnerships and higher income from the growing fixed income portfolio, partially offset by lower dividend income from our equity portfolio.

Net Realized Capital Gains (Losses). Net realized capital losses were \$127.1 million in 2018, net realized capital gains were \$153.2 million in 2017 and net realized capital losses were \$7.2 million in 2016. The net realized capital losses of \$127.1 million in 2018 were comprised of \$67.3 million of net losses from fair value re-measurements, \$51.7 million of net realized capital losses from sales of investments and \$8.1 million of other-than-temporary impairments. The net realized capital gains of \$153.2 million in 2017 were comprised of \$139.0 million of net gains from fair value re-measurements and \$21.3 million of net realized capital gains from sales of investments, partially offset by \$7.1 million of other-than-temporary impairments. The net realized capital losses of \$7.2 million in 2016 were comprised of \$31.6 million of other-than-temporary impairments, realized capital loss of \$28.0 million from the sale of our Heartland subsidiary and \$6.7 million of net realized capital losses from sales of investments, partially offset by \$59.1 million of net gains from fair value re-measurements.

Net Derivative Gain (Loss). In 2005 and prior, we sold seven equity index put option contracts, six of which remain outstanding. These contracts meet the definition of a derivative in accordance with FASB guidance and as such, are

fair valued each quarter with the change recorded as net derivative gain or loss in the consolidated statements of operations and comprehensive income (loss). As a result of these adjustments in value, we recognized net derivative gains of \$0.5 million, \$9.6 million and 18.6 million in 2018, 2017 and 2016, respectively. The change in the fair value of these equity index put option contracts is generally indicative of the change in the equity markets and interest rates over the same periods.

44

Other Income (Expense). We recorded other expense of \$9.1 million, \$35.4 million and \$10.6 million in 2018, 2017 and 2016, respectively. The changes were primarily the result of fluctuations in foreign currency exchange rates, income related to Mt. Logan Re and changes in deferred gains related to any retroactive reinsurance transactions. We recognized foreign currency exchange income of \$18.1 million in 2018 and foreign currency exchange expense of \$25.5 million and \$21.2 million in 2017 and 2016, respectively.

Claims and Expenses.

Incurred Losses and Loss Adjustment Expenses. The following table presents our incurred losses and loss adjustment expenses (“LAE”) for the periods indicated.

| (Dollars in millions) | Years Ended December 31, | | | | | |
|---------------------------|--------------------------|-----------------------|-------------|-----------------------|----------------|-----------------------|
| | Current Year | Ratio %/ Pt Change | Prior Years | Ratio %/ Pt Change | Total Incurred | Ratio %/ Pt Change |
| 2018 | | | | | | |
| Attrititional | \$ 4,025.4 | 58.0% | \$(174.1) | -2.5 % | \$3,851.2 | 55.5% |
| Catastrophes | 1,239.0 | 17.9% | 561.2 | 8.1 % | 1,800.2 | 26.0% |
| Total segment | \$ 5,264.3 | 75.9% | \$387.1 | 5.6 % | \$5,651.4 | 81.5% |
| 2017 | | | | | | |
| Attrititional | \$ 3,313.5 | 55.8% | \$(263.4) | -4.4 % | \$3,050.0 | 51.4% |
| Catastrophes | 1,502.5 | 25.3% | (30.0) | -0.5 % | 1,472.6 | 24.8% |
| Total segment | \$ 4,816.0 | 81.1% | \$(293.4) | -4.9 % | \$4,522.6 | 76.2% |
| 2016 | | | | | | |
| Attrititional | \$ 3,047.1 | 57.2% | \$(208.7) | -3.9 % | \$2,838.4 | 53.3% |
| Catastrophes | 387.9 | 7.3 % | (86.6) | -1.6 % | 301.2 | 5.7 % |
| Total segment | \$ 3,435.0 | 64.5% | \$(295.3) | -5.5 % | \$3,139.6 | 59.0% |
| Variance 2018/2017 | | | | | | |
| Attrititional | \$ 711.9 | 2.2 pts | \$89.3 | 1.9 pts | \$801.2 | 4.1 pts |
| Catastrophes | (263.6) | (7.4) pts | 591.2 | 8.6 pts | 327.6 | 1.2 pts |
| Total segment | \$ 448.4 | (5.2) pts | \$680.5 | 10.5 pts | \$1,128.8 | 5.3 pts |
| Variance 2017/2016 | | | | | | |
| Attrititional | \$ 266.4 | (1.4) pts | \$(54.7) | (0.5) pts | \$211.6 | (1.9) pts |
| Catastrophes | 1,114.6 | 18.0 pts | 56.6 | 1.1 pts | 1,171.4 | 19.1 pts |
| Total segment | \$ 1,381.0 | 16.6 pts | \$1.9 | 0.6 pts | \$1,383.0 | 17.2 pts |

(Some amounts may not reconcile due to rounding.)

Incurred losses and LAE increased by 25.0% to \$5,651.4 million in 2018, compared to \$4,522.6 million in 2017, primarily due to an increase in current year attrititional losses of \$711.9 million, mainly due to the impact of the increase in premiums earned and changes in the mix of business, and unfavorable development of \$561.2 million on prior years catastrophe losses, mainly related to Hurricanes Harvey, Irma and Maria and the California wildfires. The increase in loss estimates for Hurricanes Harvey, Irma and Maria was mostly driven by re-opened claims reported in the second quarter of 2018 and loss inflation from higher than expected loss adjustment expenses and in particular, their impact on aggregate covers. These increases were partially offset by a decrease of \$263.6 million in current year catastrophe losses. The current year catastrophe losses of \$1,239.0 million in 2018 related to Hurricane Michael

(\$462.0 million), Camp wildfire (\$322.0 million), Woolsey wildfire (\$154.0 million), Typhoon Jebi (\$80.0 million), Hurricane Florence (\$73.8 million), Cyclone Mekunu (\$43.7 million), Typhoon Trami (\$25.0 million), Australia Hailstorm (\$25.0 million), other 2018 California wildfires (\$24.6 million), Japan floods (\$20.5 million) and the U.S. winter storms (\$8.4 million). The \$1,502.5 million of current year catastrophe losses in 2017 related to Hurricane Irma (\$558.1 million), Hurricane Maria (\$361.7 million), Hurricane Harvey (\$316.7 million), the 2017 Northern California wildfires (\$149.9 million), the Mexico City earthquake (\$31.0 million), the South Africa Knysna fires (\$23.7 million), Cyclone Debbie in Australia (\$22.1 million), the Peru storms (\$14.9 million), the 2017 US Midwest storms (\$12.9 million) and the Southern California wildfires (\$11.6 million).

Incurred losses and LAE increased by 44.0% to \$4,522.6 million in 2017, compared to \$3,139.6 million in 2016, primarily due to an increase of \$1,114.6 million in current year catastrophe losses and an increase in current year attritional losses of \$266.4 million, mainly due to the impact of the increase in premiums earned and \$56.6 million of less favorable development on prior years catastrophe losses in 2017 compared to 2016. These increases were partially offset by an additional \$54.7 million of favorable development on prior years attritional losses in 2017 compared to 2016. The \$263.4 million of favorable

development on prior years attritional losses in 2017 was mainly comprised of \$207.1 million of favorable development on reinsurance business, primarily related to property and short tail business in the United States and Bermuda, and \$56.4 million of favorable development on insurance business, mainly related to workers compensation business. The \$1,502.5 million of current year catastrophe losses in 2017 is outlined above. The \$387.9 million of current year catastrophe losses in 2016 related to Hurricane Matthew (\$135.0 million), the Fort McMurray Canada wildfire (\$115.8 million), 2016 U.S. storms (\$51.6 million), the Ecuador earthquake (\$23.2 million), the 2016 New Zealand earthquake (\$18.9 million), the 2016 Taiwan earthquake (\$15.1 million), the Tennessee wildfire (\$14.7 million) and Hurricane Hermine (\$13.5 million).

Commission, Brokerage, Taxes and Fees. Commission, brokerage, taxes and fees increased by 16.5% to \$1,519.0 million for the year ended December 31, 2018 compared to \$1,304.0 million for the year ended December 31, 2017. The changes were primarily due to the impact of the increases in premiums earned and changes in the mix of business towards additional pro rata business.

Commission, brokerage, taxes and fees increased by 9.7% to \$1,304.0 million for the year ended December 31, 2017 compared to \$1,188.7 million for the year ended December 31, 2016. The change was primarily due to the impact of the increases in premiums earned and changes in the mix of business.

Other Underwriting Expenses. Other underwriting expenses were \$371.5 million, \$318.8 million and \$302.7 million in 2018, 2017 and 2016, respectively. The increases in other underwriting expenses were mainly due to the impact of the increases in premiums earned and costs incurred to support the continued expansion of the insurance business.

Corporate Expenses. Corporate expenses, which are general operating expenses that are not allocated to segments, were \$30.7 million, \$25.9 million and \$27.2 million for the years ended December 31, 2018, 2017 and 2016, respectively.

Interest, Fees and Bond Issue Cost Amortization Expense. Interest, fees and other bond amortization expense was \$31.0 million, \$31.6 million and \$36.2 million in 2018, 2017 and 2016, respectively. The changes in expense were primarily due to the movements in the floating interest rate related to the long term subordinated notes, which is reset quarterly per the note agreement. The floating rate was 5.0% as of December 31, 2018.

Income Tax Expense (Benefit). We had an income tax benefit of \$330.0 million in 2018 and \$63.8 million in 2017, which included \$8.2 million of tax expense related to the enactment of the TCJA, and income tax expense of \$103.5 million in 2016, respectively. Income tax expense is primarily a function of the geographic location of the Company's pre-tax income and the statutory tax rates in those jurisdictions. The effective tax rate ("ETR") is primarily affected by tax-exempt investment income, foreign tax credits and dividends. Variations in the ETR generally result from changes in the relative levels of pre-tax income, including the impact of catastrophe losses and net capital gains (losses), among jurisdictions with different tax rates. The change in income tax expense (benefit) was primarily due to the increase in incurred losses, including catastrophe losses, and loss adjustment expenses from 2017 to 2018. In addition, the tax rate was lowered from 35% in 2017 to 21% in 2018 under the TCJA.

The TCJA caused the Company to record income tax expense of \$8.2 million in 2017. This income tax expense reflects the lower 21% tax benefit to be realized by the Company under the TCJA upon the reversal of the temporary differences in its deferred tax inventory account versus the 35% tax benefit that had been expected before the TCJA. In 2018, the Company recorded adjustments to the amount of tax expense it recorded in 2017 with respect to the TCJA as estimated amounts were finalized.

During 2018, the Company completed its accounting, including interpretation of the additional guidance issued by the IRS and U.S. Treasury, and recognized an income tax benefit of \$28.4 million primarily related to the 2017 tax return to tax provision true-up recorded in 2018.

Net Income (Loss).

Our net income was \$103.6 million, \$469.0 million and \$996.3 million in 2018, 2017 and 2016, respectively. The changes were primarily driven by the financial component fluctuations explained above.

Ratios.

Our combined ratio increased by 5.3 points to 108.8% in 2018, compared to 103.5% in 2017. The loss ratio component increased 5.3 points in 2018 over the same period last year mainly due to unfavorable development on prior years catastrophe losses. The commission and brokerage ratio components remained flat at 21.9% in 2018 compared to 22.0% in 2017. The other underwriting expense ratios also remained flat at 5.4% in 2018 compared to 5.3% in 2017.

Our combined ratio increased by 16.5 points to 103.5% in 2017, compared to 87.0% in 2016. The loss ratio component increased 17.2 points in 2017 over the same period last year. The change was mainly due to the increases in current year catastrophe losses. The commission and brokerage ratio components decreased to 22.0% in 2017 from 22.3% in 2016, reflecting changes in the mix of business and the impact from reinstatement premiums. The other underwriting expense ratios decreased to 5.3% in 2017 from 5.7% in 2016, mainly due to a reduction in variable compensation combined with the growth in premiums earned.

Shareholders' Equity.

Shareholders' equity decreased by \$465.4 million to \$7,903.8 million at December 31, 2018 from \$8,369.2 million at December 31, 2017, principally as a result of \$228.2 million of unrealized depreciation on investments net of tax, \$216.2 million of shareholder dividends, \$76.8 million of net foreign currency translation adjustments and the repurchase of 0.3 million common shares for \$75.3 million, partially offset by \$103.6 million of net income, \$23.0 million of share-based compensation transactions and \$4.5 million of net benefit plan obligation adjustments, net of tax.

Shareholders' equity increased by \$293.8 million to \$8,369.2 million at December 31, 2017 from \$8,075.4 million at December 31, 2016, principally as a result of \$469.0 million of net income, \$121.9 million of net foreign currency translation adjustments, \$25.0 million of share-based compensation transactions and \$6.5 million of net benefit plan obligation adjustments, partially offset by \$207.2 million of shareholder dividends, \$71.3 million of unrealized depreciation on investments, net of tax and repurchases of 0.2 million common shares for \$50.0 million.

Consolidated Investment Results

Net Investment Income.

Net investment income increased by 7.1% to \$581.2 million in 2018 compared with investment income of \$542.9 million in 2017. The increase was primarily due to higher income from our growing fixed maturity portfolio and an increase in limited partnership income, partially offset by lower dividend income from our equity portfolio.

Net investment income increased by 14.8% to \$542.9 million in 2017 compared with investment income of \$473.1 million in 2016. The increase was primarily due to an increase in limited partnership income and higher income from the growing fixed income portfolio, partially offset by lower dividend income from our equity portfolio.

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The following table shows the components of net investment income for the periods indicated.

| (Dollars in millions) | Years Ended December 31, | | |
|--|--------------------------|---------|---------|
| | 2018 | 2017 | 2016 |
| Fixed maturities | \$465.8 | \$427.4 | \$410.3 |
| Equity securities | 25.3 | 34.5 | 40.7 |
| Short-term investments and cash | 14.4 | 4.2 | 1.8 |
| Other invested assets | | | |
| Limited partnerships | 93.3 | 83.6 | 38.6 |
| Other | 17.0 | 10.1 | 2.9 |
| Gross investment income before adjustments | 615.8 | 559.8 | 494.3 |
| Funds held interest income (expense) | 6.3 | 11.9 | 7.9 |
| Future policy benefit reserve income (expense) | (1.4) | (1.3) | (1.6) |
| Gross investment income | 620.7 | 570.4 | 500.5 |
| Investment expenses | (39.5) | (27.5) | (27.4) |
| Net investment income | \$581.2 | \$542.9 | \$473.1 |

(Some amounts may not reconcile due to rounding.)

The following tables show a comparison of various investment yields for the periods indicated.

| | 2018 | 2017 | 2016 |
|---|------|------|------|
| Imbedded pre-tax yield of cash and invested assets at December 31 | 3.4% | 3.0% | 2.9% |
| Imbedded after-tax yield of cash and invested assets at December 31 | 3.0% | 2.8% | 2.4% |
| Annualized pre-tax yield on average cash and invested assets | 3.2% | 3.1% | 2.8% |
| Annualized after-tax yield on average cash and invested assets | 2.8% | 2.5% | 2.3% |

| | 2018 | 2017 | 2016 |
|---|-------|-------|-------|
| Fixed income portfolio total return | 1.3% | 2.5% | 3.1% |
| Barclay's Capital - U.S. aggregate index | 0.0% | 3.5% | 2.7% |
| Common equity portfolio total return | -5.2% | 14.6% | 8.4% |
| S&P 500 index | -4.4% | 21.8% | 12.0% |
| Other invested asset portfolio total return | 11.1% | 8.4% | 4.3% |

The pre-tax equivalent total return for the bond portfolio was approximately 2.9%, 4.3% and 5.0%, respectively, in 2018, 2017 and 2016. The pre-tax equivalent return adjusts the yield on tax-exempt bonds to the fully taxable equivalent.

Our fixed income and equity portfolios have different compositions than the benchmark indexes. Our fixed income portfolios have a shorter duration because we align our investment portfolio with our liabilities. We also hold foreign securities to match our foreign liabilities while the index is comprised of only U.S. securities. Our equity portfolios reflect an emphasis on dividend yield and growth equities, while the index is comprised of the largest 500 equities by market capitalization.

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Net Realized Capital Gains (Losses).

The following table presents the composition of our net realized capital gains (losses) for the periods indicated.

| (Dollars in millions) | Years Ended December 31, | | | 2018/2017 | 2017/2016 |
|---|--------------------------|----------|-----------|-------------|-----------|
| | 2018 | 2017 | 2016 | Variance | Variance |
| <u>Gains (losses) from sales:</u> | | | | | |
| Fixed maturity securities, market value: | | | | | |
| Gains | \$ 34.0 | \$ 58.6 | \$ 52.8 | \$ (24.6) | \$ 5.8 |
| Losses | (55.7) | (40.9) | (45.9) | (14.8) | 5.0 |
| Total | (21.7) | 17.7 | 6.9 | (39.4) | 10.8 |
| Fixed maturity securities, fair value: | | | | | |
| Gains | - | - | 0.3 | - | (0.3) |
| Losses | (1.8) | - | (1.9) | (1.8) | 1.9 |
| Total | (1.8) | - | (1.6) | (1.8) | 1.6 |
| Equity securities, market value: | | | | | |
| Gains | - | - | 1.4 | - | (1.4) |
| Losses | - | (3.4) | - | 3.4 | (3.4) |
| Total | - | (3.4) | 1.4 | 3.4 | (4.8) |
| Equity securities, fair value: | | | | | |
| Gains | 31.7 | 24.8 | 17.0 | 6.9 | 7.8 |
| Losses | (61.7) | (17.8) | (30.5) | (43.9) | 12.7 |
| Total | (30.0) | 7.0 | (13.4) | (37.0) | 20.4 |
| Other Invested Assets | | | | | |
| Gains | 1.8 | - | - | 1.8 | - |
| Losses | - | - | - | - | - |
| Total | 1.8 | - | - | 1.8 | - |
| Total net realized capital gains (losses) from sales: | | | | | |
| Gains | 67.5 | 83.4 | 71.6 | (15.9) | 11.8 |
| Losses | (119.2) | (62.1) | (78.3) | (57.1) | 16.2 |
| Total | (51.7) | 21.3 | (6.7) | (73.0) | 28.0 |
| <u>Loss on sale of subsidiary:</u> | | | | | |
| | - | - | (28.0) | - | 28.0 |
| <u>Other-than-temporary impairments:</u> | | | | | |
| | (8.1) | (7.1) | (31.6) | (1.0) | 24.5 |
| <u>Gains (losses) from fair value adjustments:</u> | | | | | |
| Fixed maturities, fair value | 1.5 | - | 1.4 | 1.5 | (1.4) |
| Equity securities, fair value | (68.8) | 139.0 | 57.7 | (207.8) | 81.3 |
| Total | (67.3) | 139.0 | 59.1 | (206.3) | 79.9 |
| Total net realized capital gains (losses) | \$ (127.1) | \$ 153.2 | \$ (7.2) | \$ (280.3) | \$ 160.4 |

(Some amounts may not reconcile due to rounding.)

Net realized capital losses were \$127.1 million in 2018, net realized capital gains were \$153.2 million in 2017 and net realized capital losses were \$7.2 million in 2016. In 2018, we recorded \$67.3 million of net losses from fair value re-measurements, \$51.7 million of net realized capital losses from sales of investments and \$8.1 million of other-than-temporary impairments. In 2017, we recorded \$139.0 million of net gains from fair value re-measurements and \$21.3 million of net realized capital gains from sales of investments, partially offset by \$7.1 million of other-than-temporary impairments. In 2016, we recorded \$31.6 million of other-than-temporary impairments, \$28.0 million of realized capital loss from the sale of our Heartland subsidiary and \$6.7 million of net realized capital losses from sales of investments, partially offset by \$59.1 million of net gains from fair value re-measurements. The fixed maturity and equity sales during these years related primarily to adjusting the portfolios for overall market changes and individual credit shifts.

Segment Results.

The U.S. Reinsurance operation writes property and casualty reinsurance and specialty lines of business, including Marine, Aviation, Surety and Accident and Health (“A&H”) business, on both a treaty and facultative basis, through reinsurance brokers, as well as directly with ceding companies primarily within the U.S. The International operation writes non-U.S. property and casualty reinsurance through Everest Re’s branches in Canada and Singapore and through offices in Brazil, Miami and New Jersey. The Bermuda operation provides reinsurance and insurance to worldwide property and casualty markets through brokers and directly with ceding companies from its Bermuda office and reinsurance to the United Kingdom and European markets through its UK branch and Ireland Re. The Insurance operation writes property and casualty insurance directly and through brokers, surplus lines brokers and general agents within the U.S., Canada and Europe.

These segments are managed independently, but conform with corporate guidelines with respect to pricing, risk management, control of aggregate catastrophe exposures, capital, investments and support operations. Management generally monitors and evaluates the financial performance of these operating segments based upon their underwriting results.

Underwriting results include earned premium less losses and loss adjustment expenses (“LAE”) incurred, commission and brokerage expenses and other underwriting expenses. We measure our underwriting results using ratios, in particular loss, commission and brokerage and other underwriting expense ratios, which, respectively, divide incurred losses, commissions and brokerage and other underwriting expenses by premiums earned.

For inter-affiliate reinsurance and business written through the Lloyd’s Syndicate, business is generally reported within the segment in which the business was first produced, consistent with how the business is managed.

The Company does not maintain separate balance sheet data for its operating segments. Accordingly, the Company does not review and evaluate the financial results of its operating segments based upon balance sheet data.

Our loss and LAE reserves are management’s best estimate of our ultimate liability for unpaid claims. We re-evaluate our estimates on an ongoing basis, including all prior period reserves, taking into consideration all available information and, in particular, recently reported loss claim experience and trends related to prior periods. Such re-evaluations are recorded in incurred losses in the period in which re-evaluation is made.

The following discusses the underwriting results for each of our segments for the periods indicated.

U.S. Reinsurance.

The following table presents the underwriting results and ratios for the U.S. Reinsurance segment for the periods indicated.

| (Dollars in millions) | Years Ended December 31, | | | 2018/2017 | | 2017/2016 | | | |
|----------------------------------|--------------------------|-----------|-----------|------------|----------|-------------------|----------|---|-------------------|
| | 2018 | 2017 | 2016 | Variance | % Change | Variance | % Change | | |
| Gross written premiums | \$3,014.3 | \$2,593.0 | \$2,125.8 | \$421.4 | 16.3 | % \$467.2 | 22.0 | % | |
| Net written premiums | 2,642.2 | 2,245.4 | 1,970.6 | 396.8 | 17.7 | % 274.8 | 13.9 | % | |
| Premiums earned | \$2,529.0 | \$2,181.2 | \$2,072.2 | \$347.8 | 15.9 | % \$109.0 | 5.3 | % | |
| Incurred losses and LAE | 2,784.2 | 1,632.8 | 1,068.5 | 1,151.4 | 70.5 | % 564.3 | 52.8 | % | |
| Commission and brokerage | 568.4 | 462.5 | 466.0 | 105.9 | 22.9 | % (3.5) | -0.7 | % | |
| Other underwriting expenses | 60.3 | 55.9 | 54.1 | 4.4 | 7.8 | % 1.8 | 3.3 | % | |
| Underwriting gain (loss) | \$(883.8) | \$30.0 | \$483.6 | \$(913.8) | NM | \$ (453.6) | -93.8 | % | |
| Loss ratio | 110.1 % | 74.9 % | 51.6 % | | | Point Chg 35.2 | | | Point Chg 23.3 |
| Commission and brokerage ratio | 22.5 % | 21.2 % | 22.5 % | | | 1.3 | | | (1.3) |
| Other underwriting expense ratio | 2.3 % | 2.5 % | 2.6 % | | | (0.2) | | | (0.1) |
| Combined ratio | 134.9 % | 98.6 % | 76.7 % | | | 36.3 | | | 21.9 |

(NM, not meaningful)

(Some amounts may not reconcile due to rounding.)

Premiums. Gross written premiums increased by 16.3% to \$3,014.3 million in 2018 from \$2,593.0 million in 2017, primarily due to increases in treaty property and treaty casualty writings and growth in the mortgage business. Net written premiums increased by 17.7% to \$2,642.2 million in 2018 compared to \$2,245.4 million in 2017, which is consistent with the change in gross written premiums. Premiums earned increased by 15.9% to \$2,529.0 million in 2018, compared to \$2,181.2 million in 2017. The change in premiums earned relative to net written premiums is primarily the result of timing; premiums are earned ratably over the coverage period whereas written premiums are recorded at the initiation of the coverage period.

Gross written premiums increased by 22.0% to \$2,593.0 million in 2017 from \$2,125.8 million in 2016, primarily due to an increase in the new crop reinsurance business, an increase in treaty property business and the influx of reinstatement premiums due to the catastrophe losses and an increase in mortgage business. Net written premiums increased by 13.9% to \$2,245.4 million in 2017 compared to \$1,970.6 million in 2016. The difference between the change in gross written premiums compared to the change in net written premiums is primarily due to varying utilization of reinsurance. Premiums earned increased by 5.3% to \$2,181.2 million in 2017, compared to \$2,072.2 million in 2016. The change in premiums earned relative to net written premiums is primarily the result of changes in the mix of business and timing; premiums are earned ratably over the coverage period whereas written premiums are recorded at the initiation of the coverage period.

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Incurred Losses and LAE. The following table presents the incurred losses and LAE for the U.S. Reinsurance segment for the periods indicated.

| (Dollars in millions) | Years Ended December 31, | | | | | |
|---------------------------|--------------------------|-----------------------|-------------|-----------------------|----------------|-----------------------|
| | Current Year | Ratio %/ Pt Change | Prior Years | Ratio %/ Pt Change | Total Incurred | Ratio %/ Pt Change |
| <u>2018</u> | | | | | | |
| Attritional | \$ 1,383.1 | 54.7% | \$(70.8) | -2.8 % | \$1,312.4 | 51.9 % |
| Catastrophes | 952.2 | 37.7% | 519.6 | 20.5 % | 1,471.8 | 58.2 % |
| Total segment | \$ 2,335.3 | 92.4% | \$448.9 | 17.7% | \$2,784.2 | 110.1% |
| <u>2017</u> | | | | | | |
| Attritional | \$ 1,103.7 | 50.6% | \$(165.5) | -7.5 % | \$938.3 | 43.1 % |
| Catastrophes | 715.7 | 32.8% | (21.2) | -1.0 % | 694.5 | 31.8 % |
| Total segment | \$ 1,819.4 | 83.4% | \$(186.6) | -8.5 % | \$1,632.8 | 74.9 % |
| <u>2016</u> | | | | | | |
| Attritional | \$ 1,096.0 | 52.9% | \$(126.4) | -6.1 % | \$969.7 | 46.8 % |
| Catastrophes | 134.1 | 6.5 % | (35.3) | -1.7 % | 98.8 | 4.8 % |
| Total segment | \$ 1,230.1 | 59.4% | \$(161.6) | -7.8 % | \$1,068.5 | 51.6 % |
| <u>Variance 2018/2017</u> | | | | | | |
| Attritional | \$ 279.4 | 4.1 pts | \$94.7 | 4.7 pts | \$374.1 | 8.8 pts |
| Catastrophes | 236.5 | 4.9 pts | 540.8 | 21.5 pts | 777.3 | 26.4 pts |
| Total segment | \$ 515.9 | 9.0 pts | \$635.5 | 26.2 pts | \$1,151.4 | 35.2 pts |
| <u>Variance 2017/2016</u> | | | | | | |
| Attritional | \$ 7.7 | (2.3) pts | \$(39.1) | (1.4) pts | \$(31.4) | (3.7) pts |
| Catastrophes | 581.6 | 26.3 pts | 14.1 | 0.7 pts | 595.7 | 27.0 pts |
| Total segment | \$ 589.3 | 24.0 pts | \$(25.1) | (0.7) pts | \$564.3 | 23.3 pts |

(Some amounts may not reconcile due to rounding.)

Incurred losses increased by 70.5% to \$2,784.2 million in 2018, compared to \$1,632.8 million in 2017. The increase was primarily due to \$519.6 million of unfavorable development on prior years catastrophe losses in 2018, primarily related to Hurricanes Harvey, Irma and Maria and the 2017 California wildfires, an increase of \$279.4 million in current year attritional losses, mainly due to the impact of the increase in premiums earned and changes in the mix of business, and an increase of \$236.5 million in current year catastrophe losses. The increase in loss estimates for Hurricanes Harvey, Irma and Maria was mostly driven by re-opened claims reported in the second quarter of 2018 and loss inflation from higher than expected loss adjustment expenses and in particular, their impact on aggregate covers. The current year catastrophe losses of \$952.2 million in 2018 related primarily to Hurricane Michael (\$416.5 million), Camp wildfire (\$297.0 million), Woolsey wildfire (\$151.0 million), Hurricane Florence (\$49.3 million), other 2018 California wildfires (\$23.1 million), Typhoon Jebi (\$6.5 million), Japan floods (\$5.5 million), Typhoon Trami (\$2.0 million) and the U.S. winter storms (\$1.3 million). The \$715.7 million of current year catastrophe losses in 2017 related to Hurricane Irma (\$331.8 million), Hurricane Harvey (\$204.3 million), the Northern California wildfires (\$132.9 million), Hurricane Maria (\$31.2 million), the Southern California wildfires (\$9.6 million), and the 2017 US Midwest storms (\$6.9 million).

Incurring losses increased by 52.8% to \$1,632.8 million in 2017, compared to \$1,068.5 million in 2016, primarily due to an increase of \$581.6 million in current year catastrophe losses, partially offset by \$39.1 million of more favorable development on prior years attritional losses in 2017 compared to 2016. The \$165.5 million of favorable development on prior years attritional losses in 2017 was mainly related to property and short tail business. The \$715.7 million of current year catastrophe losses in 2017 are outlined above. The \$134.1 million of current year catastrophe losses in 2016 related to Hurricane Matthew (\$86.2 million), the 2016 U.S. storms (\$20.4 million), 2016 Tennessee wildfire (\$14.7 million) and Hurricane Hermine (\$13.5 million).

Segment Expenses. Commission and brokerage expense increased by 22.9% to \$568.4 million in 2018 compared to \$462.5 million in 2017. The increases are mainly due to the impact of the increases in premiums earned and changes in the mix of business towards additional pro rata business. Segment other underwriting expenses increased to \$60.3 million in 2018 from \$55.9 million in 2017. The increases were mainly due to the impact of the increase in premiums earned.

Commission and brokerage expenses decreased by 0.7% to \$462.5 million in 2017 compared to \$466.0 million in 2016. The decrease is mainly due to the impact of the new crop reinsurance contract which generally has a lower expense ratio and other changes in the mix of business. Segment other underwriting expenses increased slightly to \$55.9 million in 2017 from \$54.1 million in 2016.

International.

The following table presents the underwriting results and ratios for the International segment for the periods indicated.

| (Dollars in millions) | Years Ended December 31, 2018/2017 | | | | | 2017/2016 | | | | |
|----------------------------------|------------------------------------|-----------|-----------|-----------|----------|-----------|-------------|--------|---|-------|
| | 2018 | 2017 | 2016 | Variance | % Change | Variance | % Change | | | |
| Gross written premiums | | \$1,543.9 | \$1,316.7 | \$1,230.7 | \$227.2 | 17.3 | % \$86.0 | 7.0 | % | |
| Net written premiums | | 1,458.7 | 1,229.6 | 1,082.7 | 229.1 | 18.6 | % 146.9 | 13.6 | % | |
| Premiums earned | | \$1,439.9 | \$1,202.0 | \$1,119.1 | \$237.8 | 19.8 | % \$82.9 | 7.4 | % | |
| Incurred losses and LAE | | 992.7 | 1,059.6 | 486.6 | (66.9) | -6.3 | % 573.1 | 117.8 | % | |
| Commission and brokerage | | 364.0 | 287.7 | 283.4 | 76.3 | 26.5 | % 4.2 | 1.5 | % | |
| Other underwriting expenses | | 39.0 | 38.8 | 35.5 | 0.2 | 0.5 | % 3.3 | 9.4 | % | |
| Underwriting gain (loss) | | \$44.1 | \$(184.1) | \$313.6 | \$228.3 | -124.0 | % \$(497.7) | -158.7 | % | |
| | | | | | | | | Point | | Point |
| | | | | | | | | Chg | | Chg |
| Loss ratio | | 68.9 | % 88.2 | % 43.5 | % | (19.3) |) | 44.7 | | |
| Commission and brokerage ratio | | 25.3 | % 23.9 | % 25.3 | % | 1.4 | | (1.4) |) | |
| Other underwriting expense ratio | | 2.7 | % 3.2 | % 3.2 | % | (0.5) |) | - | | |
| Combined ratio | | 96.9 | % 115.3 | % 72.0 | % | (18.4) |) | 43.3 | | |

(Some amounts may not reconcile due to rounding.)

Premiums. Gross written premiums increased by 17.3% to \$1,543.9 million in 2018 compared to \$1,316.7 million in 2017, primarily due to the increases in Latin American business and business written through our Canada and Singapore branches, partially offset by a negative impact of \$20.6 million from the movement of foreign exchange rates. Net written premiums increased by 18.6% to \$1,458.7 million in 2018 compared to \$1,229.6 million in 2017. The change is consistent with the change in gross written premiums. Premiums earned increased 19.8% to \$1,439.9 million in 2018 compared to \$1,202.0 million in 2017. The change in premiums earned relative to net written premiums is primarily the result of timing; premiums are earned ratably over the coverage period whereas written premiums are recorded at the initiation of the coverage period.

Gross written premiums increased by 7.0% to \$1,316.7 million in 2017 compared to \$1,230.7 million in 2016, primarily due to the increases in Middle East and Asian business and a positive impact of \$22.0 million from the movement of foreign exchange rates, partially offset by a decline in Latin American business. Net written premiums increased by 13.6% to \$1,229.6 million in 2017 compared to \$1,082.7 million in 2016. The difference between the change in gross written premiums compared to the change in net written premiums is primarily due to varying

utilization of reinsurance related to the quota share contracts. Premiums earned increased 7.4% to \$1,202.0 million in 2017 compared to \$1,119.1 million in 2016. The change in premiums earned relative to net written premiums is primarily the result of timing; premiums are earned ratably over the coverage period whereas written premiums are recorded at the initiation of the coverage period.

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Incurred Losses and LAE. The following table presents the incurred losses and LAE for the International segment for the periods indicated.

| (Dollars in millions) | Years Ended December 31, | | | | | |
|---------------------------|--------------------------|-----------------------|-------------|-----------------------|----------------|-----------------------|
| | Current Year | Ratio %/ Pt Change | Prior Years | Ratio %/ Pt Change | Total Incurred | Ratio %/ Pt Change |
| <u>2018</u> | | | | | | |
| Attritional | \$ 760.2 | 52.7 % | \$(27.4) | -1.9 % | \$732.8 | 50.8 % |
| Catastrophes | 165.3 | 11.5 % | 94.7 | 6.6 % | 260.0 | 18.1 % |
| Total segment | \$ 925.5 | 64.2 % | \$67.2 | 4.7 % | \$992.7 | 68.9 % |
| <u>2017</u> | | | | | | |
| Attritional | \$ 605.3 | 50.4 % | \$0.2 | 0.0 % | \$605.6 | 50.4 % |
| Catastrophes | 456.3 | 38.0 % | (2.3) | -0.2 % | 454.0 | 37.8 % |
| Total segment | \$ 1,061.6 | 88.4 % | \$(2.1) | -0.2 % | \$1,059.6 | 88.2 % |
| <u>2016</u> | | | | | | |
| Attritional | \$ 576.2 | 51.5 % | \$(224.8) | -20.1 % | \$351.4 | 31.4 % |
| Catastrophes | 178.8 | 16.0 % | (43.7) | -3.9 % | 135.2 | 12.1 % |
| Total segment | \$ 755.0 | 67.5 % | \$(268.5) | -24.0 % | \$486.6 | 43.5 % |
| <u>Variance 2018/2017</u> | | | | | | |
| Attritional | \$ 154.9 | 2.3 pts | \$(27.6) | (1.9) pts | \$127.2 | 0.4 pts |
| Catastrophes | (291.0) | (26.5) pts | 97.0 | 6.8 pts | (194.1) | (19.7) pts |
| Total segment | \$ (136.1) | (24.2) pts | \$69.3 | 4.9 pts | \$(66.9) | (19.3) pts |
| <u>Variance 2017/2016</u> | | | | | | |
| Attritional | \$ 29.1 | (1.1) pts | \$225.0 | 20.1 pts | \$254.2 | 19.0 pts |
| Catastrophes | 277.5 | 22.0 pts | 41.4 | 3.7 pts | 318.8 | 25.7 pts |
| Total segment | \$ 306.6 | 20.9 pts | \$266.4 | 23.8 pts | \$573.1 | 44.7 pts |

(Some amounts may not reconcile due to rounding.)

Incurred losses and LAE decreased by 6.3% to \$992.7 million in 2018 compared to \$1,059.6 million in 2017, primarily due to a decrease of \$291.0 million on current year catastrophe losses and \$27.4 million of favorable development on prior years attritional losses. These decreases were partially offset by an increase of \$154.9 million on current year attritional losses, primarily due to the impact of the increase in premiums earned, and \$94.7 million of unfavorable development on prior years catastrophe losses, mainly related to Hurricanes Harvey, Irma and Maria as well as the 2017 Mexico earthquake. The current year catastrophe losses of \$165.3 million in 2018 related primarily to Typhoon Jebi (\$60.1 million), Cyclone Mekunu (\$43.7 million), Australia hailstorm (\$24.0 million), Typhoon Trami (\$23.0 million), Japan floods (\$9.5 million), Hurricane Michael (\$3.0 million) and Hurricane Florence (\$2.0 million). The \$456.3 million of current year catastrophe losses in 2017 related to Hurricane Maria (\$263.2 million), Hurricane Irma (\$107.6 million), the Mexico City earthquake (\$25.6 million), the South Africa Knysna fires (\$24.0 million), Cyclone Debbie in Australia (\$17.1 million), the Peru storms (\$15.2 million) and Hurricane Harvey (\$3.7 million).

Incurred losses and LAE increased by 117.8% to \$1,059.6 million in 2017 compared to \$486.6 million in 2016, primarily due to an increase of \$277.5 million in current year catastrophe losses, favorable development of \$224.8 million on prior years attritional losses in 2016 mainly related to property business which did not recur in 2017 and

favorable development of \$43.7 million on prior years catastrophe losses in 2016 which did not recur in 2017. The \$456.3 million of current year catastrophe losses in 2017 are outlined above. The \$178.8 million of current year catastrophe losses in 2016 were due to the Fort McMurray Canada wildfire (\$97.5 million), Hurricane Matthew (\$27.4 million), the Ecuador earthquake (\$23.6 million), the 2016 Taiwan earthquake (\$15.2 million) and the New Zealand earthquake (\$14.0 million).

Segment Expenses. Commission and brokerage increased by 26.5% to \$364.0 million in 2018 compared to \$287.7 million in 2017. These increases are mainly due to the impact of the increases in premiums earned and changes in the mix of business. Segment other underwriting expenses increased slightly to \$39.0 million in 2018 compared to \$38.8 million in 2017.

Commission and brokerage increased by 1.5% to \$287.7 million in 2017 compared to \$283.4 million in 2016. Segment other underwriting expenses increased to \$38.8 million in 2017 compared to \$35.5 million in 2016. The increases were mainly due to the impact of the increase in premiums earned.

Bermuda.

The following table presents the underwriting results and ratios for the Bermuda segment for the periods indicated.

| (Dollars in millions) | Years Ended December 31, 2018/2017 | | | | | 2017/2016 | | | | |
|----------------------------------|------------------------------------|------|-----------|-----------|----------|-----------|----------|----------|--------|---|
| | 2018 | 2017 | 2016 | Variance | % Change | Variance | % Change | | | |
| Gross written premiums | | | \$1,666.3 | \$1,205.0 | \$890.4 | \$461.3 | 38.3 % | \$314.6 | 35.3 | % |
| Net written premiums | | | 1,605.5 | 1,139.1 | 831.9 | 466.4 | 40.9 % | 307.2 | 36.9 | % |
| Premiums earned | | | \$1,324.2 | \$1,093.3 | \$838.0 | \$230.9 | 21.1 % | \$255.3 | 30.5 | % |
| Incurred losses and LAE | | | 808.7 | 735.3 | 461.9 | 73.4 | 10.0 % | 273.4 | 59.2 | % |
| Commission and brokerage | | | 319.2 | 303.7 | 234.0 | 15.5 | 5.1 % | 69.7 | 29.8 | % |
| Other underwriting expenses | | | 43.6 | 38.0 | 36.3 | 5.6 | 14.6 % | 1.7 | 4.6 | % |
| Underwriting gain (loss) | | | \$152.7 | \$16.2 | \$105.7 | \$136.5 | NM | \$(89.5) | -84.6 | % |
| | | | | | | | Point | | Point | |
| | | | | | | | Chg | | Chg | |
| Loss ratio | | | 61.1 % | 67.3 % | 55.1 % | | (6.2) | | 12.2 | |
| Commission and brokerage ratio | | | 24.1 % | 27.8 % | 27.9 % | | (3.7) | | (0.1) | |
| Other underwriting expense ratio | | | 3.3 % | 3.4 % | 4.4 % | | (0.1) | | (1.0) | |
| Combined ratio | | | 88.5 % | 98.5 % | 87.4 % | | (10.0) | | 11.1 | |

(Some amounts may not reconcile due to rounding.)

Premiums. Gross written premiums increased by 38.3% to \$1,666.3 million in 2018 compared to \$1,205.0 million in 2017, primarily due to increased casualty and motor business written through the U.K. Branch and Ireland office, an increase in Bermuda property business and a positive impact of \$15.8 million from the movement of foreign exchange rates. Net written premiums increased by 40.9% to \$1,605.5 million in 2018 compared to \$1,139.1 million in 2017, which is consistent with the change in gross written premiums. Premiums earned increased 21.1% to \$1,324.2 million in 2018 compared to \$1,093.3 million in 2017. The change in premiums earned relative to net written premiums is the result of timing; premiums are earned ratably over the coverage period whereas written premiums are recorded at the initiation of the coverage period.

Gross written premiums increased by 35.3% to \$1,205.0 million in 2017 compared to \$890.4 million in 2016, primarily due to increased casualty and financial lines of business written through the Bermuda office and increased production from the U.K. and Ireland offices, partially offset by a negative impact of \$6.5 million from the movement of foreign exchange rates. Net written premiums increased by 36.9% to \$1,139.1 million in 2017 compared to \$831.9 million in 2016, which is consistent with the change in gross written premiums. Premiums earned increased 30.5% to \$1,093.3 million in 2017 compared to \$838.0 million in 2016. The change in premiums earned relative to net written premiums is the result of timing; premiums are earned ratably over the coverage period whereas written premiums are recorded at the initiation of the coverage period.

Incurred Losses and LAE. The following table presents the incurred losses and LAE for the Bermuda segment for the periods indicated.

| (Dollars in millions) | Years Ended December 31, | | | | | |
|---------------------------|--------------------------|-----------------------|----------------|-----------------------|-------------------|-----------------------|
| | Current Year | Ratio %/ Pt Change | Prior Years | Ratio %/ Pt Change | Total Incurred | Ratio %/ Pt Change |
| <u>2018</u> | | | | | | |
| Attritional | \$ 797.3 | 60.3 % | \$(23.7) | -1.8 % | \$ 773.6 | 58.5 % |
| Catastrophes | 78.4 | 5.9 % | (43.3) | -3.3 % | 35.1 | 2.6 % |
| Total segment | \$ 875.7 | 66.2 % | \$(66.9) | -5.1 % | \$ 808.7 | 61.1 % |
| <u>2017</u> | | | | | | |
| Attritional | \$ 625.1 | 57.2 % | \$(41.8) | -3.8 % | \$ 583.3 | 53.4 % |
| Catastrophes | 159.9 | 14.6 % | (7.9) | -0.7 % | 152.0 | 13.9 % |
| Total segment | \$ 785.0 | 71.8 % | \$(49.7) | -4.5 % | \$ 735.3 | 67.3 % |
| <u>2016</u> | | | | | | |
| Attritional | \$ 475.1 | 56.7 % | \$(31.2) | -3.7 % | \$ 443.8 | 53.0 % |
| Catastrophes | 25.5 | 3.0 % | (7.5) | -0.9 % | 18.1 | 2.1 % |
| Total segment | \$ 500.6 | 59.7 % | \$(38.7) | -4.6 % | \$ 461.9 | 55.1 % |
| <u>Variance 2018/2017</u> | | | | | | |
| Attritional | \$ 172.2 | 3.1 pts | \$18.1 | 2.0 pts | \$ 190.3 | 5.1 pts |
| Catastrophes | (81.5) | (8.7) pts | (35.4) | (2.6) pts | (116.9) | (11.3) pts |
| Total segment | \$ 90.7 | (5.6) pts | \$(17.2) | (0.6) pts | \$ 73.4 | (6.2) pts |
| <u>Variance 2017/2016</u> | | | | | | |
| Attritional | \$ 150.0 | 0.5 pts | \$(10.6) | (0.1) pts | \$ 139.5 | 0.4 pts |
| Catastrophes | 134.4 | 11.6 pts | (0.4) | 0.2 pts | 133.9 | 11.8 pts |
| Total segment | \$ 284.4 | 12.1 pts | \$(11.0) | 0.1 pts | \$ 273.4 | 12.2 pts |

(Some amounts may not reconcile due to rounding.)

Incurred losses and LAE increased by 10.0% to \$808.7 million in 2018 compared to \$735.3 million in 2017, primarily due to an increase of \$172.2 million of current year attritional losses, related primarily to the impact of the increase in premiums earned, partially offset by a decrease of \$81.5 million in current year catastrophe losses and \$43.3 million of favorable development on prior years catastrophe losses mainly related to Hurricanes Irma and Maria. The current year catastrophe losses of \$78.4 million in 2018 related primarily to Camp wildfire (\$25.0 million), Hurricane Michael (\$18.5 million), Typhoon Jebi (\$13.4 million), Hurricane Florence (\$13.0 million), Japan floods (\$5.4 million) and Woolsey wildfire (\$3.0 million). The \$159.9 million of current year catastrophe losses in 2017 primarily related to Hurricane Maria (\$53.4 million), Hurricane Irma (\$43.6 million), Hurricane Harvey (\$40.7 million), the Northern California wildfires (\$14.0 million), the Mexico City earthquake (\$4.9 million) and Cyclone Debbie in Australia (\$3.3 million).

Incurred losses and LAE increased by 59.2% to \$735.3 million in 2017 compared to \$461.9 million in 2016, primarily due to an increase of \$150.0 million in current year attritional losses related primarily to the impact of the increase in premiums earned and an increase of \$134.4 million in current year catastrophe losses. The \$159.9 million of current year catastrophe losses in 2017 are outlined above. The \$25.5 million of current year catastrophe losses in 2016 were

due to Hurricane Matthew (\$10.3 million), the Fort McMurray Canada wildfire (\$10.0 million) and the 2016 New Zealand earthquake (\$5.0 million).

Segment Expenses. Commission and brokerage increased by 5.1% to \$319.2 million in 2018 compared to \$303.7 million in 2017 mainly due to the impact of the increase in premiums earned, partially offset by lower contingent commissions. Segment other underwriting expenses increased to \$43.6 million in 2018 compared to \$38.0 million in 2017. The increases are mainly due to the impact of the increases in premiums earned.

Commission and brokerage increased by 29.8% to \$303.7 million in 2017 compared to \$234.0 million in 2016. The increase was mainly due to the impact of the increase in premiums earned and higher contingent commissions. Segment other underwriting expenses increased slightly to \$38.0 million in 2017 compared to \$36.3 million in 2016.

Insurance.

The following table presents the underwriting results and ratios for the Insurance segment for the periods indicated.

| (Dollars in millions) | Years Ended December 31, 2018/2017 | | | | | 2017/2016 | | | | |
|----------------------------------|------------------------------------|-----------|-----------|-----------|----------|-----------|----------|---|-------|-------|
| | 2018 | 2017 | 2016 | Variance | % Change | Variance | % Change | | | |
| Gross written premiums | | \$2,250.6 | \$2,059.2 | \$1,787.0 | 9.3 | \$272.2 | 15.2 | % | | |
| Net written premiums | | 1,708.0 | 1,630.6 | 1,385.7 | 4.7 | 244.9 | 17.7 | % | | |
| Premiums earned | | \$1,638.6 | \$1,461.4 | \$1,291.2 | 12.1 | \$170.2 | 13.2 | % | | |
| Incurred losses and LAE | | 1,065.8 | 1,094.9 | 1,122.7 | (2.7) | (27.8) | (2.5) | % | | |
| Commission and brokerage | | 267.4 | 250.1 | 205.3 | 7.0 | 44.8 | 21.8 | % | | |
| Other underwriting expenses | | 228.7 | 186.1 | 176.8 | 22.9 | 9.3 | 5.3 | % | | |
| Underwriting gain (loss) | | \$76.7 | \$(69.6) | \$(213.5) | | \$143.9 | (67.4) | % | | |
| | | | | | | | | | Point | Point |
| | | | | | | | | | Chg | Chg |
| Loss ratio | | 65.0 | 74.9 | 86.9 | (9.9) | (12.0) | | | | |
| Commission and brokerage ratio | | 16.3 | 17.1 | 15.9 | (0.8) | 1.2 | | | | |
| Other underwriting expense ratio | | 14.0 | 12.8 | 13.7 | 1.2 | (0.9) | | | | |
| Combined ratio | | 95.3 | 104.8 | 116.5 | (9.5) | (11.7) | | | | |

(Some amounts may not reconcile due to rounding.)

Premiums. Gross written premiums increased by 9.3% to \$2,250.6 million in 2018 compared to \$2,059.2 million in 2017. This increase was related to most lines of business including casualty, energy, accident and health and premiums written through the Lloyd's Syndicate. Net written premiums increased by 4.7% to \$1,708.0 million in 2018 compared to \$1,630.6 million in 2017. The difference between the change in gross written premiums compared to the change in net written premiums was primarily due to varying utilization of reinsurance. Premiums earned increased 12.1% to \$1,638.6 million in 2018 compared to \$1,461.4 million in 2017. The change in premiums earned relative to net written premiums is the result of timing; premiums are earned ratably over the coverage period whereas written premiums are recorded at the initiation of the coverage period.

Gross written premiums increased by 15.2% to \$2,059.2 million in 2017 compared to \$1,787.0 million in 2016. Excluding the impact of the sale of Heartland, which accounted for \$230.4 million of gross written premiums in 2016, gross written premiums increased \$502.1 million. This increase was driven by expansion of various insurance lines of business including retail casualty, retail property, accident and health and premiums written through the Lloyd's Syndicate. Net written premiums increased by 17.7% to \$1,630.6 million in 2017 compared to \$1,385.7 million in 2016 which is consistent with the change in gross written premiums. Premiums earned increased 13.2% to \$1,461.4 million in 2017 compared to \$1,291.2 million in 2016. The change in premiums earned relative to net written premiums is the result of timing; premiums are earned ratably over the coverage period whereas written premiums are recorded at the initiation of the coverage period, as well as changes in the mix of business.

Incurred Losses and LAE. The following table presents the incurred losses and LAE for the Insurance segment for the periods indicated.

| (Dollars in millions) | Years Ended December 31, | | | | | |
|---------------------------|--------------------------|-----------------------|----------------|-----------------------|-------------------|-----------------------|
| | Current Year | Ratio %/ Pt Change | Prior Years | Ratio %/ Pt Change | Total Incurred | Ratio %/ Pt Change |
| <u>2018</u> | | | | | | |
| Attritional | \$ 1,084.8 | 66.2 % | \$(52.2) | -3.2 % | \$1,032.6 | 63.0 % |
| Catastrophes | 43.1 | 2.6 % | (9.9) | -0.6 % | 33.2 | 2.0 % |
| Total segment | \$ 1,127.9 | 68.8 % | \$(62.1) | -3.8 % | \$1,065.8 | 65.0 % |
| <u>2017</u> | | | | | | |
| Attritional | \$ 979.3 | 67.0 % | \$(56.4) | -3.9 % | \$922.9 | 63.1 % |
| Catastrophes | 170.6 | 11.7 % | 1.4 | 0.1 % | 172.0 | 11.8 % |
| Total segment | \$ 1,149.9 | 78.7 % | \$(55.0) | -3.8 % | \$1,094.9 | 74.9 % |
| <u>2016</u> | | | | | | |
| Attritional | \$ 899.9 | 69.7 % | \$173.6 | 13.4 % | \$1,073.5 | 83.1 % |
| Catastrophes | 49.4 | 3.8 % | (0.2) | 0.0 % | 49.2 | 3.8 % |
| Total segment | \$ 949.3 | 73.5 % | \$173.4 | 13.4 % | \$1,122.7 | 86.9 % |
| <u>Variance 2018/2017</u> | | | | | | |
| Attritional | \$ 105.5 | (0.8) pts | \$4.2 | 0.7 pts | \$109.7 | (0.1) pts |
| Catastrophes | (127.5) | (9.1) pts | (11.3) | (0.7) pts | (138.8) | (9.8) pts |
| Total segment | \$ (22.0) | (9.9) pts | \$(7.1) | - pts | \$(29.1) | (9.9) pts |
| <u>Variance 2017/2016</u> | | | | | | |
| Attritional | \$ 79.4 | (2.7) pts | \$(230.0) | (17.3) pts | \$(150.6) | (20.0) pts |
| Catastrophes | 121.2 | 7.9 pts | 1.6 | 0.1 pts | 122.8 | 8.0 pts |
| Total segment | \$ 200.6 | 5.2 pts | \$(228.4) | (17.2) pts | \$(27.8) | (12.0) pts |

(Some amounts may not reconcile due to rounding.)

Incurred losses and LAE decreased by 2.7% to \$1,065.8 million in 2018 compared to \$1,094.9 million in 2017, mainly due to a decrease of \$127.5 million in current year catastrophe losses, partially offset by an increase in current year attritional losses of \$105.5 million, due mainly to the impact of the increase in premiums earned. The current year catastrophe losses of \$43.1 million in 2018 related primarily to Hurricane Michael (\$24.0 million), Hurricane Florence (\$9.5 million), the U.S. winter storms (\$7.1 million), other 2018 California wildfires (\$1.5 million) and Australia hailstorm (\$1.0 million). The \$170.6 million of current year catastrophe losses in 2017 were due to Hurricane Irma (\$75.1 million), Hurricane Harvey (\$68.0 million), Hurricane Maria (\$14.0 million), the 2017 US Midwest storms (\$6.0 million), the Northern California wildfires (\$3.0 million), the Southern California wildfires (\$2.0 million), the Mexico City earthquake (\$1.4 million) and Cyclone Debbie in Australia (\$1.1 million).

Incurred losses and LAE decreased by 2.5% to \$1,094.9 million in 2017 compared to \$1,122.7 million in 2016, mainly due to \$230.0 million of more favorable development on prior years attritional losses in 2017 compared to 2016, partially offset by an increase of \$121.2 million in current year catastrophe losses and an increase of \$79.4 million in current year attritional losses, primarily related to the increase in premiums earned. The \$56.4 million of favorable development on prior years attritional losses in 2017 mainly related to workers compensation business. The \$170.6 million of current year catastrophe losses in 2017 are outlined above. The \$49.4 million of current year

catastrophe losses in 2016 were due to the 2016 U.S. storms (\$30.0 million), Hurricane Matthew (\$11.0 million) and the Fort McMurray Canada wildfire (\$8.4 million).

Segment Expenses. Commission and brokerage increased by 7.0% to \$267.4 million in 2018 compared to \$250.1 million in 2017. The increase in 2018 was mainly due to the impact of the increase in premiums earned. Segment other underwriting expenses increased to \$228.7 million in 2018 compared to \$186.1 million in 2017. The increase was mainly due to the impact of the increase in premiums earned and increased expenses related to the continued build out of the insurance business.

Commission and brokerage increased by 21.8% to \$250.1 million in 2017 compared to \$205.3 million in 2016. The increase was mainly due to the impact of the increase in premiums earned and changes in the mix of business. Segment other underwriting expenses increased to \$186.1 million in 2017 compared to \$176.8 million in 2016. The increase was mainly due to the impact of the increase in premiums earned and increased expenses related to the continued build out of the insurance business.

Critical Accounting Policies

The following is a summary of the critical accounting policies related to accounting estimates that (1) require management to make assumptions about highly uncertain matters and (2) could materially impact the consolidated financial statements if management made different assumptions.

Loss and LAE Reserves. Our most critical accounting policy is the determination of our loss and LAE reserves. We maintain reserves equal to our estimated ultimate liability for losses and LAE for reported and unreported claims for our insurance and reinsurance businesses. Because reserves are based on estimates of ultimate losses and LAE by underwriting or accident year, we use a variety of statistical and actuarial techniques to monitor reserve adequacy over time, evaluate new information as it becomes known and adjust reserves whenever an adjustment appears warranted. We consider many factors when setting reserves including: (1) our exposure base and projected ultimate premiums earned; (2) our expected loss ratios by product and class of business, which are developed collaboratively by underwriters and actuaries; (3) actuarial methodologies which analyze our loss reporting and payment experience, reports from ceding companies and historical trends, such as reserving patterns, loss payments and product mix; (4) current legal interpretations of coverage and liability; (5) economic conditions; and (6) uncertainties discussed below regarding our liability for A&E claims. Our insurance and reinsurance loss and LAE reserves represent management's best estimate of our ultimate liability. Actual losses and LAE ultimately paid may deviate, perhaps substantially, from such reserves. Our net income (loss) will be impacted in a period in which the change in estimated ultimate losses and LAE is recorded. See also ITEM 8, "Financial Statements and Supplementary Data" - Note 1 of Notes to the Consolidated Financial Statements.

It is more difficult to accurately estimate loss reserves for reinsurance liabilities than for insurance liabilities. At December 31, 2018, we had reinsurance reserves of \$9,940.0 million and insurance loss reserves of \$3,179.0 million, of which \$272.3 million and \$75.2 million, respectively, were loss reserves for A&E liabilities. A detailed discussion of additional considerations related to A&E exposures follows later in this section.

The detailed data required to evaluate ultimate losses for our insurance business is accumulated from our underwriting and claim systems. Reserving for reinsurance requires evaluation of loss information received from ceding companies. Ceding companies report losses to us in many forms dependent on the type of contract and the agreed or contractual reporting requirements. Generally, proportional/quota share contracts require the submission of a monthly/quarterly account, which includes premium and loss activity for the period with corresponding reserves as established by the ceding company. This information is recorded into our records. For certain proportional contracts, we may require a detailed loss report for claims that exceed a certain dollar threshold or relate to a particular type of loss. Excess of loss and facultative contracts generally require individual loss reporting with precautionary notices provided when a loss reaches a significant percentage of the attachment point of the contract or when certain causes of loss or types of injury occur. Our experienced claims staff handles individual loss reports and supporting claim information. Based on our evaluation of a claim, we may establish additional case reserves (ACRs) in addition to the case reserves reported by the ceding company. To ensure ceding companies are submitting required and accurate data, the Underwriting, Claim, Reinsurance Accounting and Internal Audit departments of the Company perform various reviews of our ceding companies, particularly larger ceding companies, including on-site audits.

We sort both our reinsurance and insurance reserves into exposure groupings for actuarial analysis. We assign our business to exposure groupings so that the underlying exposures have reasonably homogeneous loss development

characteristics and are large enough to facilitate credible estimation of ultimate losses. We periodically review our exposure groupings and we may change our groupings over time as our business changes. We currently use over 200 exposure groupings to develop our reserve estimates. One of the key selection characteristics for the exposure groupings is the historical duration of the claims settlement

process. Business in which claims are reported and settled relatively quickly are commonly referred to as short tail lines, principally property lines. On the other hand, casualty claims tend to take longer to be reported and settled and casualty lines are generally referred to as long tail lines. Our estimates of ultimate losses for shorter tail lines, with the exception of loss estimates for large catastrophic events, generally exhibit less volatility than those for the longer tail lines.

We use similar actuarial methodologies, such as expected loss ratio, chain ladder reserving methods and Borhuetter Ferguson, supplemented by judgment where appropriate, to estimate our ultimate losses and LAE for each exposure group. Although we use similar actuarial methodologies for both short tail and long tail lines, the faster reporting of experience for the short tail lines allows us to have greater confidence in our estimates of ultimate losses for short tail lines at an earlier stage than for long tail lines. As a result, we utilize, as well, exposure-based methods to estimate our ultimate losses for longer tail lines, especially for immature accident years. For both short and long tail lines, we supplement these general approaches with analytically based judgments. We cannot estimate losses from widespread catastrophic events, such as hurricanes and earthquakes, using traditional actuarial methods. We estimate losses for these types of events based on information derived from catastrophe models, quantitative and qualitative exposure analyses, reports and communications from ceding companies and development patterns for historically similar events. Due to the inherent uncertainty in estimating such losses, these estimates are subject to variability, which increases with the severity and complexity of the underlying event.

Our key actuarial assumptions contain no explicit provisions for reserve uncertainty nor do we supplement the actuarially determined reserves for uncertainty.

Our carried reserves at each reporting date are management's best estimate of ultimate unpaid losses and LAE at that date. We complete detailed reserve studies for each exposure group annually for our reinsurance and insurance operations. The completed annual reinsurance reserve studies are "rolled forward" for each accounting period until the subsequent reserve study is completed. Analyzing the roll-forward process involves comparing actual reported losses to expected losses based on the most recent reserve study. We analyze significant variances between actual and expected losses and also consider recent market, underwriting and management criteria to determine management's best estimate of ultimate unpaid losses and LAE. As a result of these additional factors, in some instances the selected reserve level may be higher or lower than the actuarial indicated estimate.

Given the inherent variability in our loss reserves, we have developed an estimated range of possible gross reserve levels. A table of ranges by segment, accompanied by commentary on potential and historical variability, is included in "Financial Condition - Loss and LAE Reserves". The ranges are statistically developed using the exposure groups used in the reserve estimation process and aggregated to the segment level. For each exposure group, our actuaries calculate a range for each accident year based principally on two variables. The first is the historical changes in losses and LAE incurred but not reported ("IBNR") for each accident year over time; the second is volatility of each accident year's held reserves related to estimated ultimate losses, also over time. Both are measured at various ages from the end of the accident year through the final payout of the year's losses. Ranges are developed for the exposure groups using statistical methods to adjust for diversification; the ranges for the exposure groups are aggregated to the segment level, likewise, with an adjustment for diversification. Our estimates of our reserve variability may not be comparable to those of other companies because there are no consistently applied actuarial or accounting standards governing such presentations. Our recorded reserves reflect our best point estimate of our liabilities and our actuarial methodologies focus on developing such point estimates. We calculate the ranges subsequently, based on the historical variability of such reserves.

Asbestos and Environmental Exposures. We continue to receive claims under expired insurance and reinsurance contracts asserting injuries and/or damages relating to or resulting from environmental pollution and hazardous substances, including asbestos. Environmental claims typically assert liability for (a) the mitigation or remediation of environmental contamination or (b) bodily injury or property damage caused by the release of hazardous substances into the land, air or water. Asbestos claims typically assert liability for bodily injury from exposure to asbestos or for

property damage resulting from asbestos or products containing asbestos.

60

Our reserves include an estimate of our ultimate liability for A&E claims. Our A&E liabilities emanate from Everest Re's assumed reinsurance business. Liabilities related to Mt. McKinley's direct business, which had been ceded to Bermuda Re previously, were retroceded to an affiliate of Clearwater Insurance Company in 2015, concurrent with the sale of Mt. McKinley to Clearwater Insurance Company. There are significant uncertainties surrounding our estimates of our potential losses from A&E claims. Among the uncertainties are: (a) potentially long waiting periods between exposure and manifestation of any bodily injury or property damage; (b) difficulty in identifying sources of asbestos or environmental contamination; (c) difficulty in properly allocating responsibility and/or liability for asbestos or environmental damage; (d) changes in underlying laws and judicial interpretation of those laws; (e) the potential for an asbestos or environmental claim to involve many insurance providers over many policy periods; (f) questions concerning interpretation and application of insurance and reinsurance coverage; and (g) uncertainty regarding the number and identity of insureds with potential asbestos or environmental exposure.

Due to the uncertainties discussed above, the ultimate losses attributable to A&E, and particularly asbestos, may be subject to more variability than are non-A&E reserves and such variation could have a material adverse effect on our financial condition, results of operations and/or cash flows. See also ITEM 8, "Financial Statements and Supplementary Data" - Notes 1 and 3 of Notes to the Consolidated Financial Statements.

Reinsurance Receivables. We have purchased reinsurance to reduce our exposure to adverse claim experience, large claims and catastrophic loss occurrences. Our ceded reinsurance provides for recovery from reinsurers of a portion of losses and loss expenses under certain circumstances. Such reinsurance does not relieve us of our obligation to our policyholders. In the event our reinsurers are unable to meet their obligations under these agreements or are able to successfully challenge losses ceded by us under the contracts, we will not be able to realize the full value of the reinsurance receivable balance. To minimize exposure from uncollectible reinsurance receivables, we have a reinsurance security committee that evaluates the financial strength of each reinsurer prior to our entering into a reinsurance arrangement. In some cases, we may hold full or partial collateral for the receivable, including letters of credit, trust assets and cash. Additionally, creditworthy foreign reinsurers of business written in the U.S., as well as capital markets' reinsurance mechanisms, are generally required to secure their obligations. We have established reserves for uncollectible balances based on our assessment of the collectability of the outstanding balances. As of December 31, 2018 and 2017, the reserve for uncollectible balances was \$15.0 million. Actual uncollectible amounts may vary, perhaps substantially, from such reserves, impacting income (loss) in the period in which the change in reserves is made. See also ITEM 8, "Financial Statements and Supplementary Data" - Note 11 of Notes to the Consolidated Financial Statements and "Financial Condition – Reinsurance Receivables" below.

Premiums Written and Earned. Premiums written by us are earned ratably over the coverage periods of the related insurance and reinsurance contracts. We establish unearned premium reserves to cover the unexpired portion of each contract. Such reserves, for assumed reinsurance, are computed using pro rata methods based on statistical data received from ceding companies. Premiums earned, and the related costs, which have not yet been reported to us, are estimated and accrued. Because of the inherent lag in the reporting of written and earned premiums by our ceding companies, we use standard accepted actuarial methodologies to estimate earned but not reported premium at each financial reporting date. These earned but not reported premiums are combined with reported earned premiums to comprise our total premiums earned for determination of our incurred losses and loss and LAE reserves. Commission expense and incurred losses related to the change in earned but not reported premium are included in current period company and segment financial results. See also ITEM 8, "Financial Statements and Supplementary Data" - Note 1 of Notes to the Consolidated Financial Statements.

The following table displays the estimated components of net earned but not reported premiums by segment for the periods indicated.

| (Dollars in millions) | At December 31, | | |
|-----------------------|-----------------|---------|---------|
| | 2018 | 2017 | 2016 |
| U.S. Reinsurance | \$592.9 | \$354.3 | \$385.5 |
| International | 330.6 | 275.2 | 235.4 |
| Bermuda | 439.5 | 270.3 | 258.4 |
| Total | \$1,362.9 | \$899.8 | \$879.3 |

(Some amounts may not reconcile due to rounding.)

Investment Valuation. Our fixed income investments are classified for accounting purposes as available for sale and are carried at market value or fair value in our consolidated balance sheets. Our equity securities are all carried at fair value, as of January 1, 2018, due to the adoption of ASU 2016-01. Most securities we own are traded on national exchanges where market values are readily available. Some of our commercial mortgage-backed securities (“CMBS”) are valued using cash flow models and risk-adjusted discount rates. We hold some privately placed securities, less than 2.9% of the portfolio, that are either valued by brokers or investment advisors. In most instances, values provided by an investment advisor are supported with opinions from qualified independent third parties. In limited circumstances when broker or investment advisor prices are not available for a private placement, we will value the securities using comparable market information. At December 31, 2018 and 2017, our investment portfolio included \$1,427.8 million and \$1,074.6 million, respectively, of limited partnership investments whose values are reported pursuant to the equity method of accounting. We carry these investments at values provided by the managements of the limited partnerships and due to inherent reporting lags, the carrying values are based on values with “as of” dates from one month to one quarter prior to our financial statement date.

At December 31, 2018, we had net unrealized losses, net of tax, of \$179.4 million compared to unrealized gains, net of tax, of \$50.0 million at December 31, 2017. Gains and losses from market fluctuations for investments held at market value are reflected as comprehensive income (loss) in the consolidated balance sheets. Gains and losses from market fluctuations for investments held at fair value are reflected as net realized capital gains and losses in the consolidated statements of operations and comprehensive income (loss). Market value declines for the fixed income portfolio, which are considered credit other-than-temporary impairments, are reflected in our consolidated statements of operations and comprehensive income (loss), as realized capital losses. We consider many factors when determining whether a market value decline is other-than-temporary, including: (1) we have no intent to sell and, more likely than not, will not be required to sell prior to recovery, (2) the length of time the market value has been below book value, (3) the credit strength of the issuer, (4) the issuer’s market sector, (5) the length of time to maturity and (6) for asset-backed securities, changes in prepayments, credit enhancements and underlying default rates. If management’s assessments change in the future, we may ultimately record a realized loss after management originally concluded that the decline in value was temporary. See also ITEM 8, “Financial Statements and Supplementary Data” - Note 1 of Notes to the Consolidated Financial Statements.

FINANCIAL CONDITION

Cash and Invested Assets. Aggregate invested assets, including cash and short-term investments, were \$18,433.1 million at December 31, 2018, a decrease of \$193.5 million compared to \$18,626.5 million at December 31, 2017. This decrease was primarily the result of \$329.4 million in fair value re-measurements, \$250.9 million of pre-tax unrealized depreciation, \$216.2 million paid out in dividends to shareholders, \$143.1 million due to fluctuations in foreign currencies, repurchases of 0.3 million common shares for \$75.3 million and \$8.1 million of other-than-temporary impairments, partially offset by \$610.1 million of cash flows from operations, \$102.1 million in

equity adjustments of our limited partnership investments, \$46.1 million of unsettled securities and \$29.3 million of amortization bond premium.

Our principal investment objectives are to ensure funds are available to meet our insurance and reinsurance obligations and to maximize after-tax investment income while maintaining a high quality diversified investment portfolio. Considering these objectives, we view our investment portfolio as having two components: 1) the investments needed to satisfy outstanding liabilities (our core fixed maturities portfolio) and 2) investments funded by our shareholders' equity.

62

For the portion needed to satisfy global outstanding liabilities, we generally invest in taxable and tax-preferenced fixed income securities with an average credit quality of Aa3. For the U.S. portion of this portfolio, our mix of taxable and tax-preferenced investments is adjusted periodically, consistent with our current and projected U.S. operating results, market conditions and our tax position. This global fixed maturity securities portfolio is externally managed by independent, professional investment managers using portfolio guidelines approved by internal management.

Over the past several years, we have expanded the allocation of our investments funded by shareholders' equity to include: 1) a greater percentage of publicly traded equity securities, 2) emerging market fixed maturities through mutual fund structures, as well as individual holdings, 3) high yield fixed maturities, 4) bank and private loan securities and 5) private equity limited partnership investments. The objective of this portfolio diversification is to enhance the risk-adjusted total return of the investment portfolio by allocating a prudent portion of the portfolio to higher return asset classes, which are also less subject to changes in value with movements in interest rates. We limit our allocation to these asset classes because of 1) the potential for volatility in their values and 2) the impact of these investments on regulatory and rating agency capital adequacy models. We use investment managers experienced in these markets and adjust our allocation to these investments based upon market conditions. At December 31, 2018, the market value of investments in these investment market sectors, carried at both market and fair value, approximated 51.9% of shareholders' equity.

The Company's limited partnership investments are comprised of limited partnerships that invest in private equities. Generally, the limited partnerships are reported on a quarter lag. We receive annual audited financial statements for all of the limited partnerships which are prepared using fair value accounting in accordance with FASB guidance. For the quarterly reports, the Company's staff performs reviews of the financial reports for any unusual changes in carrying value. If the Company becomes aware of a significant decline in value during the lag reporting period, the loss will be recorded in the period in which the Company identifies the decline.

The tables below summarize the composition and characteristics of our investment portfolio as of the dates indicated.

| (Dollars in millions) | At December 31, | | | | | |
|---------------------------------|-----------------|---------|--|------------|---------|--|
| | 2018 | | | 2017 | | |
| Fixed maturities, market value | \$15,225.3 | 82.6 % | | \$14,756.8 | 79.2 % | |
| Fixed maturities, fair value | 2.3 | 0.0 % | | | | |
| Equity securities, market value | - | 0.0 % | | 129.5 | 0.7 % | |
| Equity securities, fair value | 716.6 | 3.9 % | | 963.6 | 5.2 % | |
| Short-term investments | 241.0 | 1.3 % | | 509.7 | 2.7 % | |
| Other invested assets | 1,591.7 | 8.6 % | | 1,631.9 | 8.8 % | |
| Cash | 656.1 | 3.6 % | | 635.1 | 3.4 % | |
| Total investments and cash | \$18,433.1 | 100.0 % | | \$18,626.5 | 100.0 % | |

(Some amounts may not reconcile due to rounding.)

| | At December 31, | |
|---|-----------------------|------|
| | 2018 | 2017 |
| Fixed income portfolio duration (years) | 3.0 | 3.1 |
| Fixed income composite credit quality | Aa3 | Aa3 |
| Imbedded end of period yield, pre-tax | 3.4% | 3.0% |
| Imbedded end of period yield, after-tax | 3.0% | 2.8% |

Reinsurance Receivables.

Reinsurance receivables for both paid and recoverable on unpaid losses totaled \$1,787.6 million at December 31, 2018 and \$1,348.2 million at December 31, 2017. At December 31, 2018, \$683.8 million, or 38.3%, was receivable from Mt. Logan Re collateralized segregated accounts; \$125.5 million, or 7.0%, was receivable from Munich Re; \$122.1 million, or 6.8%, was receivable from Zurich; and \$103.1 million, or 5.8%, was receivable from Resolution Group. The receivables from Resolution Group are fully collateralized by an individual trust agreement. No other retrocessionaire accounted for more than 5% of our receivables.

63

Loss and LAE Reserves. Gross loss and LAE reserves totaled \$13,119.1 million and \$11,884.3 million at December 31, 2018 and 2017, respectively.

The following tables summarize gross outstanding loss and LAE reserves by segment, classified by case reserves and IBNR reserves, for the periods indicated.

| (Dollars in millions) | At December 31, 2018 | | | |
|-----------------------|----------------------|---------------|----------------|------------|
| | Case Reserves | IBNR Reserves | Total Reserves | % of Total |
| U.S. Reinsurance | \$2,191.5 | \$2,498.7 | \$4,690.2 | 35.8 % |
| International | 1,194.3 | 1,010.4 | 2,204.7 | 16.8 % |
| Bermuda | 1,163.5 | 1,592.4 | 2,755.9 | 21.0 % |
| Insurance | 1,082.0 | 2,038.9 | 3,120.9 | 23.8 % |
| Total excluding A&E | 5,631.2 | 7,140.4 | 12,771.6 | 97.4 % |
| A&E | 270.6 | 76.9 | 347.5 | 2.6 % |
| Total including A&E | \$5,901.9 | \$7,217.3 | \$13,119.1 | 100.0 % |

(Some amounts may not reconcile due to rounding.)

| (Dollars in millions) | At December 31, 2017 | | | |
|-----------------------|----------------------|---------------|----------------|------------|
| | Case Reserves | IBNR Reserves | Total Reserves | % of Total |
| U.S. Reinsurance | \$1,719.6 | \$2,041.0 | \$3,760.6 | 31.6 % |
| International | 1,147.6 | 1,022.9 | 2,170.5 | 18.3 % |
| Bermuda | 1,037.8 | 1,417.0 | 2,454.8 | 20.7 % |
| Insurance | 1,049.4 | 2,000.0 | 3,049.4 | 25.7 % |
| Total excluding A&E | 4,954.3 | 6,481.0 | 11,435.3 | 96.2 % |
| A&E | 306.0 | 143.0 | 449.0 | 3.8 % |
| Total including A&E | \$5,260.4 | \$6,623.9 | \$11,884.3 | 100.0 % |

(Some amounts may not reconcile due to rounding.)

Changes in premiums earned and business mix, reserve re-estimations, catastrophe losses and changes in catastrophe loss reserves and claim settlement activity all impact loss and LAE reserves by segment and in total.

Our loss and LAE reserves represent management's best estimate of our ultimate liability for unpaid claims. We continuously re-evaluate our reserves, including re-estimates of prior period reserves, taking into consideration all available information and, in particular, newly reported loss and claim experience. Changes in reserves resulting from such re-evaluations are reflected in incurred losses in the period when the re-evaluation is made. Our analytical methods and processes operate at multiple levels including individual contracts, groupings of like contracts, classes and lines of business, internal business units, segments, legal entities, and in the aggregate. In order to set appropriate reserves, we make qualitative and quantitative analyses and judgments at these various levels. Additionally, the attribution of reserves, changes in reserves and incurred losses among accident years requires qualitative and quantitative adjustments and allocations at these various levels. We utilize actuarial science, business expertise and management judgment in a manner intended to ensure the accuracy and consistency of our reserving practices. Nevertheless, our reserves are estimates, which are subject to variation, which may be significant.

There can be no assurance that reserves for, and losses from, claim obligations will not increase in the future, possibly by a material amount. However, we believe that our existing reserves and reserving methodologies lessen the probability that any such increase would have a material adverse effect on our financial condition, results of operations or cash flows.

We have included ranges for loss reserve estimates determined by our actuaries, which have been developed through a combination of objective and subjective criteria. Our presentation of this information may not be directly comparable to similar presentations of other companies as there are no consistently applied actuarial or accounting standards governing such presentations. Our recorded reserves are an aggregation of our best point estimates for approximately 200 reserve groups and reflect our best point estimate of our liabilities. Our actuarial methodologies develop point estimates rather than ranges and the ranges are developed subsequently based upon historical and prospective variability measures.

The following table below represents the reserve levels and ranges for each of our business segments for the period indicated.

| (Dollars in millions) | Outstanding Reserves and Ranges By Segment (1) | | | | | |
|--------------------------------------|--|-----------------|---------------|------------------|----------------|-----------|
| | At December 31, 2018 | | | | | |
| | As Reported | Low Range % (2) | Low Range (2) | High Range % (2) | High Range (2) | |
| Gross Reserves By Segment | | | | | | |
| U.S. Reinsurance | \$4,690.2 | -16.0 | % \$3,940.7 | 16.0 | % | \$5,439.6 |
| International | 2,204.7 | -12.7 | % 1,923.7 | 12.7 | % | 2,485.7 |
| Bermuda | 2,755.9 | -12.2 | % 2,419.0 | 12.2 | % | 3,092.8 |
| Insurance | 3,120.9 | -14.4 | % 2,670.3 | 14.4 | % | 3,571.5 |
| Total Gross Reserves (excluding A&E) | 12,771.6 | -10.5 | % 11,426.5 | 10.5 | % | 14,116.7 |
| A&E (All Segments) | 347.5 | -13.7 | % 299.9 | 13.7 | % | 395.1 |
| Total Gross Reserves | \$13,119.1 | -10.4 | % 11,749.5 | 10.4 | % | 14,488.6 |

(Some amounts may not reconcile due to rounding.)

(1) There can be no assurance that reserves will not ultimately exceed the indicated ranges requiring additional income (loss) statement expense.

(2) Although totals are displayed for both the low and high range amounts, it should be noted that statistically the range of the total is not equal to the sum of the ranges of the segments.

Depending on the specific segment, the range derived for the loss reserves, excluding reserves for A&E exposures, ranges from minus 12.2% to minus 16.0% for the low range and from plus 12.2% to plus 16.0% for the high range. Both the higher and lower ranges are associated with the U.S. Reinsurance segment. The size of the range is dependent upon the level of confidence associated with the outcome. Within each range, management's best estimate of loss reserves is based upon the point estimate derived by our actuaries in detailed reserve studies. Such ranges are necessarily subjective due to the lack of generally accepted actuarial standards with respect to their development. For the above presentation, we have assumed what we believe is a reasonable confidence level but note that there can be no assurance that our claim obligations will not vary outside of these ranges.

Additional losses, including those relating to latent injuries, and other exposures, which are as yet unrecognized, the type or magnitude of which cannot be foreseen by us or the reinsurance and insurance industry generally, may emerge in the future. Such future emergence, to the extent not covered by existing retrocessional contracts, could have material adverse effects on our future financial condition, results of operations and cash flows.

Asbestos and Environmental Exposures. A&E exposures represent a separate exposure group for monitoring and evaluating reserve adequacy. The following table summarizes the outstanding loss reserves with respect to A&E reserves on both a gross and net of retrocessions basis for the periods indicated.

| (Dollars in millions) | Years Ended December 31, | | |
|------------------------|--------------------------|---------|---------|
| | 2018 | 2017 | 2016 |
| Gross reserves | \$347.5 | \$449.0 | \$441.1 |
| Reinsurance receivable | (86.0) | (130.9) | (122.0) |
| Net reserves | \$261.5 | \$318.1 | \$319.1 |

(Some amounts may not reconcile due to rounding.)

With respect to asbestos only, at December 31, 2018, we had net asbestos loss reserves of \$252.5 million, or 96.6%, of total net A&E reserves, all of which was for assumed business.

In 2015, we sold Mt. McKinley to Clearwater Insurance Company. Concurrently with the closing, we entered into a retrocession treaty with an affiliate of Clearwater. Per the retrocession treaty, we retroceded 100% of the liabilities associated with certain Mt. McKinley policies, which had been reinsured by Bermuda Re. As consideration for entering into the retrocession treaty, Bermuda Re transferred cash of \$140.3 million, an amount equal to the net loss reserves as of the closing date. Of the \$140.3 million of net loss reserves retroceded, \$100.5 million were related to A&E business. The maximum liability retroceded under the retrocession treaty will be \$440.3 million, equal to the retrocession payment plus \$300.0 million. We will retain liability for any amounts exceeding the maximum liability retroceded under the retrocession treaty.

Ultimate loss projections for A&E liabilities cannot be accomplished using standard actuarial techniques. We believe that our A&E reserves represent management's best estimate of the ultimate liability; however, there can be no assurance that ultimate loss payments will not exceed such reserves, perhaps by a significant amount.

Industry analysts use the "survival ratio" to compare the A&E reserves among companies with such liabilities. The survival ratio is typically calculated by dividing a company's current net reserves by the three year average of annual paid losses. Hence, the survival ratio equals the number of years that it would take to exhaust the current reserves if future loss payments were to continue at historical levels. Using this measurement, our net three year asbestos survival ratio was 5.7 years at December 31, 2018. These metrics can be skewed by individual large settlements occurring in the prior three years and therefore, may not be indicative of the timing of future payments.

Shareholders' Equity. Our shareholders' equity decreased to \$7,903.8 million as of December 31, 2018 from \$8,369.2 million as of December 31, 2017. This decrease was the result of \$228.2 million of unrealized depreciation on investments, net of tax, \$216.2 million of shareholder dividends, \$76.8 million of net foreign currency translation adjustments, and repurchases of 0.3 million common shares for \$75.3 million, partially offset by \$103.6 million of net income, \$23.0 million of share-based compensation transactions and \$4.5 million of net benefit plan obligation adjustments.

Our shareholders' equity increased to \$8,369.2 million as of December 31, 2017 from \$8,075.4 million as of December 31, 2016. This increase was the result of \$469.0 million of net income, \$121.9 million of net foreign currency translation adjustments, \$25.0 million of share-based compensation transactions and \$6.5 million of net benefit plan obligation adjustments, partially offset by \$207.2 million of shareholder dividends, \$71.3 million of unrealized appreciation on investments, net of tax and repurchases of 0.2 million common shares for \$50.0 million.

LIQUIDITY AND CAPITAL RESOURCES

Capital. Shareholders' equity at December 31, 2018 and December 31, 2017 was \$7,903.8 million and \$8,369.2 million, respectively. Management's objective in managing capital is to ensure its overall capital level, as well as the capital levels of its operating subsidiaries, exceed the amounts required by regulators, the amount needed to support our current financial strength ratings from rating agencies and our own economic capital models. The Company's capital has historically exceeded these benchmark levels.

Our two main operating companies Bermuda Re and Everest Re are regulated by the Bermuda Monetary Authority ("BMA") and the State of Delaware, Department of Insurance, respectively. Both regulatory bodies have their own capital adequacy models based on statutory capital as opposed to GAAP basis equity. Failure to meet the required statutory capital levels could result in various regulatory restrictions, including business activity and the payment of dividends to their parent companies.

The regulatory targeted capital and the actual statutory capital for Bermuda Re and Everest Re were as follows:

| (Dollars in millions) | Bermuda Re ⁽¹⁾ | | Everest Re ⁽²⁾ | |
|-----------------------------|---------------------------|---------------------|---------------------------|-----------|
| | 2018 ⁽³⁾ | 2017 ⁽³⁾ | 2018 | 2017 |
| Regulatory targeted capital | \$- | \$2,368.6 | \$2,173.0 | \$2,076.9 |
| Actual capital | \$3,061.1 | \$3,085.9 | \$3,650.6 | \$3,391.9 |

⁽¹⁾ Regulatory targeted capital represents the target capital level from the applicable year's BSCR calculation.

⁽²⁾ Regulatory targeted capital represents 200% of the RBC authorized control level calculation for the applicable year.

⁽³⁾ The 2018 BSCR calculation is not yet due to be completed; however, the Company anticipates that Bermuda Re's December 31, 2018 actual capital will exceed the targeted capital level.

Our financial strength ratings as determined by A.M. Best, Standard & Poor's and Moody's are important as they provide our customers and investors with an independent assessment of our financial strength using a rating scale that provides for relative comparisons. We continue to possess significant financial flexibility and access to debt and equity markets as a result of our financial strength, as evidenced by the financial strength ratings as assigned by independent rating agencies. See also ITEM 1, Business – "Financial Strength Ratings".

We maintain our own economic capital models to monitor and project our overall capital, as well as, the capital at our operating subsidiaries. A key input to the economic models is projected income and this input is continually compared to actual results, which may require a change in the capital strategy.

In 2018, we repurchased 0.3 million shares for \$75.3 million in the open market and paid \$216.2 million in dividends to adjust our capital position and enhance long term expected returns to our shareholders. During 2017, we repurchased 0.2 million shares for \$50.0 million in the open market and paid \$207.2 million in dividends. We may at times enter into a Rule 10b5-1 repurchase plan agreement to facilitate the repurchase of shares. On November 19, 2014, our existing Board authorization to purchase up to 25 million of our shares was amended to authorize the purchase of up to 30 million shares. As of December 31, 2018, we had repurchased 28.6 million shares under this authorization.

Liquidity. Our liquidity requirements are generally met from positive cash flow from operations. Positive cash flow results from reinsurance and insurance premiums being collected prior to disbursements for claims, which disbursements generally take place over an extended period after the collection of premiums, sometimes a period of many years. Collected premiums are generally invested, prior to their use in such disbursements, and investment income provides additional funding for loss payments. Our net cash flows from operating activities were \$610.1 million, \$1,162.7 million and \$1,383.6 million for the years ended December 31, 2018, 2017 and 2016, respectively. Additionally, these cash flows reflected net tax recoveries of \$65.1 million in 2018, and net tax payments of \$53.7 million and \$42.6 million for the years ended December 31, 2018, 2017 and 2016, respectively, as well as net catastrophe loss payments of \$1,125.9 million, \$745.0 million and 206.0 million for the years ended December 31, 2018, 2017 and 2016, respectively.

If disbursements for claims and benefits, policy acquisition costs and other operating expenses were to exceed premium inflows, cash flow from reinsurance and insurance operations would be negative. The effect on cash flow from insurance operations would be partially offset by cash flow from investment income. Additionally, cash inflows from investment maturities and dispositions, both short-term investments and longer term maturities are available to supplement other operating cash flows.

As the timing of payments for claims and benefits cannot be predicted with certainty, we maintain portfolios of long term invested assets with varying maturities, along with short-term investments that provide additional liquidity for payment of claims. At December 31, 2018 and December 31, 2017, we held cash and short-term investments of \$897.1 million and \$1,144.7 million, respectively. Our short-term investments are generally readily marketable and can be converted to cash. In addition to these cash and short-term investments, at December 31, 2018, we had \$1,330.5 million of available for sale fixed maturity securities maturing within one year or less, \$8,016.5 million maturing within one to five years and \$3,205.0 million maturing after five years. Our \$716.6 million of equity securities are comprised primarily of publicly traded securities that can be easily liquidated. We believe that these fixed maturity and equity securities, in

conjunction with the short-term investments and positive cash flow from operations, provide ample sources of liquidity for the expected payment of losses in the near future. We do not anticipate selling a significant amount of securities or using available credit facilities to pay losses and LAE but have the ability to do so. Sales of securities might result in realized capital gains or losses. At December 31, 2018 we had \$181.3 million of net pre-tax unrealized depreciation related to fixed maturity securities, comprised of \$367.9 million of pre-tax unrealized depreciation and \$186.6 million of pre-tax unrealized appreciation.

Management generally expects annual positive cash flow from operations, which reflects the strength of overall pricing. However, given the recent set of catastrophic events, cash flow from operations may decline and could become negative in the near term as significant claim payments are made related to the catastrophes. However, as indicated above, the Company has ample liquidity to settle its catastrophe claims.

In addition to our cash flows from operations and liquid investments, we also have multiple credit facilities that provide up to \$200.0 million of unsecured revolving credit for liquidity but more importantly provide for up to \$600.0 million and £30.0 million of collateralized standby letters of credit to support business written by our Bermuda operating subsidiaries.

Effective May 26, 2016, Group, Bermuda Re and Everest International entered into a five year, \$800.0 million senior credit facility with a syndicate of lenders, which amended and restated in its entirety the June 22, 2012, four year, \$800.0 million senior credit facility. Both the May 26, 2016 and June 22, 2012 senior credit facilities, which have similar terms, are referred to as the “Group Credit Facility”. Wells Fargo Corporation (“Wells Fargo Bank”) is the administrative agent for the Group Credit Facility, which consists of two tranches. Tranche one provides up to \$200.0 million of unsecured revolving credit for liquidity and general corporate purposes, and for the issuance of unsecured standby letters of credit. The interest on the revolving loans shall, at the Company’s option, be either (1) the Base Rate (as defined below) or (2) an adjusted London Interbank Offered Rate (“LIBOR”) plus a margin. The Base Rate is the higher of (a) the prime commercial lending rate established by Wells Fargo Bank, (b) the Federal Funds Rate plus 0.5% per annum or (c) the one month LIBOR Rate plus 1.0% per annum. The amount of margin and the fees payable for the Group Credit Facility depends on Group’s senior unsecured debt rating. Tranche two exclusively provides up to \$600.0 million for the issuance of standby letters of credit on a collateralized basis.

The Group Credit Facility requires Group to maintain a debt to capital ratio of not greater than 0.35 to 1 and to maintain a minimum net worth. Minimum net worth is an amount equal to the sum of \$5,371.0 million plus 25% of consolidated net income for each of Group’s fiscal quarters, for which statements are available ending on or after March 31, 2016 and for which consolidated net income is positive, plus 25% of any increase in consolidated net worth during such period attributable to the issuance of ordinary and preferred shares, which at December 31, 2018, was \$5,994.9 million. As of December 31, 2018, the Company was in compliance with all Group Credit Facility covenants.

At December 31, 2018 and 2017, the Company had no outstanding short-term borrowings from the Group Credit Facility revolving credit line. At December 31, 2018, the Group Credit Facility had no outstanding letters of credit under tranche one and \$558.8 million outstanding letters of credit under tranche two. At December 31, 2017, the Group Credit Facility had no outstanding letters of credit under tranche one and \$538.2 million outstanding letters of credit under tranche two.

Effective November 9, 2018, Everest International renewed its credit facility with Lloyds Bank plc (“Everest International Credit Facility”). The current renewal of the Everest International Credit Facility provides up to £30.0 million for the issuance of standby letters of credit on a collateralized basis. The Company pays a commitment fee of 0.1% per annum on the average daily amount of the remainder of (1) the aggregate amount available under the facility and (2) the aggregate amount of drawings outstanding under the facility. The Company pays a credit commission fee of 0.35% per annum on drawings outstanding under the facility.

The Everest International Credit Facility requires Group to maintain a debt to capital ratio of not greater than 0.35 to 1 and to maintain a minimum net worth. Minimum net worth is an amount equal to the sum of \$5,326.0 million (70% of consolidated net worth as of December 31, 2015), plus 25% of consolidated net income for each of Group's fiscal quarters, for which statements are available ending on or after January 1, 2015 and for which net income is positive, plus 25% of any increase in consolidated net worth of Group

68

during such period attributable to the issuance of ordinary and preferred shares, which at December 31, 2018, was \$5,985.7 million. As of December 31, 2018, the Company was in compliance with all Everest International Credit Facility requirements.

At December 31, 2018 and 2017, Everest International Credit Facility had £26.0 and £0.0 million outstanding letters of credit, respectively.

Costs incurred in connection with the Group Credit Facility and Everest International Credit Facility were \$0.4 million for December 31, 2018 and 2017.

Exposure to Catastrophes. Like other insurance and reinsurance companies, we are exposed to multiple insured losses arising out of a single occurrence, whether a natural event, such as a hurricane or an earthquake, or other catastrophe, such as an explosion at a major factory. A large catastrophic event can be expected to generate insured losses to multiple reinsurance treaties, facultative certificates and direct insurance policies across various lines of business.

We focus on potential losses that could result from any single event, or series of events as part of our evaluation and monitoring of our aggregate exposures to catastrophic events. Accordingly, we employ various techniques to estimate the amount of loss we could sustain from any single catastrophic event or series of events in various geographic areas. These techniques range from deterministic approaches, such as tracking aggregate limits exposed in catastrophe-prone zones and applying reasonable damage factors, to modeled approaches that attempt to scientifically measure catastrophe loss exposure using sophisticated Monte Carlo simulation techniques that forecast frequency and severity of potential losses on a probabilistic basis.

No single universal model or group of models is currently capable of projecting the amount and probability of loss in all global geographic regions in which we conduct business. In addition, the form, quality and granularity of underwriting exposure data furnished by ceding companies is not uniformly compatible with the data requirements for our licensed models, which adds to the inherent imprecision in the potential loss projections. Further, the results from multiple models and analytical methods must be combined to estimate potential losses by and across business units. Also, while most models have been updated to incorporate claims information from recent catastrophic events, catastrophe model projections are still inherently imprecise. In addition, uncertainties with respect to future climatic patterns and cycles could add further uncertainty to loss projections from models based on historical data.

Nevertheless, when combined with traditional risk management techniques and sound underwriting judgment, catastrophe models are a useful tool for underwriters to price catastrophe exposed risks and for providing management with quantitative analyses with which to monitor and manage catastrophic risk exposures by zone and across zones for individual and multiple events.

Projected catastrophe losses are generally summarized in terms of the PML. We define PML as our anticipated loss, taking into account contract terms and limits, caused by a single catastrophe affecting a broad contiguous geographic area, such as that caused by a hurricane or earthquake. The PML will vary depending upon the modeled simulated losses and the make-up of the in force book of business. The projected severity levels are described in terms of “return periods”, such as “100-year events” and “250-year events”. For example, a 100-year PML is the estimated loss to the current in-force portfolio from a single event which has a 1% probability of being exceeded in a twelve month period. In other words, it corresponds to a 99% probability that the loss from a single event will fall below the indicated PML. It is important to note that PMLs are estimates. Modeled events are hypothetical events produced by a stochastic model. As a result, there can be no assurance that any actual event will align with the modeled event or that actual losses from events similar to the modeled events will not vary materially from the modeled event PML.

From an enterprise risk management perspective, management sets limits on the levels of catastrophe loss exposure we may underwrite. The limits are revised periodically based on a variety of factors, including but not limited to our financial resources and expected earnings and risk/reward analyses of the business being underwritten.

Management estimates that the projected net economic loss from its largest 100-year event in a given zone represents approximately 10% of its December 31, 2018 shareholders' equity. Economic loss is the PML exposure, net of third party reinsurance, reduced by estimated reinstatement premiums to renew coverage and estimated income taxes. The impact of income taxes on the PML depends on the distribution of the losses by corporate entity, which is also affected by inter-affiliate reinsurance. Management also monitors and controls its largest PMLs at multiple points along the loss distribution curve, such as loss amounts at the 20, 50, 100, 250, 500 and 1,000 year return periods. This process enables management to identify and control exposure accumulations and to integrate such exposures into enterprise risk, underwriting and capital management decisions.

Our catastrophe loss projections, segmented by risk zones, are updated quarterly and reviewed as part of a formal risk management review process.

We believe that our greatest worldwide 1 in 100 year exposure to a single catastrophic event is to a hurricane affecting the U.S. southeast coast, where we estimate we have a PML exposure, net of third party reinsurance, of \$1,036.3 million. See also table under ITEM 1, "Business - Risk Management of Underwriting and Retrocession Arrangements".

If such a single catastrophe loss were to occur, management estimates that the economic loss to us would be approximately \$759.2 million. The estimate involves multiple variables, including which Everest entity would experience the loss, and as a result there can be no assurance that this amount would not be exceeded.

We may purchase reinsurance to cover specific business written or the potential accumulation or aggregation of exposures across some or all of our operations. Reinsurance purchasing decisions consider both the potential coverage and market conditions including the pricing, terms, conditions and availability of coverage, with the aim of securing cost effective protection. The amount of reinsurance purchased has varied over time, reflecting our view of our exposures and the cost of reinsurance.

Information Technology. Our information technology is a key component of our business operations and is supported by a team of knowledgeable professionals. The majority of our information technology platform is located at our service processing center in New Jersey but processing is performed at the office locations of our operating subsidiaries and branches. In addition, our main-frame processing is performed by a third party vendor at a separate location. We have implemented procedures that ensure that our key business systems are protected (or secured) and data is backed up and stored at off-site locations so that they can be restored promptly if necessary. We have documented business continuity plans and disaster recovery plans to provide uninterrupted technology services for major systems outages with alternative secure data centers available in case of broader outages.

Our business operations depend on the proper functioning and availability of our information technology platform, which includes data processing and related electronic communications. We communicate electronically internally and with our brokers, program managers, clients and third party vendors. Some of these electronic communications involve personal, confidential and proprietary information. We seek to ensure that all of our systems, data and electronic transmissions are appropriately protected from cybersecurity attacks with the latest technology safeguards. These include, but are not limited to, requiring an independent assessment of outside vendor's computing environment relative to the services they are providing us.

Despite these safeguards, a significant cyber incident, including system failure, security breach and disruption by malware or other damage could interrupt or delay our operations. This type of incident may result in a violation of applicable privacy and other laws. Management is not aware of a cybersecurity incident that has had a material impact on our operations.

Contractual Obligations. The following table shows our contractual obligations for the period indicated.

| (Dollars in millions) | Payments due by period | | | | |
|---|------------------------|---------------------|------------|------------|----------------------|
| | Total | Less than 1 year | 1-3 years | 3-5 years | More than 5 years |
| Senior notes | 400.0 | \$- | \$- | \$- | \$ 400.0 |
| Long term notes | 238.6 | - | - | - | 238.6 |
| Interest expense ⁽¹⁾ | 1,075.3 | 31.4 | 62.8 | 62.8 | 918.2 |
| Employee benefit plans | 53.0 | 8.1 | 7.8 | 4.5 | 32.6 |
| Operating lease agreements | 91.8 | 19.0 | 27.8 | 18.1 | 26.9 |
| Gross reserve for losses and LAE ⁽²⁾ | 13,119.1 | 3,847.1 | 4,389.8 | 1,831.0 | 3,051.2 |
| Total | \$ 14,977.7 | \$ 3,905.6 | \$ 4,488.2 | \$ 1,916.4 | \$ 4,667.5 |

(Some amounts may not reconcile due to rounding.)

(1) Interest expense on long term notes is calculated at the variable floating rate of 5.0% as of December 31, 2018.

Loss and LAE reserves represent management's best estimate of losses from claim and related settlement costs.

(2) Both the amounts and timing of such payments are estimates, and the inherent variability of resolving claims as well as changes in market conditions make the timing of cash flows uncertain. Therefore, the ultimate amount and timing of loss and LAE payments could differ from our estimates.

The contractual obligations for senior notes and long term notes are the responsibility of Holdings. We have sufficient cash flow, liquidity, investments and access to capital markets to satisfy these obligations. Holdings generally depends upon dividends from Everest Re, its operating insurance subsidiary for its funding, capital contributions from Group or access to the capital markets. Our various operating insurance and reinsurance subsidiaries have sufficient cash flow, liquidity and investments to settle outstanding reserves for losses and LAE. Management believes that we, and each of our entities, have sufficient financial resources or ready access thereto, to meet all obligations.

Dividends.

During 2018, 2017 and 2016, we declared and paid common shareholder dividends of \$216.2 million, \$207.2 million and \$195.4 million, respectively. As an insurance holding company, we are partially dependent on dividends and other permitted payments from our subsidiaries to pay cash dividends to our shareholders. The payment of dividends to Group by Holdings Ireland and Everest Dublin Holdings is subject to Irish corporate and regulatory restrictions; the payment of dividends to Holdings Ireland by Holdings and to Holdings by Everest Re is subject to Delaware regulatory restrictions; and the payment of dividends to Group by Bermuda Re, Everest International or Mt. Logan Re is subject to Bermuda insurance regulatory restrictions. Management expects that, absent extraordinary catastrophe losses, such restrictions should not affect Everest Re's ability to declare and pay dividends sufficient to support Holdings' general corporate needs and that Holdings Ireland, Everest Dublin Holdings, Bermuda Re and Everest International will have the ability to declare and pay dividends sufficient to support Group's general corporate needs. For the years ended December 31, 2018, 2017 and 2016, Everest Re paid no dividends to Holdings and EGS paid dividends to Holdings of \$90.0 million, \$0.0 million and \$0.0 million. For the years ended December 31, 2018, 2017 and 2016, Bermuda Re paid dividends to Group of \$750.0 million, \$400.0 million and \$650.0 million, respectively; Everest International paid dividends to Group of \$200.0 million, \$0.0 million and \$40.0 million, respectively; and Mt. Logan Re paid dividends to Group of \$0.0 million, \$25.0 million and \$0.0 million, respectively. See ITEM 1, "Business – Regulatory Matters – Dividends" and ITEM 8, "Financial Statements and Supplementary Data" - Note 14 of Notes to Consolidated Financial Statements.

Application of Recently Issued Accounting Guidance.

Simplification of Disclosure Requirements. In August 2018, the Securities and Exchange Commission (“SEC”) issued Final Rule Release #33-10532 (“the Rule”) which addresses the simplification of the SEC’s disclosure requirements for quarterly and annual financial reports. The main changes addressed by the Rule that are applicable to the Company are 1) elimination of the requirement to disclose dividend per share information on the face of the Statements of Operations and Comprehensive Income (Loss) and 2) a new requirement to disclose changes in equity by line item with subtotals for each interim reporting period on the Statements of Changes in Shareholders’ Equity. The Rule became effective for all financial reports filed after November 5, 2018 (30 days after its publication in the Federal Register), except for the additional requirement for the Statements of Changes in Shareholders’ Equity which can be implemented for first quarter 2019 reporting. The Company has adopted the portions of the Rule that became effective November 5, 2018. The portion of the Rule related to the new requirement for the Statements of Changes in Shareholders’ Equity will be adopted by the Company in the first quarter of 2019.

Accounting for Cloud Computing Arrangement. In August 2018, The Financial Accounting Standards Board (“FASB”) issued ASU 2018-15, which outlines accounting for implementation costs of a cloud computing arrangement that is a service contract. This guidance requires that implementation costs of a cloud computing arrangement that is a service contract must be capitalized and expensed in accordance with the existing provisions provided in Subtopic 350-40 regarding development of internal use software. In addition, any capitalized implementation costs should be amortized over the term of the hosting arrangement. The guidance is effective for annual reporting periods beginning after December 15, 2019 and interim periods within that annual reporting period. The Company is currently evaluating the impact of the adoption of ASU 2018-15 on its financial statements.

Accounting for Long Duration Contracts. In August 2018, FASB issued ASU 2018-12, which discusses changes to the recognition, measurement and presentation of long duration contracts. The main provisions of this guidance address the following: 1) In determining liability for future policy benefits, companies must review cash flow assumptions at least annually and the discount rate assumption at each reporting period date 2) Amortization of deferred acquisition costs has been simplified to be in constant level proportion to either premiums, gross profits or gross margins 3) Disaggregated roll forwards of beginning and ending liabilities for future policy benefits are required. The guidance is effective for annual reporting periods beginning after December 15, 2020 and interim periods within that annual reporting period. The Company is currently evaluating the impact of the adoption of ASU 2018-12 on its financial statements.

Accounting for Deferred Taxes in Accumulated Other Comprehensive Income (AOCI). In February 2018, FASB issued ASU 2018-02 which outlines guidance on the treatment of trapped deferred taxes contained within AOCI on the consolidated balance sheets. The new guidance allows the amount of trapped deferred taxes in AOCI, resulting from the change in the U.S. tax rate from 35% to 21% upon enactment of the Tax Cuts and Jobs Act (“TCJA”), to be reclassified as part of retained earnings in the consolidated balance sheets. The guidance is effective for annual and interim reporting periods beginning after December 15, 2018, but early adoption is allowed. The Company decided to early adopt the guidance as of December 31, 2017. The adoption resulted in a reclass of \$1,250 thousand between AOCI and retained earnings during the fourth quarter of 2017. As an accounting policy, the Company has adopted the aggregate portfolio approach for releasing disproportionate income tax effects from AOCI.

Accounting for Impact on Income Taxes due to Tax Reform. In December 2017, the SEC issued Staff Accounting Bulletin (“SAB”) 118 which provides guidance on the application of FASB Accounting Standards Codification (“ASC”) Topic 740, Income Taxes, due to the enactment of TCJA. SAB 118 became effective upon release. The Company has adopted the provisions of SAB 118 with respect to measuring the tax effects for the modifications to the determination of tax basis loss reserves. In 2018, the Company recorded adjustments to the amount of tax expense it recorded in 2017 with respect to the TCJA as estimated amounts were finalized, which did not have a material impact on the Company’s financial statements.

Amortization of Bond Premium. In March 2017, FASB issued ASU 2017-08 which outlines guidance on the amortization period for premium on callable debt securities. The new guidance requires that the premium on callable debt securities be amortized through the earliest call date rather than through the maturity date of the callable security. The guidance is effective for annual and interim reporting periods beginning after December 15, 2019. The Company does not expect the adoption of ASU 2017-08 to have a material impact on its financial statements.

Presentation and Disclosure of Net Periodic Benefit Costs. In March 2017, FASB issued ASU 2017-07 which outlines guidance on the presentation of net periodic costs of benefit plans. The new guidance requires that the service cost component of net periodic benefit costs be reported within the same line item of the statements of operations as other compensation costs are reported. Other components of net periodic benefit costs should be reported separately. Footnote disclosure is required to state within which line items of the statements of operations the components are reported. The guidance is effective for annual and interim reporting periods beginning after December 15, 2017. The Company adopted the guidance effective January 1, 2018. The adoption of ASU 2017-07 did not have a material impact on the Company's financial statements.

Disclosure of Restricted Cash. In November 2016, FASB issued ASU 2016-18 and in August 2016, FASB issued ASU 2016-15 which outline guidance on the presentation in the statements of cash flows of changes in restricted cash. The new guidance requires that the statements of cash flows should reflect all changes in cash, cash equivalents and restricted cash in total and not segregated individually. The guidance is effective for annual and interim reporting periods beginning after December 15, 2017. The Company adopted the guidance effective January 1, 2018. The adoption of ASU 2016-18 and ASU 2016-15 did not have a material impact on the Company's financial statements.

Intra-Entity Asset Transfers. In October 2016, FASB issued ASU 2016-16 which outlines guidance on the tax accounting for intra-entity asset sales and transfers, other than inventory. The new guidance requires that reporting entities recognize tax expense from the intra-entity transfer of an asset in the seller's tax jurisdiction at the time of transfer and recognize any deferred tax asset in the buyer's tax jurisdiction at the time of transfer. The guidance is effective for annual and interim reporting periods beginning after December 15, 2017. The Company adopted the guidance effective January 1, 2018. The adoption of ASU 2016-16 did not have a material impact on the Company's financial statements.

Valuation of Financial Instruments. In June 2016, FASB issued ASU 2016-13 which outlines guidance on the valuation of and accounting for assets measured at amortized cost and available for sale debt securities. The carrying value of assets measured at amortized cost will now be presented as the amount expected to be collected on the financial asset (amortized cost less an allowance for credit losses valuation account). Available for sale debt securities will now record credit losses through an allowance for credit losses, which will be limited to the amount by which fair value is below amortized cost. The guidance is effective for annual and interim reporting periods beginning after December 15, 2019. The Company is currently evaluating the impact of the adoption of ASU 2016-13 on its financial statements.

Accounting for Share-Based Compensation. In March 2016, the FASB issued ASU 2016-09, authoritative guidance regarding the accounting for share-based compensation. This guidance requires that the income tax effects resulting from the change in the value of share-based compensation awards between grant and settlement will be recorded as part of the consolidated statements of operations and comprehensive income/(loss). Previously, excess tax benefits have been recorded as part of the additional paid in capital within the consolidated balance sheets. The guidance is effective for annual reporting periods beginning after December 15, 2016 and interim periods within that annual reporting period. The Company has implemented this guidance prospectively as of January 1, 2017. The guidance also requires that the cost of employee taxes paid via shares withheld upon settlement of share-based compensation awards must be shown as a financing activity within the Statements of Cash Flows. The Company has implemented this guidance retrospectively as of January 1, 2017.

The following table presents certain financial statement line items as previously reported in 2016, the effect of those line items due to treating the cost of shares withheld upon settlement of share-based compensation awards as a financing activity with the Statements of Cash Flows and the line items as currently reported within the financial statements.

| Consolidated Statements of Cash Flows: | At December 31, 2016 | | |
|---|----------------------|----------------------------------|------------|
| | | Effect of adoption of | |
| | As reported | previously new accounting policy | As adopted |
| (Dollars in millions) | | | |
| CASH FLOWS FROM OPERATING ACTIVITIES: | | | |
| Change in other assets and liabilities, net | \$ (56.2) | \$ 10.6 | \$ (45.6) |
| Net cash provided by (used in) operating activities | 1,373.0 | 10.6 | 1,383.6 |
| CASH FLOWS FROM FINANCING ACTIVITIES: | | | |
| Cost of shares withheld for taxes on settlements of share-based compensation awards | - | (10.6) | (10.6) |
| Net cash provided by (used in) financing activities | (570.9) | (10.6) | (581.5) |

Leases. In February 2016, FASB issued ASU 2016-02 (and subsequently issued ASU 2018-11 in July, 2018) which outline new guidance on the accounting for leases. The new guidance requires the recognition of lease assets and lease liabilities on the balance sheets for most leases that were previously deemed operating leases and required only lease expense presentation in the statements of operations. The guidance is effective for annual and interim reporting periods beginning after December 15, 2018. The Company will adopt ASU 2016-02 effective January 1, 2019 and estimates that its increase in lease liability will be \$75.0 million with no impact on shareholders' equity upon adoption and no material impact on future consolidated statements of operation and comprehensive income (loss).

Recognition and Measurement of Financial Instruments. In January 2016, the FASB issued ASU 2016-01 which outlines revised guidance on the accounting for equity investments. The new guidance states that all equity investments in unconsolidated entities will be measured at fair value, with the change in value being recorded through the income statement rather than being recorded within other comprehensive income. The updated guidance is effective for annual and interim reporting periods beginning after December 15, 2017. The Company adopted the guidance effective January 1, 2018. The adoption of ASU 2016-01 resulted in a cumulative change adjustment of \$1,201 thousand between AOCI and retained earnings, which is disclosed separately within the consolidated statement of changes in shareholders' equity.

Disclosures about Short-Duration Contracts. In May 2015, the FASB issued ASU 2015-09, authoritative guidance regarding required disclosures associated with short duration insurance contracts. The new disclosure requirements focus on information about initial claim estimates and subsequent claim estimate adjustment, methodologies in estimating claims and the timing, frequency and severity of claims related to short duration insurance contracts. This guidance is effective for annual reporting periods beginning after December 15, 2015 and interim reporting periods beginning after December 15, 2016. The Company implemented this guidance effective in the fourth quarter of 2016.

Disclosures for Investments in Certain Entities that Calculate Net Asset Value Per Share. In May 2015, the FASB issued ASU 2015-07, which removes the requirement to categorize, within the fair value hierarchy, investments for which fair values are estimated using the net asset value practical expedient provided by Accounting Standards Codification 820, Fair Value Measurement. The updated guidance is effective for annual reporting periods beginning

after December 15, 2015. The Company implemented this guidance effective in the fourth quarter of 2016. The adoption did not have a material impact on the Company's financial statements.

Debt Issuance Costs. In April 2015, The FASB issued ASU 2015-03, authoritative guidance on the presentation of debt issuance costs. This guidance requires that debt issuance costs be presented within the balance sheet as a reduction of the carrying value of the debt liability, rather than as a separate asset. This guidance is effective for annual reporting periods beginning after December 15, 2015 and related interim reporting periods. The Company implemented this guidance effective in the second quarter of 2016. The adoption did not have a material impact on the Company's financial statements.

Consolidation. In February 2015, the FASB issued ASU 2015-02, authoritative guidance regarding consolidation of reporting entities. The new guidance focuses on the required evaluation of whether certain legal entities should be consolidated. This guidance is effective for annual and interim reporting periods beginning after December 15, 2015. Based upon this guidance, the Company has determined that the separate segregated accounts associated with Mt. Logan Re should not be consolidated. The Company implemented the guidance effective January 1, 2016.

Revenue Recognition. In May 2014, the FASB issued ASU 2014-09 and in August 2015, FASB issued ASU 2015-14 which outline revised guidance on the recognition of revenue arising from contracts with customers. The new guidance states that reporting entities should apply certain steps to determine when revenue should be recognized, based upon fulfillment of performance obligations to complete contracts. The updated guidance is effective for annual and interim reporting periods beginning after December 15, 2017. The Company adopted the guidance effective January 1, 2018. The adoption of ASU 2014-09 and ASU 2015-14 did not have a material impact on the Company's financial statements.

Market Sensitive Instruments.

The SEC's Financial Reporting Release #48 requires registrants to clarify and expand upon the existing financial statement disclosure requirements for derivative financial instruments, derivative commodity instruments and other financial instruments (collectively, "market sensitive instruments"). We do not generally enter into market sensitive instruments for trading purposes.

Our current investment strategy seeks to maximize after-tax income through a high quality, diversified, taxable and tax-preferenced fixed maturity portfolio, while maintaining an adequate level of liquidity. Our mix of taxable and tax-preferenced investments is adjusted periodically, consistent with our current and projected operating results, market conditions and our tax position. The fixed maturity securities in the investment portfolio are comprised of non-trading available for sale securities. Additionally, we have invested in equity securities.

The overall investment strategy considers the scope of present and anticipated Company operations. In particular, estimates of the financial impact resulting from non-investment asset and liability transactions, together with our capital structure and other factors, are used to develop a net liability analysis. This analysis includes estimated payout characteristics for which our investments provide liquidity. This analysis is considered in the development of specific investment strategies for asset allocation, duration and credit quality. The change in overall market sensitive risk exposure principally reflects the asset changes that took place during the period.

Interest Rate Risk. Our \$18.4 billion investment portfolio, at December 31, 2018, is principally comprised of fixed maturity securities, which are generally subject to interest rate risk and some foreign currency exchange rate risk, and some equity securities, which are subject to price fluctuations and some foreign exchange rate risk. The overall economic impact of the foreign exchange risks on the investment portfolio is partially mitigated by changes in the dollar value of foreign currency denominated liabilities and their associated income statement impact.

Interest rate risk is the potential change in value of the fixed maturity securities portfolio, including short-term investments, from a change in market interest rates. In a declining interest rate environment, it includes prepayment risk on the \$2,133.2 million of mortgage-backed securities in the \$15,227.6 million fixed maturity portfolio. Prepayment risk results from potential accelerated principal payments that shorten the average life and thus the

expected yield of the security.

75

The tables below display the potential impact of market value fluctuations and after-tax unrealized appreciation on our fixed maturity portfolio (including \$241.0 million of short-term investments) for the period indicated based on upward and downward parallel and immediate 100 and 200 basis point shifts in interest rates. For legal entities with a U.S. dollar functional currency, this modeling was performed on each security individually. To generate appropriate price estimates on mortgage-backed securities, changes in prepayment expectations under different interest rate environments were taken into account. For legal entities with a non-U.S. dollar functional currency, the effective duration of the involved portfolio of securities was used as a proxy for the market value change under the various interest rate change scenarios.

| | Impact of Interest Rate Shift in Basis Points | | | | |
|--|---|------------|------------|------------|------------|
| | At December 31, 2018 | | | | |
| (Dollars in millions) | -200 | -100 | 0 | 100 | 200 |
| Total Market/Fair Value | \$16,350.1 | \$15,915.8 | \$15,468.6 | \$15,011.9 | \$14,556.2 |
| Market/Fair Value Change from Base (%) | 5.7 | % 2.9 | % 0.0 | % -3.0 | % -5.9 |
| Change in Unrealized Appreciation | | | | | |
| After-tax from Base (\$) | \$785.4 | \$399.5 | \$- | \$(409.1) | \$(817.7) |

| | Impact of Interest Rate Shift in Basis Points | | | | |
|--|---|------------|------------|------------|------------|
| | At December 31, 2017 | | | | |
| (Dollars in millions) | -200 | -100 | 0 | 100 | 200 |
| Total Market/Fair Value | \$16,130.5 | \$15,704.8 | \$15,266.5 | \$14,807.6 | \$14,347.1 |
| Market/Fair Value Change from Base (%) | 5.7 | % 2.9 | % 0.0 | % -3.0 | % -6.0 |
| Change in Unrealized Appreciation | | | | | |
| After-tax from Base (\$) | \$739.2 | \$376.5 | \$- | \$(397.8) | \$(797.7) |

We had \$13,119.1 million and \$11,884.3 million of gross reserves for losses and LAE as of December 31, 2018 and 2017, respectively. These amounts are recorded at their nominal value, as opposed to present value, which would reflect a discount adjustment to reflect the time value of money. Since losses are paid out over a period of time, the present value of the reserves is less than the nominal value. As interest rates rise, the present value of the reserves decreases and, conversely, as interest rates decline, the present value increases. These movements are the opposite of the interest rate impacts on the fair value of investments. While the difference between present value and nominal value is not reflected in our financial statements, our financial results will include investment income over time from the investment portfolio until the claims are paid. Our loss and loss reserve obligations have an expected duration of approximately 3.0 years, which is reasonably consistent with our fixed income portfolio. If we were to discount our loss and LAE reserves, net of ceded reserves, the discount would be approximately \$1.3 billion resulting in a discounted reserve balance of approximately \$10.2 billion, representing approximately 66.2% of the value of the fixed maturity investment portfolio funds.

Equity Risk. Equity risk is the potential change in fair and/or market value of the common stock, preferred stock and mutual fund portfolios arising from changing prices. Our equity investments consist of a diversified portfolio of individual securities and mutual funds, which invest principally in high quality common and preferred stocks that are traded on the major exchanges, and mutual fund investments in emerging market debt. The primary objective of the equity portfolio is to obtain greater total return relative to our core bonds over time through market appreciation and income.

The tables below display the impact on fair/market value and after-tax change in fair/market value of a 10% and 20% change in equity prices up and down for the period indicated.

| Impact of Percentage Change in Equity Fair/Market Values At December 31, 2018 | | | | | |
|--|-------------|------------|----------|----------|----------|
| (Dollars in millions) | -20% | -10% | 0% | 10% | 20% |
| Fair/Market Value of the Equity Portfolio | \$ 573.3 | \$ 645.0 | \$ 716.6 | \$ 788.3 | \$ 860.0 |
| After-tax Change in Fair/Market Value | \$ (119.1) | \$ (59.5) | \$ - | \$ 59.5 | \$ 119.1 |

| Impact of Percentage Change in Equity Fair/Market Values At December 31, 2017 | | | | | |
|--|-------------|------------|------------|------------|------------|
| (Dollars in millions) | -20% | -10% | 0% | 10% | 20% |
| Fair/Market Value of the Equity Portfolio | \$ 874.5 | \$ 983.8 | \$ 1,093.1 | \$ 1,202.4 | \$ 1,311.7 |
| After-tax Change in Fair/Market Value | \$ (150.7) | \$ (75.3) | \$ - | \$ 75.3 | \$ 150.7 |

Foreign Currency Risk. Foreign currency risk is the potential change in value, income and cash flow arising from adverse changes in foreign currency exchange rates. Each of our non-U.S./Bermuda ("foreign") operations maintains capital in the currency of the country of its geographic location consistent with local regulatory guidelines. Each foreign operation may conduct business in its local currency, as well as the currency of other countries in which it operates. The primary foreign currency exposures for these foreign operations are the Canadian Dollar, the Singapore Dollar, the British Pound Sterling and the Euro. We mitigate foreign exchange exposure by generally matching the currency and duration of our assets to our corresponding operating liabilities. In accordance with FASB guidance, the impact on the market value of available for sale fixed maturities due to changes in foreign currency exchange rates, in relation to functional currency, is reflected as part of other comprehensive income. Conversely, the impact of changes in foreign currency exchange rates, in relation to functional currency, on other assets and liabilities is reflected through net income as a component of other income (expense). In addition, we translate the assets, liabilities and income of non-U.S. dollar functional currency legal entities to the U.S. dollar. This translation amount is reported as a component of other comprehensive income.

In June 2016, the United Kingdom approved a referendum to exit the European Union (commonly referred to as "Brexit") which resulted in volatility in global stock markets and currency exchange rates, and has increased political, economic and global market uncertainty. The formal negotiation process for the United Kingdom to exit the European Union will determine the timing and terms of such an exit. The Company has a Lloyd's of London Syndicate and Bermuda Re has a branch operation in the United Kingdom. The nature and extent of the impact of Brexit on regulation, interest rates, currency exchange rates and financial markets is still uncertain and may adversely affect our operations.

The tables below display the potential impact of a parallel and immediate 10% and 20% increase and decrease in foreign exchange rates on the valuation of invested assets subject to foreign currency exposure for the periods indicated. This analysis includes the after-tax impact of translation from transactional currency to functional currency as well as the after-tax impact of translation from functional currency to the U.S. dollar reporting currency.

| Change in Foreign Exchange Rates in Percent At December 31, 2018 | | | | | |
|---|-------------|-------------|------|----------|----------|
| (Dollars in millions) | -20% | -10% | 0% | 10% | 20% |
| Total After-tax Foreign Exchange Exposure | \$ (438.8) | \$ (219.4) | \$ - | \$ 219.4 | \$ 438.8 |

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Change in Foreign Exchange Rates in Percent
At December 31, 2017

| (Dollars in millions) | -20% | -10% | 0% | 10% | 20% |
|---|-------------|-------------|------|----------|----------|
| Total After-tax Foreign Exchange Exposure | \$ (370.7) | \$ (185.3) | \$ - | \$ 185.3 | \$ 370.7 |

77

Safe Harbor Disclosure.

This report contains forward-looking statements within the meaning of the U.S. federal securities laws. We intend these forward-looking statements to be covered by the safe harbor provisions for forward-looking statements in the federal securities laws. In some cases, these statements can be identified by the use of forward-looking words such as “may”, “will”, “should”, “could”, “anticipate”, “estimate”, “expect”, “plan”, “believe”, “predict”, “potential” and “intend”. Forward-looking statements contained in this report include information regarding our reserves for losses and LAE, the impact of the Tax Cut and Jobs Act, the adequacy of capital in relation to regulatory required capital, the adequacy of our provision for uncollectible balances, estimates of our catastrophe exposure, the effects of catastrophic events on our financial statements, the ability of Everest Re, Holdings, Holdings Ireland, Dublin Holdings, Bermuda Re and Everest International to pay dividends and the settlement costs of our specialized equity index put option contracts. Forward-looking statements only reflect our expectations and are not guarantees of performance. These statements involve risks, uncertainties and assumptions. Actual events or results may differ materially from our expectations. Important factors that could cause our actual events or results to be materially different from our expectations include those discussed under the caption ITEM 1A, “Risk Factors”. We undertake no obligation to update or revise publicly any forward-looking statements, whether as a result of new information, future events or otherwise.

ITEM 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

See “Market Sensitive Instruments” in ITEM 7.

ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

The financial statements and schedules listed in the accompanying Index to Financial Statements and Schedules on page F-1 are filed as part of this report.

ITEM 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE

None.

ITEM 9A. CONTROLS AND PROCEDURES

Disclosure Controls and Procedures.

As required by Rule 13a-15(b) of the Securities Exchange Act of 1934 (the “Exchange Act”), our management, including our Chief Executive Officer and Chief Financial Officer, has evaluated the effectiveness of our disclosure controls and procedures (as defined in Rule 13a-15(e) under the Exchange Act). Based on that evaluation, the Chief Executive Officer and Chief Financial Officer have concluded that our disclosure controls and procedures were effective as of the end of the period covered by this annual report.

Management’s Report on Internal Control Over Financial Reporting.

Our management is responsible for establishing and maintaining adequate internal controls over financial reporting. Our internal control over financial reporting is designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of our financial statements for external purposes in accordance with generally accepted accounting principles.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Management has assessed the effectiveness of our internal control over financial reporting as of December 31, 2018. In making this assessment, we used the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in Internal Control – Integrated Framework (2013). Based on our assessment we concluded that, as of December 31, 2018, our internal control over financial reporting is effective based on those criteria.

The effectiveness of the Company’s internal control over financial reporting as of December 31, 2018, has been audited by PricewaterhouseCoopers LLP, an independent registered public accounting firm, as stated in their report, which appears herein.

Changes in Internal Control over Financial Reporting.

As required by Rule 13a-15(d) of the Exchange Act, our management, including our Chief Executive Officer and Chief Financial Officer, has evaluated our internal control over financial reporting to determine whether any changes occurred during the fourth fiscal quarter covered by this annual report that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting. Based on that evaluation, there has been no such change during the fourth quarter.

ITEM 9B. OTHER INFORMATION

None.

PART III

ITEM 10. DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE

Reference is made to the sections captioned “Information Concerning Nominees”, “Information Concerning Continuing Directors and Executive Officers”, “Audit Committee”, “Nominating and Governance Committee”, “Code of Ethics for CEO and Senior Financial Officers” and “Section 16(a) Beneficial Ownership Reporting Compliance” in our proxy statement for the 2019 Annual General Meeting of Shareholders, which will be filed with the Commission within 120 days of the close of our fiscal year ended December 31, 2018 (the “Proxy Statement”), which sections are incorporated herein by reference.

ITEM 11. EXECUTIVE COMPENSATION

Reference is made to the sections captioned “Directors’ Compensation” and “Compensation of Executive Officers” in the Proxy Statement, which are incorporated herein by reference.

ITEM 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED SHAREHOLDER MATTERS

Reference is made to the sections captioned “Common Share Ownership by Directors and Executive Officers”, “Principal Beneficial Owners of Common Shares” and “Securities Authorized for Issuance Under Equity Compensation Plans” in the Proxy Statement, which are incorporated herein by reference.

ITEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE

Reference is made to the section captioned “Certain Transactions with Directors” in the Proxy Statement, which is incorporated herein by reference.

79

ITEM 14. PRINCIPAL ACCOUNTANT FEES AND SERVICES

Reference is made to the section captioned “Audit Committee Report” in the Proxy Statement, which is incorporated herein by reference.

PART IV

ITEM 15. EXHIBITS AND FINANCIAL STATEMENT SCHEDULES

Financial Statements and Schedules.

The financial statements and schedules listed in the accompanying Index to Financial Statements and Schedules on page F-1 are filed as part of this report.

Exhibits.

The exhibits listed on the accompanying Index to Exhibits on page E-1 are filed as part of this report except that the certifications in Exhibit 32 are being furnished to the SEC, rather than filed with the SEC, as permitted under applicable SEC rules.

80

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized on March 1, 2019.

EVEREST RE GROUP, LTD.

By: /S/ DOMINIC J. ADDESSO
 Dominic J. Addesso
 (President and Chief
 Executive Officer)

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

| <u>Signature</u> | <u>Title</u> | <u>Date</u> |
|--|---|---------------------|
| /S/ DOMINIC J. ADDESSO Dominic J. Addesso | President and Chief Executive Officer and Director (Principal Executive Officer) | March 1, 2019 |
| /S/ CRAIG HOWIE Craig Howie | Executive Vice President and Chief Financial Officer | March 1, 2019 |
| /S/ KEITH T. SHOEMAKER Keith T. Shoemaker | Comptroller (Principal Accounting Officer) | March 1, 2019 |
| /S/ JOSEPH V. TARANTO Joseph V. Taranto | Chairman | March 1, 2019 |
| /S/ JOHN J. AMORE John J. Amore | Director | March 1, 2019 |
| /S/ WILLIAM F. GALTNEY, JR. William F. Galtney, Jr. | Director | March 1, 2019 |

William F. Galtney, Jr.

| | | |
|------------------|----------|---------------------|
| /S/ JOHN A. GRAF | Director | March 1, 2019 |
| John A. Graf | | |

| | | |
|-------------------------|----------|---------------------|
| /S/ GERALDINE LOSQUADRO | Director | March 1, 2019 |
| Geraldine Losquadro | | |

| | | |
|---------------------|----------|---------------------|
| /S/ ROGER M. SINGER | Director | March 1, 2019 |
| Roger M. Singer | | |

| | | |
|-------------------|----------|---------------------|
| /S/ JOHN A. WEBER | Director | March 1, 2019 |
| John A. Weber | | |

INDEX TO EXHIBITS

Exhibit No.

2. 1 Agreement and Plan of Merger among Everest Reinsurance Holdings, Inc., Everest Re Group, Ltd. and Everest Re Merger Corporation, incorporated herein by reference to Exhibit 2.1 to the Registration Statement on Form S-4 (No. 333-87361)
3. 1 Memorandum of Association of Everest Re Group, Ltd., incorporated herein by reference to Exhibit 3.1 to the Registration Statement on Form S-4 (No. 333-87361)
3. 2 Bye-Laws of Everest Re Group, Ltd., incorporated herein by reference to exhibit 3.2 to the Everest Re Group, Ltd., Quarterly Report for Form 10-Q for the quarter ended June 30, 2011 (the “second quarter 2011 10-Q”)
4. 1 Specimen Everest Re Group, Ltd. common share certificate, incorporated herein by reference to Exhibit 4.1 of the Registration Statement on Form S-4 (No. 333-87361)
4. 2 Indenture, dated March 14, 2000, between Everest Reinsurance Holdings, Inc. and The Chase Manhattan Bank (now known as JPMorgan Chase Bank), as Trustee, incorporated herein by reference to Exhibit 4.1 to Everest Reinsurance Holdings, Inc. Form 8-K filed on March 15, 2000
4. 3 Fourth Supplemental Indenture relating to Holdings \$400.0 million 4.868% Senior Notes due June 1, 2044, dated June 5, 2014, between Holdings and The Bank of New York Mellon, as Trustee, incorporated herein by reference to Exhibit 4.1 to Everest Reinsurance Holdings, Inc. Form 8-K filed on June 5, 2014
- *10.1 Everest Re Group, Ltd. Annual Incentive Plan effective January 1, 1999, incorporated herein by reference to Exhibit 10.1 to Everest Reinsurance Holdings, Inc. Annual Report on Form 10-K for the year ended December 31, 1998 (the “1998 10-K”)
- *10.2 Everest Re Group, Ltd. 2003 Non-Employee Director Equity Compensation Plan, incorporated herein by reference to Exhibit 4.1 to the Registration Statement on Form S-8 (No. 333-105483)
- *10.3 Form of Non-Qualified Stock Option Award Agreement under the Everest Re Group, Ltd. 2003 Non-Employee Director Equity Compensation Plan, incorporated herein by reference to Exhibit 10.47 to Everest Re Group, Ltd., Report on Form 10-K for the year ended December 31, 2004
- *10.4 Amendment of Everest Re Group, Ltd. 2003 Non-Employee Director Equity Compensation Plan adopted by shareholders at the annual general meeting on May 25, 2005, incorporated herein by reference to Appendix B to the 2005 Proxy Statement filed on April 14, 2005
- *10.5 Form of Restricted Stock Award Agreement under the Everest Re Group, Ltd. 2003 Non-Employee Director Equity Compensation Plan, incorporated by reference to Exhibit 10.1 to Everest Re Group, Ltd. Form 8-K filed on September 22, 2005
10. 6 Completion of Tender Offer relating to Everest Reinsurance Holdings, Inc. 6.60% Fixed to Floating Rate Long Term Subordinated Notes (LoTSSM) dated March 19, 2009, incorporated herein by reference to Exhibit 99.1 to Everest Re Group, Ltd. Form 8-K filed on March 31, 2009
- *10.7 Everest Re Group, Ltd. 2009 Stock Option and Restricted Stock Plan for Non-Employee Directors incorporated herein by reference to Exhibit 10.1 to Everest Re Group, Ltd. second quarter 2009 10-Q

- *10.8 Everest Re Group, Ltd. 2010 Stock Incentive Plan for employees is incorporated herein by reference to exhibit 10.2 to Everest Re Group, Ltd. Form S-8 filed on September 30, 2010
- Amendment of Executive Performance Annual Incentive Plan adopted by shareholders at the annual general
- *10.9 meeting on May 18, 2011, incorporated herein by reference to Appendix B to the 2011 Proxy Statement filed on April 15, 2011
- Credit Agreement, dated June 22, 2012, between Everest Re Group, Ltd., Everest Reinsurance (Bermuda), Ltd. and Everest International Reinsurance, Ltd., certain lenders party thereto and Wells Fargo Bank, N.A. as
10. 10 administrative agent, providing for an \$800.0 million four year senior credit facility, incorporated herein by reference to Exhibit 10.31 to Everest Re Group, Ltd. Form 10-Q filed on August 9, 2012. This new agreement replaces the July 27, 2007 five year, \$850.0 million senior credit facility
- Chairmanship agreement between Everest Re Group, Ltd. and Joseph V. Taranto, dated June 19, 2013 and
- *10.11 effective January 1, 2014, incorporated herein by reference to Exhibit 10.1 to Everest Re Group, Ltd. Form 8-K filed on June 24, 2013
- Employment agreement between Everest Global Services, Inc., and Sanjoy Mukherjee, dated September 1,
- *10.12 2013, incorporated herein by reference to Exhibit 10.1 to Everest Re Group, Ltd. Form 8-K filed on August 16, 2013
- Employment agreement between Everest Global Services, Inc., and John P. Doucette, dated September 1,
- *10.13 2013, incorporated herein by reference to Exhibit 10.1 to Everest Re Group, Ltd. Form 8-K filed on September 13, 2013
- Employment agreement between Everest Reinsurance (Bermuda), Ltd. and Mark S. deSaram, dated
- *10.14 September 24, 2014, incorporated herein by reference to Exhibit 10.1 to Everest Re Group, Ltd. Form 8-K filed on September 29, 2014
- Amendment of Everest Re Group, Ltd. 2010 Stock Incentive Plan adopted by shareholders at the annual
- *10.15 general meeting on May 13, 2015, incorporated herein by reference to Appendix A to the 2015 Proxy Statement filed on April 10, 2015
- Amendment of Everest Re Group, Ltd. 2003 Non-Employee Director Equity Compensation Plan adopted by
- *10.16 shareholders at the annual general meeting on May 13, 2015, incorporated herein by reference to Appendix B to the 2015 Proxy Statement filed on April 10, 2015
- Employment agreement between Everest Global Services, Inc., Everest Reinsurance Holdings Inc. and
- *10.17 Dominic J. Adesso, dated December 4, 2015, incorporated herein by reference to Exhibit 10.1 to Everest Re Group, Ltd. Form 8-K filed on December 8, 2015
- Standby Letter of Credit, dated November 9, 2015, between Everest International Reinsurance, Ltd. and
10. 18 Lloyds Bank, Plc. providing £175.0 million four year credit facility, incorporated herein by reference to Exhibit 10.23 to Everest Re Group, Ltd. Annual Report on Form 10-K- for the year ended December 31, 2015 filed on February 29, 2016
- Amendment of employment agreement between Everest Global Services, Inc. and Sanjoy Mukherjee, dated
- *10.19 February 12, 2016, incorporated herein by reference to Exhibit 10.1 to Everest Re Group, Ltd. Form 8-K filed on February 17, 2016

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Amendment of employment agreement between Everest Global Services, Inc. and John P. Doucette, dated
*10.20 February 16, 2016, incorporated herein by reference to Exhibit 10.1 to Everest Re Group, Ltd. Form 8-K filed
on February 17, 2016

*10.21 Employment agreement between Everest Global Services, Inc. and Craig Howie, dated April 7, 2016,
incorporated herein by reference to Exhibit 10.1 to Everest Re Group, Ltd. Form 8-K filed on April 8, 2016

E-2

- Credit Agreement, dated May 26, 2016, between Everest Re Group, Ltd., Everest Reinsurance (Bermuda), Ltd. and Everest International Reinsurance, Ltd., certain lenders party thereto and Wells Fargo Bank, N.A. as administrative agent, providing for an \$800.0 million four year senior credit facility, incorporated herein by reference to Exhibit 10.31 to Everest Re Group, Ltd. Form 10-Q filed on August 9, 2016. This new agreement replaces the June 22, 2012 four year, \$800.0 million senior credit facility
- Chairmanship agreement between Everest Re Group, Ltd. and Joseph V. Taranto, dated August 15, 2016 and effective January 1, 2017, incorporated herein by reference to Exhibit 10.1 to Everest Re Group, Ltd. Form 8-K filed on August 16, 2016
- Employment agreement between Everest Global Services, Inc., and John P. Doucette, dated October 21, 2016, incorporated herein by reference to Exhibit 10.1 to Everest Re Group, Ltd. Form 8-K filed on October 26, 2016
- Amendment of Standby Letter of Credit, dated November 9, 2016, between Everest International Reinsurance, Ltd. and Lloyds Bank, Plc. providing £140.0 million four year credit facility, herein by reference to Exhibit 10.26 to Everest Re Group, Ltd., Form 10-K filed on March 1, 2017
- Amendment of Standby Letter of Credit, dated December 30, 2016, between Everest Reinsurance (Bermuda), Ltd. and Citibank Europe plc providing \$200.0 million four year credit facility, herein by reference to Exhibit 10.27 to Everest Re Group, Ltd., Form 10-K filed on March 1, 2017
- Employment agreement between Everest Global Services, Inc., and Sanjoy Mukherjee, dated January 3, 2017, incorporated herein by reference to Exhibit 10.1 to Everest Re Group, Ltd. Form 8-K filed on January 6, 2017
- Amendment of Standby Letter of Credit, dated May 17, 2017, between Everest International Reinsurance, Ltd. and Lloyds Bank, Plc. providing £145.0 million four year credit facility, herein by reference to Exhibit 10.1 to Everest Re Group, Ltd., Form 10-Q filed on August 9, 2017
- Employment agreement between Everest Re Group, Ltd., and Jonathan Zaffino dated September 8, 2017, incorporated herein by reference to Exhibit 10.1 to Everest Re Group, Ltd. Form 8-K filed on September 12, 2017
- Amendment of employment agreement between Everest Global Services, Inc., Everest Re Group, Ltd., Everest Reinsurance Holdings Inc. and Dominic J. Adesso, dated November 20, 2017, incorporated herein by reference to Exhibit 10.1 to Everest Re Group, Ltd. Form 8-K filed on November 20, 2017
- Bye-Law waiver agreement between Everest Re Group, Ltd., and BlackRock, Inc. dated December 1, 2017, incorporated herein by reference to exhibit 10.1 to the Everest Re Group, Ltd., Form 8-K filed on December 4, 2017
- Amendment of Standby Letter of Credit, dated December 29, 2017, between Everest Reinsurance (Bermuda), Ltd. and Citibank Europe plc providing \$250.0 million four year credit facility, incorporated herein by reference to exhibit 10.26 to the Everest Re Group, Ltd., Form 10-K filed on March 1, 2018
- Amendment of Standby Letter of Credit, dated November 9, 2018, between Everest International Reinsurance, Ltd. and Lloyds Bank, Plc. providing £30.0 million four year credit facility, filed herewith

- 10. 34 Amendment of Committed Facility Letter, dated December 10, 2018, between Everest Reinsurance (Bermuda), Ltd. and Citibank Europe plc providing \$200.0 million annually, filed herewith
- 21. 1 Subsidiaries of the registrant, filed herewith
- 23. 1 Consent of PricewaterhouseCoopers LLP, filed herewith
- 31. 1 Section 302 Certification of Dominic J. Addesso, filed herewith
- 31. 2 Section 302 Certification of Craig Howie, filed herewith
- 32. 1 Section 906 Certification of Dominic J. Addesso and Craig Howie, furnished herewith

101.INS XBRL Instance Document

101.SCHXBRL Taxonomy Extension Schema

101.CALXBRL Taxonomy Extension Calculation Linkbase

101.DEF XBRL Taxonomy Extension Definition Linkbase

101.LABXBRL Taxonomy Extension Label Linkbase

101.PRE XBRL Taxonomy Extension Presentation Linkbase

* Management contract or compensatory plan or arrangement.

E-4

EVEREST RE GROUP, LTD.

INDEX TO FINANCIAL
STATEMENTS AND
SCHEDULES

| | <u>Pages</u> |
|--|--------------|
| Report of Independent Registered Public Accounting Firm | F-2 |
| Consolidated Balance Sheets at December 31, 2018 and 2017 | F-4 |
| Consolidated Statements of Operations and Comprehensive Income (Loss) for the Years Ended December 31, 2018, 2017 and 2016 | F-5 |
| Consolidated Statements of Changes in Shareholders' Equity for the Years Ended December 31, 2018, 2017 and 2016 | F-6 |
| Consolidated Statements of Cash Flows for the Years Ended December 31, 2018, 2017 and 2016 | F-7 |
| Notes to Consolidated Financial Statements | F-8 |
| Schedules | |
| I Summary of Investments Other Than Investments in Related Parties at | S-1 |

December 31, 2018

II Condensed
Financial
Information of
Registrant:

Balance
Sheets as of
December 31, 2018
and 2017 S-2

Statements
of
Operations
for the
Years Ended
December 31, 2018,
2017 and
2016 S-3

Statements
of Cash
Flows for
the Years
Ended
December 31, 2018,
2017 and
2016 S-4

Notes to
Condensed
Financial
Information S-5

III Supplementary
Insurance
Information for the
Years Ended
December 31, 2018,
2017 and
2016 S-6

IV Reinsurance for the
Years Ended
December 31, 2018, S-7

2017 and 2016

Schedules other than those listed above are omitted for the reason that they are not applicable or the information is otherwise contained in the Financial Statements.

F-1

Report of Independent Registered Public Accounting Firm

To the Board of Directors and Shareholders
of Everest Re Group, Ltd.:

Opinions on the Financial Statements and Internal Control over Financial Reporting

We have audited the accompanying consolidated balance sheets of Everest Re Group, Ltd. and its subsidiaries (the “Company”) as of December 31, 2018 and 2017, and the related consolidated statements of operations and comprehensive income (loss), of changes in shareholders’ equity and of cash flows for each of the three years in the period ended December 31, 2018, including the related notes and financial statement schedules listed in the index appearing on page F-1 (collectively referred to as the “consolidated financial statements”). We also have audited the Company's internal control over financial reporting as of December 31, 2018, based on criteria established in Internal Control - Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of the Company as of December 31, 2018 and 2017, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2018 in conformity with accounting principles generally accepted in the United States of America. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2018 based on criteria established in Internal Control - Integrated Framework (2013) issued by the COSO.

Basis for Opinions

The Company's management is responsible for these consolidated financial statements, for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting, included in Management's Report on Internal Control over Financial Reporting appearing under Item 9A. Our responsibility is to express opinions on the Company’s consolidated financial statements and on the Company's internal control over financial reporting based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud, and whether effective internal control over financial reporting was maintained in all material respects.

Our audits of the consolidated financial statements included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide

a reasonable basis for our opinions.

F-2

Definition and Limitations of Internal Control over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ PricewaterhouseCoopers LLP
New York, New York
March 1, 2019

We have served as the Company's or its predecessor's auditor since 1996.

EVEREST RE GROUP, LTD.
CONSOLIDATED BALANCE SHEETS

| (Dollars and share amounts in thousands, except par value per share) | December 31, | |
|--|---------------------|---------------------|
| | 2018 | 2017 |
| ASSETS: | | |
| Fixed maturities - available for sale, at market value (amortized cost: 2018, \$15,406,572; 2017, \$14,689,598) | \$15,225,263 | \$14,756,834 |
| Fixed maturities - available for sale, at Fair value | 2,337 | - |
| Equity securities, at market value (cost: 2018, \$0; 2017, \$130,287) | - | 129,530 |
| Equity securities, at fair value | 716,639 | 963,572 |
| Short-term investments (cost: 2018, \$241,010; 2017, \$509,682) | 240,987 | 509,682 |
| Other invested assets (cost: 2018, \$1,591,745; 2017, \$1,628,753) | 1,591,745 | 1,631,850 |
| Cash | 656,095 | 635,067 |
| Total investments and cash | 18,433,066 | 18,626,535 |
| Accrued investment income | 104,619 | 97,704 |
| Premiums receivable | 2,218,283 | 1,844,881 |
| Reinsurance receivables | 1,787,648 | 1,348,226 |
| Funds held by reinsureds | 445,040 | 292,927 |
| Deferred acquisition costs | 511,573 | 411,587 |
| Prepaid reinsurance premiums | 343,343 | 288,211 |
| Income taxes | 592,385 | 299,438 |
| Other assets | 358,042 | 382,283 |
| TOTAL ASSETS | \$24,793,999 | \$23,591,792 |
| LIABILITIES: | | |
| Reserve for losses and loss adjustment expenses | \$13,119,090 | 11,884,321 |
| Future policy benefit reserve | 46,778 | 51,014 |
| Unearned premium reserve | 2,517,612 | 2,000,556 |
| Funds held under reinsurance treaties | 13,099 | 18,030 |
| Other net payable to reinsurers | 218,439 | 218,017 |
| Senior notes due 6/1/2044 | 396,954 | 396,834 |
| Long term notes due 5/1/2067 | 236,659 | 236,561 |
| Accrued interest on debt and borrowings | 3,093 | 2,727 |
| Equity index put option liability | 11,958 | 12,477 |
| Unsettled securities payable | 51,112 | 38,743 |
| Other liabilities | 275,401 | 363,280 |
| Total liabilities | 16,890,195 | 15,222,560 |
| Commitments and contingencies (Note 15) | | |
| SHAREHOLDERS' EQUITY: | | |
| Preferred shares, par value: \$0.01; 50,000 shares authorized; no shares issued and outstanding | - | - |
| Common shares, par value: \$0.01; 200,000 shares authorized; (2018) 69,202 and (2017) 69,044 outstanding before treasury shares | 692 | 691 |
| Additional paid-in capital | 2,188,777 | 2,165,768 |
| Accumulated other comprehensive income (loss), net of deferred income tax expense | | |

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| | | |
|---|---------------------|---------------------|
| (benefit) of (\$20,697) at 2018 and \$9,356 at 2017 | (462,557) | (160,891) |
| Treasury shares, at cost; 28,551 shares (2018) and 28,208 shares (2017) | (3,397,548) | (3,322,244) |
| Retained earnings | 9,574,440 | 9,685,908 |
| Total shareholders' equity | 7,903,804 | 8,369,232 |
| TOTAL LIABILITIES AND SHAREHOLDERS' EQUITY | \$24,793,999 | \$23,591,792 |

The accompanying notes are an integral part of the consolidated financial statements.

F-4

EVEREST RE GROUP, LTD.
CONSOLIDATED STATEMENTS OF OPERATIONS
AND COMPREHENSIVE INCOME (LOSS)

| (Dollars in thousands, except per share amounts) | Years Ended December 31, | | |
|--|--------------------------|-------------|--------------|
| | 2018 | 2017 | 2016 |
| REVENUES: | | | |
| Premiums earned | \$6,931,699 | \$5,937,840 | \$5,320,466 |
| Net investment income | 581,183 | 542,898 | 473,085 |
| Net realized capital gains (losses): | | | |
| Other-than-temporary impairments on fixed maturity securities | (8,110) | (7,093) | (31,595) |
| Other-than-temporary impairments on fixed maturity securities transferred to other comprehensive income (loss) | - | - | - |
| Other net realized capital gains (losses) | (119,026) | 160,287 | 24,379 |
| Total net realized capital gains (losses) | (127,136) | 153,194 | (7,216) |
| Net derivative gain (loss) | 520 | 9,581 | 18,647 |
| Other income (expense) | (9,060) | (35,442) | (10,636) |
| Total revenues | 7,377,206 | 6,608,071 | 5,794,346 |
| CLAIMS AND EXPENSES: | | | |
| Incurred losses and loss adjustment expenses | 5,651,403 | 4,522,581 | 3,139,629 |
| Commission, brokerage, taxes and fees | 1,519,030 | 1,303,963 | 1,188,692 |
| Other underwriting expenses | 371,541 | 318,817 | 302,722 |
| Corporate expenses | 30,672 | 25,923 | 27,231 |
| Interest, fees and bond issue cost amortization expense | 31,031 | 31,603 | 36,228 |
| Total claims and expenses | 7,603,677 | 6,202,887 | 4,694,502 |
| INCOME (LOSS) BEFORE TAXES | (226,471) | 405,184 | 1,099,844 |
| Income tax expense (benefit) | (330,023) | (63,784) | 103,500 |
| NET INCOME (LOSS) | \$ 103,552 | \$ 468,968 | \$ 996,344 |
| Other comprehensive income (loss), net of tax: | | | |
| Unrealized appreciation (depreciation) ("URA(D)") on securities arising during the period | (255,656) | (64,348) | 57,629 |
| Reclassification adjustment for realized losses (gains) included in net income (loss) | 27,496 | (6,950) | 15,118 |
| Total URA(D) on securities arising during the period | (228,160) | (71,298) | 72,747 |
| Foreign currency translation adjustments | (76,816) | 121,917 | (55,341) |
| Benefit plan actuarial net gain (loss) for the period | (510) | 1,027 | (7,488) |
| Reclassification adjustment for amortization of net (gain) loss included in net income (loss) | 5,021 | 5,477 | 5,073 |
| Total benefit plan net gain (loss) for the period | 4,511 | 6,504 | (2,415) |
| Total other comprehensive income (loss), net of tax | (300,465) | 57,123 | 14,991 |
| COMPREHENSIVE INCOME (LOSS) | \$ (196,913) | \$ 526,091 | \$ 1,011,335 |

EARNINGS PER COMMON SHARE:

| | | | |
|---------|--------|---------|---------|
| Basic | \$2.54 | \$11.43 | \$23.85 |
| Diluted | 2.53 | 11.36 | 23.68 |

The accompanying notes are an integral part of the consolidated financial statements.

F-5

EVEREST RE GROUP, LTD.
CONSOLIDATED STATEMENTS OF
CHANGES IN SHAREHOLDERS' EQUITY

| (Dollars in thousands, except share and dividends per share amounts) | Years Ended December 31, | | |
|--|--------------------------|--------------------|--------------------|
| | 2018 | 2017 | 2016 |
| COMMON SHARES (shares outstanding): | | | |
| Balance, beginning of period | 40,835,272 | 40,898,864 | 42,694,252 |
| Issued during the period, net | 158,055 | 172,901 | 264,313 |
| Treasury shares acquired | (342,179) | (236,493) | (2,059,701) |
| Balance, end of period | 40,651,148 | 40,835,272 | 40,898,864 |
| COMMON SHARES (par value): | | | |
| Balance, beginning of period | \$691 | \$689 | \$686 |
| Issued during the period, net | 1 | 2 | 3 |
| Balance, end of period | 692 | 691 | 689 |
| ADDITIONAL PAID-IN CAPITAL: | | | |
| Balance, beginning of period | 2,165,768 | 2,140,783 | 2,103,638 |
| Share-based compensation plans | 23,009 | 24,985 | 37,145 |
| Balance, end of period | 2,188,777 | 2,165,768 | 2,140,783 |
| ACCUMULATED OTHER COMPREHENSIVE INCOME (LOSS), NET OF DEFERRED INCOME TAXES: | | | |
| Balance, beginning of period | (160,891) | (216,764) | (231,755) |
| Change to beginning balance due to adoption of Accounting Standards Update 2016-01 | (1,201) | - | - |
| Reclass due to early adoption of Accounting Standards Update 2018-02 | - | (1,250) | - |
| Net increase (decrease) during the period | (300,465) | 57,123 | 14,991 |
| Balance, end of period | (462,557) | (160,891) | (216,764) |
| RETAINED EARNINGS: | | | |
| Balance, beginning of period | 9,685,908 | 9,422,932 | 8,621,972 |
| Change to beginning balance due to adoption of Accounting Standards Update 2016-01 | 1,201 | - | - |
| Reclass due to early adoption of Accounting Standards Update 2018-02 | - | 1,250 | - |
| Net income (loss) | 103,552 | 468,968 | 996,344 |
| Dividends declared (\$5.30 per share in 2018, \$5.05 per share in 2017 and \$4.70 per share in 2016) | (216,221) | (207,242) | (195,384) |
| Balance, end of period | 9,574,440 | 9,685,908 | 9,422,932 |
| TREASURY SHARES AT COST: | | | |
| Balance, beginning of period | (3,322,244) | (3,272,244) | (2,885,956) |
| Purchase of treasury shares | (75,304) | (50,000) | (386,288) |
| Balance, end of period | (3,397,548) | (3,322,244) | (3,272,244) |
| TOTAL SHAREHOLDERS' EQUITY, END OF PERIOD | \$7,903,804 | \$8,369,232 | \$8,075,396 |

The accompanying notes are an integral part of the consolidated financial statements.

F-6

EVEREST RE GROUP, LTD.
CONSOLIDATED STATEMENTS OF CASH FLOWS

| (Dollars in thousands) | Years Ended December 31, | | |
|---|--------------------------|-------------|-------------|
| | 2018 | 2017 | 2016 |
| CASH FLOWS FROM OPERATING ACTIVITIES: | | | |
| Net income (loss) | \$ 103,552 | \$ 468,968 | \$ 996,344 |
| Adjustments to reconcile net income to net cash provided by operating activities: | | | |
| Decrease (increase) in premiums receivable | (392,981) | (338,335) | (15,655) |
| Decrease (increase) in funds held by reinsureds, net | (159,344) | (31,104) | 22,219 |
| Decrease (increase) in reinsurance receivables | (511,592) | (238,485) | (202,950) |
| Decrease (increase) in income taxes | (263,865) | (114,521) | 54,526 |
| Decrease (increase) in prepaid reinsurance premiums | (65,925) | (86,049) | (32,455) |
| Increase (decrease) in reserve for losses and loss adjustment expenses | 1,377,711 | 1,376,321 | 545,967 |
| Increase (decrease) in future policy benefit reserve | (4,236) | (4,060) | (3,836) |
| Increase (decrease) in unearned premiums | 542,023 | 401,174 | (22,072) |
| Increase (decrease) in other net payable to reinsurers | 12,276 | 10,071 | 26,200 |
| Increase (decrease) in losses in course of payment | 123,209 | (105,371) | (45,933) |
| Change in equity adjustments in limited partnerships | (102,052) | (82,713) | (37,939) |
| Distribution of limited partnership income | 84,623 | 50,825 | 62,008 |
| Change in other assets and liabilities, net | (322,107) | (66,998) | (45,605) |
| Non-cash compensation expense | 32,369 | 30,297 | 26,398 |
| Amortization of bond premium (accrual of bond discount) | 29,272 | 45,867 | 49,167 |
| Net realized capital (gains) losses | 127,136 | (153,194) | 7,216 |
| Net cash provided by (used in) operating activities | 610,069 | 1,162,693 | 1,383,600 |
| CASH FLOWS FROM INVESTING ACTIVITIES: | | | |
| Proceeds from fixed maturities matured/called - available for sale, at market value | 1,973,652 | 2,160,298 | 1,919,808 |
| Proceeds from fixed maturities sold - available for sale, at market value | 3,148,428 | 2,401,844 | 1,258,434 |
| Proceeds from fixed maturities sold - available for sale, at fair value | 1,751 | - | 5,837 |
| Proceeds from equity securities sold, at market value | - | 19,574 | 6,423 |
| Proceeds from equity securities sold, at fair value | 1,199,409 | 631,859 | 723,359 |
| Distributions from other invested assets | 3,102,018 | 5,579,043 | 4,823,484 |
| Proceeds from sale of subsidiary (net of cash disposed) | - | - | 47,721 |
| Cost of fixed maturities acquired - available for sale, at market value | (5,909,504) | (5,131,098) | (4,061,896) |
| Cost of fixed maturities acquired - available for sale, at fair value | (4,381) | - | (3,940) |
| Cost of equity securities acquired, at market value | - | (22,033) | (12,538) |
| Cost of equity securities acquired, at fair value | (921,937) | (438,641) | (346,929) |
| Cost of other invested assets acquired | (3,370,455) | (5,829,271) | (5,396,001) |
| Net change in short-term investments | 455,350 | (73,923) | 368,977 |
| Net change in unsettled securities transactions | 46,048 | (30,229) | 9,388 |
| Net cash provided by (used in) investing activities | (279,621) | (732,577) | (657,873) |
| CASH FLOWS FROM FINANCING ACTIVITIES: | | | |
| Common shares issued during the period for share-based compensation, net of expense | (8,157) | (5,310) | 10,751 |
| Purchase of treasury shares | (75,304) | (50,000) | (386,288) |

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| | | | |
|---|--------------|-----------------|---------------|
| Dividends paid to shareholders | (216,221) | (207,242) | (195,384) |
| Cost of shares withheld on settlements of share-based compensation awards | (16,912) | (12,906) | (10,595) |
| Net cash provided by (used in) financing activities | (316,594) | (275,458) | (581,516) |
| EFFECT OF EXCHANGE RATE CHANGES ON CASH | 7,174 | (1,513) | 54,053 |
| Net increase (decrease) in cash | 21,028 | 153,145 | 198,264 |
| Cash, beginning of period | 635,067 | 481,922 | 283,658 |
| Cash, end of period | \$656,095 | \$635,067 | \$481,922 |
| SUPPLEMENTAL CASH FLOW INFORMATION: | | | |
| Income taxes paid (recovered) | \$(65,064) | \$53,743 | \$42,636 |
| Interest paid | 30,447 | 32,194 | 36,010 |
| NON-CASH TRANSACTIONS: | | | |
| Reclassification of investment balances due to prospective consolidation of private placement liquidity sweep facility effective July 1, 2018 | | | |
| Fixed maturities - available for sale, at market value | \$143,656 | \$- | \$- |
| Short-term investments | 243,864 | - | - |
| Other invested assets | (387,520) | - | - |

The accompanying notes are an integral part of the consolidated financial statements.

F-7

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Years Ended December 31, 2018, 2017 and 2016

1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

A. Business and Basis of Presentation.

Everest Re Group, Ltd. ("Group"), a Bermuda company, through its subsidiaries, principally provides reinsurance and insurance in the U.S., Bermuda and international markets. As used in this document, "Company" means Group and its subsidiaries.

During the fourth quarter of 2017, the Company established a new Irish insurance subsidiary, Everest Insurance (Ireland), designated activity company ("Ireland Insurance"), which will write insurance business mainly in the European markets.

During the third quarter of 2016, the Company established domestic subsidiaries, Everest Premier Insurance Company ("Everest Premier") and Everest Denali Insurance Company ("Everest Denali"), which are used in the continued expansion of the Insurance operations.

Effective August 24, 2016, the Company sold its wholly-owned subsidiary, Heartland Crop Insurance Company ("Heartland"), a managing agent for crop insurance, to CGB Diversified Services, Inc. ("CGB"). The operating results of Heartland through August 24, 2016, are included within the Company's financial statements.

Effective July 1, 2016, the Company established a new Irish holding company, Everest Dublin Insurance Holdings Limited (Ireland) ("Everest Dublin Holdings").

The accompanying consolidated financial statements have been prepared in conformity with accounting principles generally accepted in the United States of America ("GAAP"). The statements include all of the following domestic and foreign direct and indirect subsidiaries of Group: Everest International Reinsurance, Ltd. ("Everest International"), Mt. Logan Insurance Managers, Ltd., Mt. Logan Management, Ltd., Everest International Holdings (Bermuda), Ltd. ("International Holdings"), Everest Corporate Member Limited, Everest Service Company (UK), Ltd., Everest Preferred International Holdings, Ltd. ("Preferred International"), Everest Reinsurance (Bermuda), Ltd. ("Bermuda Re"), Everest Re Advisors, Ltd., Everest Advisors (UK), Ltd., Everest Underwriting Group (Ireland), Limited ("Holdings Ireland"), Everest Global Services, Inc. ("Global Services"), Everest Insurance Company of Canada ("Everest Canada"), Premiere Insurance Underwriting Services ("Premiere"), Everest Dublin Holdings, Ireland Insurance, Everest Reinsurance Company (Ireland), designated activity company ("Ireland Re"), Everest Reinsurance Holdings, Inc. ("Holdings"), Heartland, Everest International Assurance, Ltd. (Bermuda) ("Everest Assurance"), Specialty Insurance Group, Inc. ("Specialty"), Specialty Insurance Group - Leisure and Entertainment Risk Purchasing Group LLC ("Specialty RPG"), Mt. McKinley Managers, L.L.C., Everest Specialty Underwriters Services, LLC, Everest Reinsurance Company ("Everest Re"), Everest National Insurance Company ("Everest National"), Everest Reinsurance Company Ltda. (Brazil), Mt. Whitney Securities, Inc., Everest Indemnity Insurance Company ("Everest Indemnity"), Everest Denali, Everest Premier and Everest Security Insurance Company ("Everest Security"). All amounts are reported in U.S. dollars.

The Company consolidates the results of operations and financial position of all voting interest entities ("VOE") in which the Company has a controlling financial interest and all variable interest entities ("VIE") in which the Company is considered to be the primary beneficiary. The consolidation assessment, including the determination as to whether an entity qualifies as a VIE or VOE, depends on the facts and circumstances surrounding each entity.

Effective January 1, 2016, the Company adopted Accounting Standards Update ("ASU") 2015-02, "Consolidation (Topic 810) Amendments to the Consolidation Analysis" issued by the United States Financial Accounting Standards Board ("FASB"), which changed the method in which the Company determines whether entities are consolidated by the

Company. The adoption of this amended accounting guidance was implemented utilizing a full retrospective application for prior periods.

F-8

The amended guidance includes changes in the identification of the primary beneficiary of companies considered to be VIEs. These changes resulted in the Company concluding that Mt. Logan Re, Ltd. (Bermuda) (“Mt. Logan Re”) is a VIE given it has insufficient equity at risk and that each underlying separate segregated account is likewise a VIE. The Company has concluded that it is the primary beneficiary of Mt. Logan Re, but not of the underlying separate segregated accounts and therefore has deconsolidated these segregated accounts. This change had no impact to the net income or retained earnings of the Company.

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. Ultimate actual results could differ, possibly materially, from those estimates.

All intercompany accounts and transactions have been eliminated.

Certain reclassifications and format changes have been made to prior years’ amounts to conform to the 2018 presentation.

B. Investments.

Fixed maturity investments available for sale, at market value, reflect unrealized appreciation and depreciation, as a result of temporary changes in market value during the period, in shareholders’ equity, net of income taxes in “accumulated other comprehensive income (loss)” in the consolidated balance sheets. Fixed maturity and equity securities carried at fair value reflect fair value re-measurements as net realized capital gains and losses in the consolidated statements of operations and comprehensive income (loss). The Company records changes in fair value for its fixed maturities available for sale, at market value through shareholders’ equity, net of taxes in accumulated other comprehensive income (loss) since cash flows from these investments will be primarily used to settle its reserve for losses and loss adjustment expense liabilities. The Company anticipates holding these investments for an extended period as the cash flow from interest and maturities will fund the projected payout of these liabilities. As of January 1, 2018, the Company carries all of its equity securities at fair value. For equity securities, at fair value, the Company reflects changes in value as net realized capital gains and losses since these securities may be sold in the near term depending on financial market conditions. Interest income on all fixed maturities and dividend income on all equity securities are included as part of net investment income in the consolidated statements of operations and comprehensive income (loss). Unrealized losses on fixed maturities, which are deemed other-than-temporary and related to the credit quality of a security, are charged to net income (loss) as net realized capital losses. Short-term investments are stated at cost, which approximates market value. Realized gains or losses on sales of investments are determined on the basis of identified cost. For some non-publicly traded securities, market prices are determined through the use of pricing models that evaluate securities relative to the U.S. Treasury yield curve, taking into account the issue type, credit quality, and cash flow characteristics of each security. For other non-publicly traded securities, investment managers’ valuation committees will estimate fair value and in many instances, these fair values are supported with opinions from qualified independent third parties. All fair value estimates from investment managers are reviewed by the Company for reasonableness. For publicly traded securities, market value is based on quoted market prices or valuation models that use observable market inputs. When a sector of the financial markets is inactive or illiquid, the Company may use its own assumptions about future cash flows and risk-adjusted discount rates to determine fair value. Retrospective adjustments are employed to recalculate the values of asset-backed securities. Each acquisition lot is reviewed to recalculate the effective yield. The recalculated effective yield is used to derive a book value as if the new yield were applied at the time of acquisition. Outstanding principal factors from the time of acquisition to the adjustment date are used to calculate the prepayment history for all applicable securities. Conditional prepayment rates, computed with life to date factor histories and weighted average maturities, are used to effect the calculation of projected and prepayments for pass-through security types. Other invested assets include limited partnerships, rabbi trusts and prior to July 1, 2018, a private placement liquidity sweep facility. Cash contributions to and cash distributions from the sweep facility were reported gross in cash flows from investing

activities in the consolidated statements of cash flows. Limited partnerships are accounted for under the equity method of accounting, which can be recorded on a monthly or quarterly lag.

F-9

C. Uncollectible Receivable Balances.

The Company provides reserves for uncollectible reinsurance recoverable and premium receivable balances based on management's assessment of the collectability of the outstanding balances. Such reserves are presented in the table below for the periods indicated.

| (Dollars in thousands) | Years Ended December 31, | |
|---|--------------------------|-----------|
| | 2018 | 2017 |
| Reinsurance receivables and premium receivables | \$ 25,611 | \$ 23,473 |

D. Deferred Acquisition Costs.

Acquisition costs, consisting principally of commissions and brokerage expenses and certain premium taxes and fees incurred at the time a contract or policy is issued and that vary with and are directly related to the Company's reinsurance and insurance business, are deferred and amortized over the period in which the related premiums are earned. Deferred acquisition costs are limited to their estimated realizable value by line of business based on the related unearned premiums, anticipated claims and claim expenses and anticipated investment income. Deferred acquisition costs amortized to income are presented in the table below for the periods indicated.

| (Dollars in thousands) | Years Ended December 31, | | |
|----------------------------|--------------------------|--------------|--------------|
| | 2018 | 2017 | 2016 |
| Deferred acquisition costs | \$ 1,519,030 | \$ 1,303,963 | \$ 1,188,692 |

E. Reserve for Losses and Loss Adjustment Expenses.

The reserve for losses and loss adjustment expenses ("LAE") is based on individual case estimates and reports received from ceding companies. A provision is included for losses and LAE incurred but not reported ("IBNR") based on past experience. A provision is also included for certain potential liabilities relating to asbestos and environmental ("A&E") exposures, for which liabilities cannot be estimated using traditional reserving techniques. See also Note 3. The reserves are reviewed periodically and any changes in estimates are reflected in earnings in the period the adjustment is made. The Company's loss and LAE reserves represent management's best estimate of the ultimate liability. Loss and LAE reserves are presented gross of reinsurance receivables and incurred losses and LAE are presented net of reinsurance.

Accruals for commissions are established for reinsurance contracts that provide for the stated commission percentage to increase or decrease based on the loss experience of the contract. Changes in estimates for such arrangements are recorded as commission expense. Commission accruals for contracts with adjustable features are estimated based on expected loss and LAE.

F. Future Policy Benefit Reserve.

Liabilities for future policy benefits on annuity policies are carried at their accumulated values. Reserves for policy benefits include mortality claims in the process of settlement and IBNR claims. Actual experience in a particular period may fluctuate from expected results.

G. Premium Revenues.

Written premiums are earned ratably over the periods of the related insurance and reinsurance contracts. Unearned premium reserves are established relative to the unexpired contract period. For reinsurance contracts, such reserves are established based upon reports received from ceding companies or estimated using pro rata methods based on statistical data. Reinstatement premiums represent additional premium received on reinsurance coverages, most

prevalently catastrophe related, when limits have been depleted under the original reinsurance contract and additional coverage is granted. Written and earned premiums and the related costs, which have not yet been reported to the Company, are estimated and accrued. Premiums are net of ceded reinsurance.

F-10

H. Prepaid Reinsurance Premiums.

Prepaid reinsurance premiums represent unearned premium reserves ceded to other reinsurers. Prepaid reinsurance premiums for any foreign reinsurers comprising more than 10% of the outstanding balance at December 31, 2018 were secured either through collateralized trust arrangements, rights of offset or letters of credit, thereby limiting the credit risk to the Company.

I. Income Taxes.

Holdings and its wholly-owned subsidiaries file a consolidated U.S. federal income tax return. Foreign subsidiaries and branches of subsidiaries file local tax returns as required. Group and subsidiaries not included in Holdings' consolidated tax return file separate company U.S. federal income tax returns as required. Deferred income taxes have been recorded to recognize the tax effect of temporary differences between the financial reporting and income tax bases of assets and liabilities, which arise because of differences between GAAP and income tax accounting rules.

J. Foreign Currency.

As a global entity, the Company transacts business in numerous currencies through business units located around the world. The base transactional currency for each business unit is determined by the local currency used for most economic activity in that area. Movements in exchange rates related to assets and liabilities at the business units between the original currency and the base currency are recorded through the consolidated statements of operations and comprehensive income (loss) in other income (expense), except for currency movements related to available for sale investments, which are excluded from net income (loss) and accumulated in shareholders' equity, net of deferred taxes.

The business units' base currency financial statements are translated to U.S. dollars using the exchange rates at the end of period for the balance sheets and the average exchange rates in effect for the reporting period for the income statements. Gains and losses resulting from translating the foreign currency financial statements, net of deferred income taxes, are excluded from net income loss and accumulated in shareholders' equity.

K. Earnings Per Common Share.

Basic earnings per share are calculated by dividing net income by the weighted average number of common shares outstanding. Diluted earnings per share reflect the potential dilution that would occur if options granted under various share-based compensation plans were exercised resulting in the issuance of common shares that would participate in the earnings of the entity.

Net income (loss) per common share has been computed as per below, based upon weighted average common basic and dilutive shares outstanding.

| (Dollars in thousands, except per share amounts) | Years Ended December 31, | | |
|---|--------------------------|-----------|-----------|
| | 2018 | 2017 | 2016 |
| Net income (loss) per share: | | | |
| Numerator | | | |
| Net income (loss) | \$103,552 | \$468,968 | \$996,344 |
| Less: dividends declared-common shares and nonvested common shares | (216,221) | (207,242) | (195,384) |
| Undistributed earnings | (112,669) | 261,725 | 800,960 |
| Percentage allocated to common shareholders ⁽¹⁾ | 99.0 % | 98.9 % | 98.9 % |
| | (111,490) | 258,952 | 792,415 |
| Add: dividends declared-common shareholders | 214,088 | 205,182 | 193,413 |
| Numerator for basic and diluted earnings per common share | \$102,598 | \$464,134 | \$985,829 |
| Denominator | | | |
| Denominator for basic earnings per weighted-average common shares | 40,388 | 40,595 | 41,329 |
| Effect of dilutive securities: | | | |
| Options | 198 | 248 | 300 |
| Denominator for diluted earnings per adjusted weighted-average common shares | 40,586 | 40,843 | 41,628 |
| Per common share net income (loss) | | | |
| Basic | \$2.54 | \$11.43 | \$23.85 |
| Diluted | \$2.53 | \$11.36 | \$23.68 |
| (1) Basic weighted-average common shares outstanding | 40,388 | 40,595 | 41,329 |
| Basic weighted-average common shares outstanding and nonvested common shares expected to vest | 40,816 | 41,030 | 41,774 |
| Percentage allocated to common shareholders | 99.0 % | 98.9 % | 98.9 % |

(Some amounts may not reconcile due to rounding.)

There were no anti-diluted options outstanding for the years ended December 31, 2018, 2017 and 2016.

All outstanding options expire on or between February 18, 2019 and September 19, 2022.

L. Segmentation.

The Company, through its subsidiaries, operates in four segments: U.S. Reinsurance, International, Bermuda and Insurance. See also Note 17.

M. Derivatives.

The Company sold seven equity index put option contracts, based on two indices, in 2001 and 2005. The Company sold these equity index put options as insurance products with the intent of achieving a profit. These equity index put option contracts meet the definition of a derivative under FASB guidance and the Company's position in these equity index put option contracts is unhedged. Accordingly, these equity index put option contracts are carried at fair value in the consolidated balance sheets with changes in fair value recorded in the consolidated statements of operations and comprehensive income (loss). One of these contracts expired on June 9, 2017, with no liability due under the terms of the contract.

F-12

The fair value of the equity index put options can be found in the Company's consolidated balance sheets as follows:

(Dollars in thousands)

| Derivatives not designated as hedging instruments | Location of fair value in balance sheets | At December 31, | |
|---|--|-----------------|----------|
| | | 2018 | 2017 |
| Equity index put option contracts | Equity index put option liability | \$11,958 | \$12,477 |
| Total | | \$11,958 | \$12,477 |

The change in fair value of the equity index put option contracts can be found in the Company's statement of operations and comprehensive income (loss) as follows:

(Dollars in thousands)

| Derivatives not designated as hedging instruments | Location of gain (loss) in statements of operations and comprehensive income (loss) | For the Years Ended December 31, | | |
|---|---|----------------------------------|----------|-----------|
| | | 2018 | 2017 | 2016 |
| Equity index put option contracts | Net derivative gain (loss) | \$ 520 | \$ 9,581 | \$ 18,647 |
| Total | | \$ 520 | \$ 9,581 | \$ 18,647 |

N. Deposit Assets and Liabilities.

In the normal course of its operations, the Company may enter into contracts that do not meet risk transfer provisions. Such contracts are accounted for using the deposit accounting method and are included in other liabilities in the Company's consolidated balance sheets. For such contracts, the Company originally records deposit liabilities for an amount equivalent to the assets received. Actuarial studies are used to estimate the final liabilities under such contracts with any change reflected in the consolidated statements of operations and comprehensive income (loss).

O. Share-Based Compensation.

Share-based compensation stock option, restricted share and performance share unit awards are fair valued at the grant date and expensed over the vesting period of the award. The tax benefit on the recorded expense is deferred until the time the award is exercised or vests (becomes unrestricted). See Note 16.

P. Application of Recently Issued Accounting Guidance.

Simplification of Disclosure Requirements. In August 2018, the Securities and Exchange Commission ("SEC") issued Final Rule Release #33-10532 ("the Rule") which addresses the simplification of the SEC's disclosure requirements for quarterly and annual financial reports. The main changes addressed by the Rule that are applicable to the Company are 1) elimination of the requirement to disclose dividend per share information on the face of the Statements of Operations and Comprehensive Income (Loss) and 2) a new requirement to disclose changes in equity by line item with subtotals for each interim reporting period on the Statements of Changes in Shareholders' Equity. The Rule became effective for all financial reports filed after November 5, 2018 (30 days after its publication in the Federal Register), except for the additional requirement for the Statements of Changes in Shareholders' Equity which can be implemented for first quarter 2019 reporting. The Company has adopted the portions of the Rule that became effective November 5, 2018. The portion of the Rule related to the new requirement for the Statements of Changes in Shareholders' Equity will be adopted by the Company in the first quarter of 2019.

Accounting for Cloud Computing Arrangement. In August 2018, The Financial Accounting Standards Board ("FASB") issued ASU 2018-15, which outlines accounting for implementation costs of a cloud computing arrangement that is a service contract. This guidance requires that implementation costs of a cloud computing arrangement that is a service

contract must be capitalized and expensed in accordance with the existing provisions provided in Subtopic 350-40 regarding development of internal use software. In addition, any capitalized implementation costs should be amortized over the term of the hosting arrangement. The guidance is effective for annual reporting periods beginning after December 15, 2019 and interim periods within that annual reporting period. The Company is currently evaluating the impact of the adoption of ASU 2018-15 on its financial statements.

F-13

Accounting for Long Duration Contracts. In August 2018, FASB issued ASU 2018-12, which discusses changes to the recognition, measurement and presentation of long duration contracts. The main provisions of this guidance address the following: 1) In determining liability for future policy benefits, companies must review cash flow assumptions at least annually and the discount rate assumption at each reporting period date 2) Amortization of deferred acquisition costs has been simplified to be in constant level proportion to either premiums, gross profits or gross margins 3) Disaggregated roll forwards of beginning and ending liabilities for future policy benefits are required. The guidance is effective for annual reporting periods beginning after December 15, 2020 and interim periods within that annual reporting period. The Company is currently evaluating the impact of the adoption of ASU 2018-12 on its financial statements.

Accounting for Deferred Taxes in Accumulated Other Comprehensive Income (AOCI). In February 2018, FASB issued ASU 2018-02 which outlines guidance on the treatment of trapped deferred taxes contained within AOCI on the consolidated balance sheets. The new guidance allows the amount of trapped deferred taxes in AOCI, resulting from the change in the U.S. tax rate from 35% to 21% upon enactment of the Tax Cuts and Jobs Act (“TCJA”), to be reclassified as part of retained earnings in the consolidated balance sheets. The guidance is effective for annual and interim reporting periods beginning after December 15, 2018, but early adoption is allowed. The Company decided to early adopt the guidance as of December 31, 2017. The adoption resulted in a reclass of \$1,250 thousand between AOCI and retained earnings during the fourth quarter of 2017. As an accounting policy, the Company has adopted the aggregate portfolio approach for releasing disproportionate income tax effects from AOCI.

Accounting for Impact on Income Taxes due to Tax Reform. In December 2017, the SEC issued Staff Accounting Bulletin (“SAB”) 118 which provides guidance on the application of FASB Accounting Standards Codification (“ASC”) Topic 740, Income Taxes, due to the enactment of TCJA. SAB 118 became effective upon release. The Company has adopted the provisions of SAB 118 with respect to measuring the tax effects for the modifications to the determination of tax basis loss reserves. In 2018, the Company recorded adjustments to the amount of tax expense it recorded in 2017 with respect to the TCJA as estimated amounts were finalized, which did not have a material impact on the Company’s financial statements.

Amortization of Bond Premium. In March 2017, FASB issued ASU 2017-08 which outlines guidance on the amortization period for premium on callable debt securities. The new guidance requires that the premium on callable debt securities be amortized through the earliest call date rather than through the maturity date of the callable security. The guidance is effective for annual and interim reporting periods beginning after December 15, 2019. The Company does not expect the adoption of ASU 2017-08 to have a material impact on its financial statements.

Presentation and Disclosure of Net Periodic Benefit Costs. In March 2017, FASB issued ASU 2017-07 which outlines guidance on the presentation of net periodic costs of benefit plans. The new guidance requires that the service cost component of net periodic benefit costs be reported within the same line item of the statements of operations as other compensation costs are reported. Other components of net periodic benefit costs should be reported separately. Footnote disclosure is required to state within which line items of the statements of operations the components are reported. The guidance is effective for annual and interim reporting periods beginning after December 15, 2017. The Company adopted the guidance effective January 1, 2018. The adoption of ASU 2017-07 did not have a material impact on the Company’s financial statements.

Disclosure of Restricted Cash. In November 2016, FASB issued ASU 2016-18 and in August 2016, FASB issued ASU 2016-15 which outline guidance on the presentation in the statements of cash flows of changes in restricted cash. The new guidance requires that the statements of cash flows should reflect all changes in cash, cash equivalents and restricted cash in total and not segregated individually. The guidance is effective for annual and interim reporting periods beginning after December 15, 2017. The Company adopted the guidance effective January 1, 2018. The adoption of ASU 2016-18 and ASU 2016-15 did not have a material impact on the Company’s financial statements.

Intra-Entity Asset Transfers. In October 2016, FASB issued ASU 2016-16 which outlines guidance on the tax accounting for intra-entity asset sales and transfers, other than inventory. The new guidance requires that reporting entities recognize tax expense from the intra-entity transfer of an asset in the seller's tax jurisdiction at the time of transfer and recognize any deferred tax asset in the buyer's tax jurisdiction at the time of transfer. The guidance is effective for annual and interim reporting periods beginning after December 15, 2017. The Company adopted the guidance effective January 1, 2018. The adoption of ASU 2016-16 did not have a material impact on the Company's financial statements.

Valuation of Financial Instruments. In June 2016, FASB issued ASU 2016-13 which outlines guidance on the valuation of and accounting for assets measured at amortized cost and available for sale debt securities. The carrying value of assets measured at amortized cost will now be presented as the amount expected to be collected on the financial asset (amortized cost less an allowance for credit losses valuation account). Available for sale debt securities will now record credit losses through an allowance for credit losses, which will be limited to the amount by which fair value is below amortized cost. The guidance is effective for annual and interim reporting periods beginning after December 15, 2019. The Company is currently evaluating the impact of the adoption of ASU 2016-13 on its financial statements.

Accounting for Share-Based Compensation. In March 2016, the FASB issued ASU 2016-09, authoritative guidance regarding the accounting for share-based compensation. This guidance requires that the income tax effects resulting from the change in the value of share-based compensation awards between grant and settlement will be recorded as part of the consolidated statements of operations and comprehensive income/(loss). Previously, excess tax benefits have been recorded as part of the additional paid in capital within the consolidated balance sheets. The guidance is effective for annual reporting periods beginning after December 15, 2016 and interim periods within that annual reporting period. The Company has implemented this guidance prospectively as of January 1, 2017. The guidance also requires that the cost of employee taxes paid via shares withheld upon settlement of share-based compensation awards must be shown as a financing activity within the Statements of Cash Flows. The Company has implemented this guidance retrospectively as of January 1, 2017.

The following table presents certain financial statement line items as previously reported in 2016, the effect of those line items due to treating the cost of shares withheld upon settlement of share-based compensation awards as a financing activity with the Statements of Cash Flows and the line items as currently reported within the financial statements.

| Consolidated Statements of Cash Flows: | At December 31, 2016 | | |
|---|------------------------------|--|--------------|
| | As previously reported | Effect of adoption of new accounting policy | As adopted |
| (Dollars in thousands) | | | |
| CASH FLOWS FROM OPERATING ACTIVITIES: | | | |
| Change in other assets and liabilities, net | \$ (56,204) | \$ 10,595 | \$ (45,609) |
| Net cash provided by (used in) operating activities | 1,373,005 | 10,595 | 1,383,600 |
| CASH FLOWS FROM FINANCING ACTIVITIES: | | | |
| Cost of shares withheld for taxes on settlements of share-based compensation awards | - | (10,595) | (10,595) |
| Net cash provided by (used in) financing activities | (570,921) | (10,595) | (581,516) |

Leases. In February 2016, FASB issued ASU 2016-02 (and subsequently issued ASU 2018-11 in July, 2018) which outline new guidance on the accounting for leases. The new guidance requires the recognition of lease assets and lease liabilities on the balance sheets for most leases that were previously deemed operating leases and required only lease expense presentation in the statements of operations. The guidance is effective for annual and interim reporting periods beginning after December 15, 2018. The Company will adopt ASU 2016-02 effective January 1, 2019 and estimates that its increase in lease liability will be \$75,000 thousand with no impact on shareholders' equity upon adoption and no material impact on future consolidated statements of operation and comprehensive income (loss).

F-15

Recognition and Measurement of Financial Instruments. In January 2016, the FASB issued ASU 2016-01 which outlines revised guidance on the accounting for equity investments. The new guidance states that all equity investments in unconsolidated entities will be measured at fair value, with the change in value being recorded through the income statement rather than being recorded within other comprehensive income. The updated guidance is effective for annual and interim reporting periods beginning after December 15, 2017. The Company adopted the guidance effective January 1, 2018. The adoption of ASU 2016-01 resulted in a cumulative change adjustment of \$1,201 thousand between AOCI and retained earnings, which is disclosed separately within the consolidated statement of changes in shareholders' equity.

Disclosures about Short-Duration Contracts. In May 2015, the FASB issued ASU 2015-09, authoritative guidance regarding required disclosures associated with short duration insurance contracts. The new disclosure requirements focus on information about initial claim estimates and subsequent claim estimate adjustment, methodologies in estimating claims and the timing, frequency and severity of claims related to short duration insurance contracts. This guidance is effective for annual reporting periods beginning after December 15, 2015 and interim reporting periods beginning after December 15, 2016. The Company implemented this guidance effective in the fourth quarter of 2016.

Disclosures for Investments in Certain Entities that Calculate Net Asset Value Per Share. In May 2015, the FASB issued ASU 2015-07, which removes the requirement to categorize, within the fair value hierarchy, investments for which fair values are estimated using the net asset value practical expedient provided by Accounting Standards Codification 820, Fair Value Measurement. The updated guidance is effective for annual reporting periods beginning after December 15, 2015. The Company implemented this guidance effective in the fourth quarter of 2016. The adoption did not have a material impact on the Company's financial statements.

Debt Issuance Costs. In April 2015, The FASB issued ASU 2015-03, authoritative guidance on the presentation of debt issuance costs. This guidance requires that debt issuance costs be presented within the balance sheet as a reduction of the carrying value of the debt liability, rather than as a separate asset. This guidance is effective for annual reporting periods beginning after December 15, 2015 and related interim reporting periods. The Company implemented this guidance effective in the second quarter of 2016. The adoption did not have a material impact on the Company's financial statements.

Consolidation. In February 2015, the FASB issued ASU 2015-02, authoritative guidance regarding consolidation of reporting entities. The new guidance focuses on the required evaluation of whether certain legal entities should be consolidated. This guidance is effective for annual and interim reporting periods beginning after December 15, 2015. Based upon this guidance, the Company has determined that the separate segregated accounts associated with Mt. Logan Re should not be consolidated. The Company implemented the guidance effective January 1, 2016.

Revenue Recognition. In May 2014, the FASB issued ASU 2014-09 and in August 2015, FASB issued ASU 2015-14 which outline revised guidance on the recognition of revenue arising from contracts with customers. The new guidance states that reporting entities should apply certain steps to determine when revenue should be recognized, based upon fulfillment of performance obligations to complete contracts. The updated guidance is effective for annual and interim reporting periods beginning after December 15, 2017. The Company adopted the guidance effective January 1, 2018. The adoption of ASU 2014-09 and ASU 2015-14 did not have a material impact on the Company's financial statements.

Any issued guidance and pronouncements, other than those directly referenced above, are deemed by the Company to be either not applicable or immaterial to its financial statements.

2. INVESTMENTS

The amortized cost, market value and gross unrealized appreciation and depreciation of available for sale, fixed maturity, equity security investments, carried at market value and other-than-temporary impairments (“OTTI”) in accumulated other comprehensive income (“AOCI”) are as follows for the periods indicated:

| (Dollars in thousands) | At December 31, 2018 | | | | OTTI in AOCI (a) |
|--|----------------------|----------------------------|----------------------------|-----------------|------------------------|
| | Amortized Cost | Unrealized Appreciation | Unrealized Depreciation | Market Value | |
| Fixed maturity securities | | | | | |
| U.S. Treasury securities and obligations of U.S. government agencies and corporations | \$2,629,454 | \$ 16,781 | \$ (15,101) | \$2,631,134 | \$ - |
| Obligations of U.S. states and political subdivisions | 490,018 | 12,915 | (2,839) | 500,094 | 439 |
| Corporate securities | 5,538,582 | 48,465 | (141,515) | 5,445,532 | 1,688 |
| Asset-backed securities | 545,427 | 162 | (5,492) | 540,097 | - |
| Mortgage-backed securities | | | | | |
| Commercial | 329,883 | 2,167 | (5,340) | 326,710 | - |
| Agency residential | 1,832,760 | 7,325 | (43,821) | 1,796,264 | - |
| Non-agency residential | 10,198 | 37 | (26) | 10,209 | - |
| Foreign government securities | 1,335,328 | 34,743 | (55,906) | 1,314,165 | 98 |
| Foreign corporate securities | 2,694,922 | 63,994 | (97,858) | 2,661,058 | 320 |
| Total fixed maturity securities | \$15,406,572 | \$ 186,589 | \$ (367,898) | \$15,225,263 | \$ 2,545 |
| Equity securities | \$- | \$ - | \$ - | \$- | \$ - |

| (Dollars in thousands) | At December 31, 2017 | | | | OTTI in AOCI (a) |
|--|----------------------|----------------------------|----------------------------|-----------------|------------------------|
| | Amortized Cost | Unrealized Appreciation | Unrealized Depreciation | Market Value | |
| Fixed maturity securities | | | | | |
| U.S. Treasury securities and obligations of U.S. government agencies and corporations | \$1,540,952 | \$ 9,816 | \$ (14,076) | \$1,536,692 | \$ - |
| Obligations of U.S. states and political subdivisions | 563,790 | 22,123 | (444) | 585,469 | - |
| Corporate securities | 5,658,456 | 81,724 | (41,175) | 5,699,005 | 2,488 |
| Asset-backed securities | 532,473 | 869 | (1,982) | 531,360 | - |
| Mortgage-backed securities | | | | | |
| Commercial | 235,794 | 616 | (2,369) | 234,041 | - |
| Agency residential | 2,236,361 | 10,379 | (35,838) | 2,210,902 | - |
| Non-agency residential | 497 | 41 | (44) | 494 | - |
| Foreign government securities | 1,305,070 | 43,804 | (34,847) | 1,314,027 | 178 |
| Foreign corporate securities | 2,616,205 | 77,045 | (48,406) | 2,644,844 | 950 |
| Total fixed maturity securities | \$14,689,598 | \$ 246,417 | \$ (179,181) | \$14,756,834 | \$ 3,616 |
| Equity securities | \$130,287 | \$ 2,615 | \$ (3,372) | \$129,530 | \$ - |

^(a) Represents the amount of OTTI recognized in AOCI. Amount includes unrealized gains and losses on impaired securities relating to changes in the value of such securities subsequent to the impairment measurement date.

Effective January 1, 2018, the Company adopted ASU 2016-01, which requires equity investments in unconsolidated entities to be measured at fair value, with any change in value being recorded within net realized capital gains/(losses) as part of the consolidated statements of operations and comprehensive income (loss). Previously, changes in the market value had been recorded within AOCI as part of the consolidated balance sheets. Therefore, effective January 1, 2018, equity security investments no longer have an impact upon the AOCI balance.

F-17

The amortized cost and market value of fixed maturity securities are shown in the following table by contractual maturity. Mortgage-backed securities are generally more likely to be prepaid than other fixed maturity securities. As the stated maturity of such securities may not be indicative of actual maturities, the totals for mortgage-backed and asset-backed securities are shown separately.

| (Dollars in thousands) | At December 31, 2018 | | At December 31, 2017 | |
|---|----------------------|--------------|----------------------|--------------|
| | Amortized Cost | Market Value | Amortized Cost | Market Value |
| Fixed maturity securities – available for sale: | | | | |
| Due in one year or less | \$1,328,571 | \$1,330,534 | \$1,041,885 | \$1,050,094 |
| Due after one year through five years | 8,114,247 | 8,016,490 | 7,545,731 | 7,554,248 |
| Due after five years through ten years | 2,455,911 | 2,413,846 | 2,214,473 | 2,231,456 |
| Due after ten years | 789,575 | 791,113 | 882,384 | 944,239 |
| Asset-backed securities | 545,427 | 540,097 | 532,473 | 531,360 |
| Mortgage-backed securities: | | | | |
| Commercial | 329,883 | 326,710 | 235,794 | 234,041 |
| Agency residential | 1,832,760 | 1,796,264 | 2,236,361 | 2,210,902 |
| Non-agency residential | 10,198 | 10,209 | 497 | 494 |
| Total fixed maturity securities | \$15,406,572 | \$15,225,263 | \$14,689,598 | \$14,756,834 |

The changes in net unrealized appreciation (depreciation) for the Company's investments are derived from the following sources for the periods indicated:

| (Dollars in thousands) | Years Ended December 31, | |
|---|--------------------------|---------------|
| | 2018 | 2017 |
| Increase (decrease) during the period between the market value and cost of investments carried at market value, and deferred taxes thereon: | | |
| Fixed maturity securities | \$ (247,497) | \$ (101,940) |
| Fixed maturity securities, other-than-temporary impairment | (1,071) | (5,618) |
| Equity securities | - | 9,730 |
| Other invested assets | - | 3,037 |
| Change in unrealized appreciation (depreciation), pre-tax | (248,568) | (94,791) |
| Deferred tax benefit (expense) | 20,543 | 21,905 |
| Deferred tax benefit (expense), other-than-temporary impairment | (135) | 1,588 |
| Change in unrealized appreciation (depreciation), net of deferred taxes, included in shareholders' equity | \$ (228,160) | \$ (71,298) |

The Company frequently reviews all of its fixed maturity, available for sale securities for declines in market value and focuses its attention on securities whose fair value has fallen below 80% of their amortized cost at the time of review. The Company then assesses whether the decline in value is temporary or other-than-temporary. In making its assessment, the Company evaluates the current market and interest rate environment as well as specific issuer information. Generally, a change in a security's value caused by a change in the market, interest rate or foreign exchange environment does not constitute an other-than-temporary impairment, but rather a temporary decline in market value. Temporary declines in market value are recorded as unrealized losses in accumulated other comprehensive income (loss). If the Company determines that the decline is other-than-temporary and the Company does not have the intent to sell the security; and it is more likely than not that the Company will not have to sell the

security before recovery of its cost basis, the carrying value of the investment is written down to fair value. The fair value adjustment that is credit or foreign exchange related is recorded in net realized capital gains (losses) in the Company's consolidated statements of operations and comprehensive income (loss). The fair value adjustment that is non-credit related is recorded as a component of other comprehensive income (loss), net of tax, and is included in accumulated other comprehensive income (loss) in the Company's consolidated balance sheets.

The Company's assessments are based on the issuers' current and expected future financial position, timeliness with respect to interest and/or principal payments, speed of repayments and any applicable credit enhancements or breakeven constant default rates on mortgage-backed and asset-backed securities, as well as relevant information provided by rating agencies, investment advisors and analysts.

F-18

Upon the adoption of ASU 2016-01 as of January 1, 2018, all equity investments in unconsolidated entities are recorded at fair value. Prior to the adoption of ASU 2016-01, the Company presented certain equity securities at market value. The majority of the Company's equity securities presented at market value prior to January 1, 2018 were primarily comprised of mutual fund investments whose underlying securities consisted of fixed maturity securities. When a fund's value reflected an unrealized loss, the Company assessed whether the decline in value was temporary or other-than-temporary. In making its assessment, the Company considered the composition of its portfolios and their related markets, reports received from the portfolio managers and discussions with portfolio managers. If the Company determined that the declines were temporary and it had the ability and intent to continue to hold the investments, then the declines were recorded as unrealized losses in accumulated other comprehensive income (loss). If declines were deemed to be other-than-temporary, then the carrying value of the investment was written down to fair value and recorded in net realized capital gains (losses) in the Company's consolidated statements of operations and comprehensive income (loss).

Retrospective adjustments are employed to recalculate the values of asset-backed securities. All of the Company's asset-backed and mortgage-backed securities have a pass-through structure. Each acquisition lot is reviewed to recalculate the effective yield. The recalculated effective yield is used to derive a book value as if the new yield were applied at the time of acquisition. Outstanding principal factors from the time of acquisition to the adjustment date are used to calculate the prepayment history for all applicable securities. Conditional prepayment rates, computed with life to date factor histories and weighted average maturities, are used in the calculation of projected prepayments for pass-through security types.

The tables below display the aggregate market value and gross unrealized depreciation of fixed maturity and equity securities, by security type and contractual maturity, in each case subdivided according to length of time that individual securities had been in a continuous unrealized loss position for the periods indicated:

| | Duration of Unrealized Loss at December 31, 2018 By Security Type | | | | | |
|---|---|-------------------------------|------------------------|-------------------------------|--------------|-------------------------------|
| | Less than 12 months | | Greater than 12 months | | Total | |
| | Market Value | Gross Unrealized Depreciation | Market Value | Gross Unrealized Depreciation | Market Value | Gross Unrealized Depreciation |
| (Dollars in thousands) | | | | | | |
| Fixed maturity securities - available for sale | | | | | | |
| U.S. Treasury securities and obligations of U.S. government agencies and corporations | \$76,226 | \$(158) | \$777,409 | \$(14,943) | \$853,635 | \$(15,101) |
| Obligations of U.S. states and political subdivisions | 71,559 | (1,444) | 38,105 | (1,395) | 109,664 | (2,839) |
| Corporate securities | 2,513,463 | (69,619) | 1,683,729 | (71,896) | 4,197,192 | (141,515) |
| Asset-backed securities | 230,285 | (2,746) | 245,300 | (2,746) | 475,585 | (5,492) |
| Mortgage-backed securities | | | | | | |
| Commercial | 71,167 | (1,128) | 154,201 | (4,212) | 225,368 | (5,340) |
| Agency residential | 156,930 | (975) | 1,373,629 | (42,846) | 1,530,559 | (43,821) |
| Non-agency residential | 10,174 | (26) | - | - | 10,174 | (26) |
| Foreign government securities | 196,303 | (9,719) | 494,156 | (46,187) | 690,459 | (55,906) |
| Foreign corporate securities | 939,808 | (35,023) | 782,405 | (62,835) | 1,722,213 | (97,858) |
| Total fixed maturity securities | \$4,265,915 | \$(120,838) | \$5,548,934 | \$(247,060) | \$9,814,849 | \$(367,898) |
| Equity securities | - | - | - | - | - | - |

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Total \$4,265,915 \$ (120,838) \$5,548,934 \$ (247,060) \$9,814,849 \$ (367,898)

Duration of Unrealized Loss at December 31, 2018 By Maturity

| | Less than 12 months | | Greater than 12 months | | Total | |
|-------------------------------------|---------------------|-------------------------------|------------------------|-------------------------------|--------------|-------------------------------|
| | Market Value | Gross Unrealized Depreciation | Market Value | Gross Unrealized Depreciation | Market Value | Gross Unrealized Depreciation |
| (Dollars in thousands) | | | | | | |
| Fixed maturity securities | | | | | | |
| Due in one year or less | \$454,239 | \$ (2,558) | \$427,513 | \$ (20,675) | \$881,752 | \$ (23,233) |
| Due in one year through five years | 2,014,704 | (45,148) | 2,764,981 | (129,940) | 4,779,685 | (175,088) |
| Due in five years through ten years | 1,082,568 | (51,300) | 492,216 | (34,210) | 1,574,784 | (85,510) |
| Due after ten years | 245,848 | (16,957) | 91,094 | (12,431) | 336,942 | (29,388) |
| Asset-backed securities | 230,285 | (2,746) | 245,300 | (2,746) | 475,585 | (5,492) |
| Mortgage-backed securities | 238,271 | (2,129) | 1,527,830 | (47,058) | 1,766,101 | (49,187) |
| Total fixed maturity securities | \$4,265,915 | \$ (120,838) | \$5,548,934 | \$ (247,060) | \$9,814,849 | \$ (367,898) |

F-19

The aggregate market value and gross unrealized losses related to investments in an unrealized loss position at December 31, 2018 were \$9,814,849 thousand and \$367,898 thousand, respectively. The market value of securities for the single issuer (the United States government) whose securities comprised the largest unrealized loss position at December 31, 2018, did not exceed 5.7% of the overall market value of the Company's fixed maturity securities. The market value of the securities for the issuer with the second largest unrealized loss comprised less than 1.0% of the Company's fixed maturity securities. In addition, as indicated on the above table, there was no significant concentration of unrealized losses in any one market sector. The \$120,838 thousand of unrealized losses related to fixed maturity securities that have been in an unrealized loss position for less than one year were generally comprised of domestic and foreign corporate securities, foreign government securities and asset-backed securities. Of these unrealized losses, \$74,729 thousand were related to securities that were rated investment grade by at least one nationally recognized statistical rating agency. The \$247,060 thousand of unrealized losses related to fixed maturity securities in an unrealized loss position for more than one year related primarily to domestic and foreign corporate securities, foreign government securities, agency residential mortgage-backed securities and U.S. government agencies and corporations. Of these unrealized losses, \$230,560 thousand were related to securities that were rated investment grade by at least one nationally recognized statistical rating agency. There was no gross unrealized depreciation for mortgage-backed securities related to sub-prime and alt-A loans. In all instances, there were no projected cash flow shortfalls to recover the full book value of the investments and the related interest obligations. The mortgage-backed securities still have excess credit coverage and are current on interest and principal payments.

The Company, given the size of its investment portfolio and capital position, does not have the intent to sell these securities; and it is more likely than not that the Company will not have to sell the security before recovery of its cost basis. In addition, all securities currently in an unrealized loss position are current with respect to principal and interest payments.

The tables below display the aggregate market value and gross unrealized depreciation of fixed maturity and equity securities, by security type and contractual maturity, in each case subdivided according to length of time that individual securities had been in a continuous unrealized loss position for the periods indicated:

| | Duration of Unrealized Loss at December 31, 2017 By Security Type | | | | | |
|---|---|-------------------------------|------------------------|-------------------------------|--------------|-------------------------------|
| | Less than 12 months | | Greater than 12 months | | Total | |
| | Market Value | Gross Unrealized Depreciation | Market Value | Gross Unrealized Depreciation | Market Value | Gross Unrealized Depreciation |
| (Dollars in thousands) | | | | | | |
| Fixed maturity securities - available for sale | | | | | | |
| U.S. Treasury securities and obligations of U.S. government agencies and corporations | \$1,077,051 | \$ (8,380) | \$224,189 | \$ (5,696) | \$1,301,240 | \$ (14,076) |
| Obligations of U.S. states and political subdivisions | 4,400 | (27) | 37,886 | (417) | 42,286 | (444) |
| Corporate securities | 1,779,292 | (24,942) | 700,098 | (16,233) | 2,479,390 | (41,175) |
| Asset-backed securities | 301,316 | (1,467) | 72,780 | (515) | 374,096 | (1,982) |
| Mortgage-backed securities | | | | | | |
| Commercial | 101,821 | (572) | 64,272 | (1,797) | 166,093 | (2,369) |
| Agency residential | 610,941 | (4,836) | 1,343,547 | (31,002) | 1,954,488 | (35,838) |
| Non-agency residential | - | - | 69 | (44) | 69 | (44) |
| Foreign government securities | 327,790 | (12,811) | 331,432 | (22,036) | 659,222 | (34,847) |

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| | | | | | | |
|---------------------------------|-------------|--------------|-------------|---------------|-------------|---------------|
| Foreign corporate securities | 691,865 | (19,381) | 450,860 | (29,025) | 1,142,725 | (48,406) |
| Total fixed maturity securities | \$4,894,476 | \$ (72,416) | \$3,225,133 | \$ (106,765) | \$8,119,609 | \$ (179,181) |
| Equity securities | - | - | 113,506 | (3,372) | 113,506 | (3,372) |
| Total | \$4,894,476 | \$ (72,416) | \$3,338,639 | \$ (110,137) | \$8,233,115 | \$ (182,553) |

F-20

| (Dollars in thousands) | Duration of Unrealized Loss at December 31, 2017 By Maturity | | | | | |
|-------------------------------------|--|-------------------------------|------------------------|-------------------------------|--------------|-------------------------------|
| | Less than 12 months | | Greater than 12 months | | Total | |
| | Market Value | Gross Unrealized Depreciation | Market Value | Gross Unrealized Depreciation | Market Value | Gross Unrealized Depreciation |
| Fixed maturity securities | | | | | | |
| Due in one year or less | \$247,927 | \$ (962) | \$206,113 | \$ (7,643) | \$454,040 | \$ (8,605) |
| Due in one year through five years | 2,930,977 | (42,480) | 1,200,414 | (52,143) | 4,131,391 | (94,623) |
| Due in five years through ten years | 612,702 | (20,154) | 292,245 | (12,680) | 904,947 | (32,834) |
| Due after ten years | 88,792 | (1,945) | 45,693 | (941) | 134,485 | (2,886) |
| Asset-backed securities | 301,316 | (1,467) | 72,780 | (515) | 374,096 | (1,982) |
| Mortgage-backed securities | 712,762 | (5,408) | 1,407,888 | (32,843) | 2,120,650 | (38,251) |
| Total fixed maturity securities | \$4,894,476 | \$ (72,416) | \$3,225,133 | \$ (106,765) | \$8,119,609 | \$ (179,181) |

The aggregate market value and gross unrealized losses related to investments in an unrealized loss position at December 31, 2017 were \$8,233,115 thousand and \$182,553 thousand, respectively. The market value of securities for the single issuer (the United States government) whose securities comprised the largest unrealized loss position at December 31, 2017, did not exceed 8.9% of the overall market value of the Company's fixed maturity securities. The market value of the securities for the issuer with the second largest unrealized loss comprised less than 1.1% of the Company's fixed maturity securities. In addition, as indicated on the above table, there was no significant concentration of unrealized losses in any one market sector. The \$72,416 thousand of unrealized losses related to fixed maturity securities that have been in an unrealized loss position for less than one year were generally comprised of domestic and foreign corporate securities, foreign government securities, U.S. government agencies and corporations and agency residential mortgage-backed securities. Of these unrealized losses, \$68,107 thousand were related to securities that were rated investment grade by at least one nationally recognized statistical rating agency. The \$106,765 thousand of unrealized losses related to fixed maturity securities in an unrealized loss position for more than one year related primarily to agency residential mortgage-backed securities, foreign corporate securities, foreign government securities, domestic corporate securities and U.S. government agencies and corporations. Of these unrealized losses, \$103,739 thousand were related to securities that were rated investment grade by at least one nationally recognized statistical rating agency. There was no gross unrealized depreciation for mortgage-backed securities related to sub-prime and alt-A loans. In all instances, there were no projected cash flow shortfalls to recover the full book value of the investments and the related interest obligations. The mortgage-backed securities still have excess credit coverage and are current on interest and principal payments.

The components of net investment income are presented in the table below for the periods indicated:

| (Dollars in thousands) | Years Ended December 31, | | |
|---------------------------------|--------------------------|-----------|-----------|
| | 2018 | 2017 | 2016 |
| Fixed maturities | \$465,793 | \$427,379 | \$410,337 |
| Equity securities | 25,327 | 34,523 | 40,707 |
| Short-term investments and cash | 14,395 | 4,177 | 1,769 |
| Other invested assets | | | |
| Limited partnerships | 93,327 | 83,569 | 38,647 |
| Other | 16,960 | 10,125 | 2,852 |

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| | | | |
|--|-----------|-----------|-----------|
| Gross investment income before adjustments | 615,802 | 559,773 | 494,312 |
| Funds held interest income (expense) | 6,300 | 11,874 | 7,853 |
| Future policy benefit reserve income (expense) | (1,419) | (1,282) | (1,633) |
| Gross investment income | 620,683 | 570,365 | 500,532 |
| Investment expenses | (39,500) | (27,467) | (27,447) |
| Net investment income | \$581,183 | \$542,898 | \$473,085 |

The Company records results from limited partnership investments on the equity method of accounting with changes in value reported through net investment income. Due to the timing of receiving financial information from these partnerships, the results are generally reported on a one month or quarter lag. If the Company determines there has been a significant decline in value of a limited partnership during this lag period, a loss will be recorded in the period in which the Company identifies the decline.

F-21

The Company had contractual commitments to invest up to an additional \$648,423 thousand in limited partnerships at December 31, 2018. These commitments will be funded when called in accordance with the partnership agreements, which have investment periods that expire, unless extended, through 2023.

Beginning in the first quarter of 2016, the Company participated in a private placement liquidity sweep facility (“the facility”). The primary purpose of the facility is to enhance the Company’s return on its short-term investments and cash positions. The facility invests in high quality, short-duration securities and permits daily liquidity. Through the second quarter of 2018, the Company’s participation in the facility was classified within other invested assets on the Company’s Balance Sheets.

Starting in the third quarter of 2018, the Company has consolidated its participation in the facility. As a result of the consolidation of the underlying investments of the facility, effective July 1, 2018, the Company has reclassified \$143,656 thousand from other invested assets to fixed maturity securities, available for sale, at market value and has reclassified \$243,864 thousand from other invested assets to short-term investments. As of December 31, 2018, the market value of investments in the facility consolidated within the Company’s balance sheets was \$263,292 thousand.

The components of net realized capital gains (losses) are presented in the table below for the periods indicated:

| (Dollars in thousands) | Years Ended December 31, | | |
|--|--------------------------|------------|------------|
| | 2018 | 2017 | 2016 |
| Fixed maturity securities, market value: | | | |
| Other-than-temporary impairments | \$(8,110) | \$(7,093) | \$(31,595) |
| Gains (losses) from sales | (21,719) | 17,714 | 6,918 |
| Fixed maturity securities, fair value: | | | |
| Gains (losses) from sales | (1,799) | - | (1,586) |
| Gains (losses) from fair value adjustments | 1,506 | - | 1,381 |
| Equity securities, market value: | | | |
| Gains (losses) from sales | - | (3,424) | 1,426 |
| Equity securities, fair value: | | | |
| Gains (losses) from sales | (29,941) | 6,969 | (13,442) |
| Gains (losses) from fair value adjustments | (68,832) | 138,973 | 57,686 |
| Sale of Subsidiary | - | - | (28,032) |
| Other invested assets | 1,815 | 61 | 18 |
| Short-term investments gain (loss) | (56) | (6) | 10 |
| Total net realized capital gains (losses) | \$(127,136) | \$153,194 | \$(7,216) |

The Company recorded as net realized capital gains (losses) in the consolidated statements of operations and comprehensive income (loss) both fair value re-measurements and write-downs in the value of securities deemed to be impaired on an other-than-temporary basis as displayed in the table above. The Company had no other-than-temporary impaired securities where the impairment had both a credit and non-credit component.

The proceeds and split between gross gains and losses, from sales of fixed maturity and equity securities, are presented in the table below for the periods indicated:

| (Dollars in thousands) | Years Ended December 31, | | |
|--|--------------------------|-------------|-------------|
| | 2018 | 2017 | 2016 |
| Proceeds from sales of fixed maturity securities | \$3,150,179 | \$2,401,844 | \$1,264,271 |

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| | | | |
|--|-------------|-----------|-----------|
| Gross gains from sales | 33,996 | 58,589 | 53,093 |
| Gross losses from sales | (57,514) | (40,875) | (47,761) |
| Proceeds from sales of equity securities | \$1,199,409 | \$651,433 | \$729,782 |
| Gross gains from sales | 31,718 | 24,809 | 18,462 |
| Gross losses from sales | (61,659) | (21,264) | (30,478) |

Securities with a carrying value amount of \$1,471,451 thousand at December 31, 2018 were on deposit with various state or governmental insurance departments in compliance with insurance laws.

F-22

3. RESERVE FOR LOSSES, LAE AND FUTURE POLICY BENEFIT RESERVE

Reserves for losses and LAE.

Activity in the reserve for losses and LAE is summarized for the periods indicated:

| (Dollars in thousands) | At December 31, | | |
|---|-----------------|--------------|--------------|
| | 2018 | 2017 | 2016 |
| Gross reserves at January 1 | \$11,884,321 | \$10,312,313 | \$9,951,798 |
| Less reinsurance recoverables | (1,212,649) | (990,862) | (881,503) |
| Net reserves at January 1 | 10,671,672 | 9,321,451 | 9,070,295 |
| Incurred related to: | | | |
| Current year | 5,264,327 | 4,815,967 | 3,434,964 |
| Prior years | 387,076 | (293,386) | (295,335) |
| Total incurred losses and LAE | 5,651,403 | 4,522,581 | 3,139,629 |
| Paid related to: | | | |
| Current year | 1,700,765 | 1,280,605 | 745,642 |
| Prior years | 3,011,175 | 2,062,634 | 2,042,972 |
| Total paid losses and LAE | 4,711,940 | 3,343,239 | 2,788,614 |
| Foreign exchange/translation adjustment | (111,686) | 170,879 | (99,859) |
| Net reserves at December 31 | 11,499,449 | 10,671,672 | 9,321,451 |
| Plus reinsurance recoverables | 1,619,641 | 1,212,649 | 990,862 |
| Gross reserves at December 31 | \$13,119,090 | \$11,884,321 | \$10,312,313 |

Current year incurred losses were \$5,264,327 thousand, \$4,815,967 thousand and \$3,434,964 thousand at December 31, 2018, 2017 and 2016, respectively. The increase in current year incurred losses was primarily due to an increase in attritional losses due to a 16.7% increase in premiums earned. The \$406,992 thousand increase in reinsurance recoverables from December 31, 2018 to December 31, 2017 is primarily related to the additional catastrophe losses incurred in 2018 as well as a retroactive reinsurance transaction with a Mt. Logan Re segregated account effective in the second quarter of 2018.

Incurred prior years' reserves increased by \$387,076 thousand in 2018 and decreased by \$293,386 thousand and \$295,335 thousand in 2017 and 2016, respectively. The increase for 2018 was mainly due to \$561,197 thousand of adverse development on prior years catastrophe losses, primarily related to Hurricanes Harvey, Irma and Maria, as well as the 2017 California wildfires. The increase in loss estimates for Hurricanes Harvey, Irma and Maria was mostly driven by re-opened claims, loss inflation from higher than expected loss adjustment expenses and in particular, their impact on aggregate covers. This reserve increase was partially offset by \$174,121 thousand of favorable development on prior years attritional losses which mainly related to U.S. and international property and casualty reinsurance business, as well as favorable development in the Insurance segment which largely related to workers' compensation business.

The decrease for 2017 was attributable to favorable development in the reinsurance segments of \$238,378 thousand, related primarily to property and short-tail business in the U.S. and Bermuda as well as favorable development on prior year catastrophe losses, partially offset by \$37,137 thousand of adverse development on A&E reserves. The insurance segment also experienced favorable development on prior year reserves of \$55,007 thousand mainly on its

workers compensation business, which is largely written in California.

The decrease for 2016 was attributable to favorable development in the reinsurance segments of \$468,749 thousand related primarily to property and short-tail business in the U.S., property business in Canada, Latin America, Middle East and Africa, as well as favorable development on prior year catastrophe losses, partially offset by \$53,909 thousand of adverse development on A&E reserves. Part of the favorable development in the reinsurance segments related to the 2015 loss from the explosion at the Chinese port of Tianjin. In 2015, this loss was originally estimated to be \$60,000 thousand. At December 31, 2016, this loss was projected to be \$16,720 thousand resulting in \$43,280 thousand of favorable development in 2016. The net favorable development in the reinsurance segments was partially offset by \$173,414 thousand of unfavorable development in the insurance segment primarily related to run-off construction liability and umbrella program business.

F-23

The following is information about incurred and paid claims development as of December 31, 2018, net of reinsurance, as well as cumulative claim frequency and the total of incurred but not reported liabilities (IBNR) plus expected development on reported claims included within the net incurred claims amounts. Each of the Company's financial reporting segments has been disaggregated into casualty and property business. The casualty and property segregation results in groups that have homogeneous loss development characteristics and are large enough to represent credible trends. Generally, casualty claims take longer to be reported and settled, resulting in longer payout patterns and increased volatility. Property claims on the other hand, tend to be reported and settled quicker and therefore tend to exhibit less volatility. The property business is more exposed to catastrophe losses, which can result in year over year fluctuations in incurred claims depending on the frequency and severity of catastrophe claims in any one accident year.

The information about incurred and paid claims development for the years ended December 31, 2012 to December 31, 2017 is presented as supplementary information.

These tables present seven years of incurred and paid claims development as it is impracticable to retrospectively create the tables for ten years. For the reinsurance groups, for the years prior to 2012, the total of IBNR plus expected development on reported claims was not prepared on an accident year basis. The Company calculated these IBNR amounts in the aggregate for each business unit in total as of prior year end points in time. While business written in the United States would have been allocated to accident year for regulatory reporting purposes, business written outside of the United States would not have been similarly allocated. Attempting to allocate the non-U.S. business IBNR reserves to accident year currently for older year end valuations would require making assumptions and estimates which may not be in line with assumptions that would have been made at the time. A similar situation applies to insurance where the accumulation of the business lines reported in the regulatory filings are not consistent with the breakout of the tables presented below. As a result of not being able to present the information prior to 2012, prospectively an additional year will be added to the tables each reporting year until a ten year table is presented.

The Cumulative Number of Reported Claims is shown only for Insurance Casualty as it is impracticable to provide the information for the remaining groups. The reinsurance groups each include pro rata contracts for which ceding companies provide only summary information via a bordereau. This summary information does not include the number of reported claims underlying the paid and reported losses. Therefore, it is not possible to provide this information. The Insurance Property group includes Accident & Health insurance business. This business is written via a master contract and individual claim counts are not provided. This business represents a significant enough portion of the business in the Insurance Property group so that including the number of reported claims for the remaining business would distort any analytics performed on the group.

The Cumulative Number of Reported Claims shown for the Insurance Casualty is determined by claim and line of business. For example, a claim event with three claimants in the same line of business is a single claim. However, a claim event with a single claimant that spans two lines of business contributes two claims.

The following tables present the ultimate loss and ALAE and the paid loss and ALAE, net of reinsurance for casualty and property, as well as the average annual percentage payout of incurred claims by age, net of reinsurance for each of our disclosed lines of business.

U.S. Reinsurance – Casualty Business

| Accident Year (Dollars in thousands) | Incurred Claims and Allocated Claim Adjustment Expenses, Net of reinsurance Years Ended December 31, | | | | | | | At December 31, 2018 Total of IBNR Liabilities Plus Expected Development on Reported Claims | | Cumulative Number of Reported Claims |
|---|---|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|---|------|--|
| | 2012 (unaudited) | 2013 (unaudited) | 2014 (unaudited) | 2015 (unaudited) | 2016 (unaudited) | 2017 (unaudited) | 2018 | 2018 | 2018 | |
| 2012 | \$ 401,071 | \$ 395,957 | \$ 329,314 | \$ 325,429 | \$ 321,461 | \$ 321,479 | \$ 326,806 | 10,999 | N/A | |
| 2013 | | 311,025 | 388,483 | 385,863 | 388,568 | 372,805 | 365,605 | 19,447 | N/A | |
| 2014 | | | 367,551 | 383,763 | 392,514 | 375,608 | 365,466 | 39,295 | N/A | |
| 2015 | | | | 326,374 | 354,296 | 346,420 | 347,972 | 64,286 | N/A | |
| 2016 | | | | | 330,366 | 345,836 | 347,112 | 126,677 | N/A | |
| 2017 | | | | | | 337,211 | 383,183 | 205,494 | N/A | |
| 2018 | | | | | | | 424,578 | 306,262 | N/A | |
| | | | | | | | \$ 2,560,722 | | | |

(Some amounts may not reconcile due to rounding.)

| Accident Year (Dollars in thousands) | Cumulative Paid Claims and Allocated Claim Adjustment Expenses, Net of Reinsurance Years Ended December 31, | | | | | | |
|---|--|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|
| | 2012 (unaudited) | 2013 (unaudited) | 2014 (unaudited) | 2015 (unaudited) | 2016 (unaudited) | 2017 (unaudited) | 2018 |
| 2012 | \$ 10,024 | \$ 38,586 | \$ 83,172 | \$ 143,722 | \$ 187,522 | \$ 218,966 | \$ 273,144 |
| 2013 | | 14,885 | 49,047 | 108,956 | 171,047 | 211,503 | 286,865 |
| 2014 | | | 18,841 | 54,321 | 110,327 | 164,664 | 256,790 |
| 2015 | | | | 19,920 | 53,639 | 107,033 | 206,455 |
| 2016 | | | | | 18,929 | 58,309 | 136,547 |
| 2017 | | | | | | 25,802 | 87,654 |
| 2018 | | | | | | | 44,519 |
| | | | | | | | \$ 1,291,974 |
| | | | | | | | 766,701 |

All outstanding liabilities prior to 2012, net of reinsurance

Liabilities for claims and claim adjustment expenses, net of reinsurance

\$2,035,448

(Some amounts may not reconcile due to rounding.)

Average Annual Percentage Payout of Incurred Claims by Age, Net of Reinsurance (unaudited)

| Years | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----------|------|-------|-------|-------|-------|-------|-------|
| Casualty | 6.0% | 10.9% | 16.7% | 19.7% | 16.7% | 15.4% | 16.6% |

F-25

U.S. Reinsurance – Property Business

| Accident Year (Dollars in thousands) | Incurred Claims and Allocated Claim Adjustment Expenses, Net of reinsurance Years Ended December 31, | | | | | | | At December 31, 2018 Total of IBNR Liabilities Plus Expected Development on Reported Claims | | Cumulative Number of Reported Claims |
|---|---|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|---|----------|--|
| | 2012 (unaudited) | 2013 (unaudited) | 2014 (unaudited) | 2015 (unaudited) | 2016 (unaudited) | 2017 (unaudited) | 2018 | Reported | Expected | |
| 2012 | \$ 937,847 | \$ 724,114 | \$ 622,599 | \$ 609,592 | \$ 609,221 | \$ 605,617 | \$ 588,422 | 447 | | N/A |
| 2013 | | 622,319 | 548,468 | 495,300 | 456,379 | 449,359 | 445,910 | 388 | | N/A |
| 2014 | | | 641,682 | 550,695 | 474,136 | 438,584 | 432,638 | 563 | | N/A |
| 2015 | | | | 679,227 | 544,371 | 488,878 | 463,808 | 9,543 | | N/A |
| 2016 | | | | | 966,373 | 791,526 | 763,544 | 26,165 | | N/A |
| 2017 | | | | | | 1,583,224 | 1,370,879 | 80,155 | | N/A |
| 2018 | | | | | | | 2,510,226 | 1,018,868 | | N/A |
| | | | | | | | \$6,575,427 | | | |

(Some amounts may not reconcile due to rounding.)

| Accident Year (Dollars in thousands) | Cumulative Paid Claims and Allocated Claim Adjustment Expenses, Net of Reinsurance Years Ended December 31, | | | | | | |
|--|--|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|
| | 2012 (unaudited) | 2013 (unaudited) | 2014 (unaudited) | 2015 (unaudited) | 2016 (unaudited) | 2017 (unaudited) | 2018 |
| 2012 | \$ 242,393 | \$ 402,441 | \$ 493,375 | \$ 529,745 | \$ 547,202 | \$ 564,014 | \$ 566,019 |
| 2013 | | 234,591 | 323,178 | 381,893 | 405,980 | 420,329 | 426,444 |
| 2014 | | | 218,743 | 321,677 | 370,142 | 396,142 | 406,522 |
| 2015 | | | | 226,256 | 327,633 | 389,474 | 417,755 |
| 2016 | | | | | 286,110 | 552,068 | 641,815 |
| 2017 | | | | | | 570,824 | 946,466 |
| 2018 | | | | | | | 923,030 |
| | | | | | | | \$4,328,051 |
| All outstanding liabilities prior to 2012, net of reinsurance | | | | | | | 44,374 |
| Liabilities for claims and claim adjustment expenses, net of reinsurance | | | | | | | \$2,291,749 |

(Some amounts may not reconcile
due to rounding.)

Average Annual Percentage Payout of
Incurred Claims by Age, Net of Reinsurance
(unaudited)

| Years | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----------|-------|-------|-------|------|------|------|------|
| Property | 41.1% | 26.9% | 13.0% | 5.9% | 2.9% | 2.2% | 0.3% |

F-26

International – Casualty Business

| Accident Year (Dollars in thousands) | Incurred Claims and Allocated Claim Adjustment Expenses, Net of reinsurance Years Ended December 31, | | | | | | | At December 31, 2018 Total of IBNR Liabilities Plus Expected Development on Reported Claims | | Cumulative Number of Reported Claims |
|---|---|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|---|--------|--|
| | 2012 (unaudited) | 2013 (unaudited) | 2014 (unaudited) | 2015 (unaudited) | 2016 (unaudited) | 2017 (unaudited) | 2018 | Reported | Claims | |
| 2012 | \$ 222,133 | \$ 144,930 | \$ 134,301 | \$ 134,537 | \$ 117,757 | \$ 119,753 | 118,521 | 12,511 | N/A | |
| 2013 | | 182,248 | 166,761 | 164,076 | 145,345 | 142,454 | 140,933 | 22,458 | N/A | |
| 2014 | | | 193,655 | 186,565 | 169,129 | 167,361 | 167,300 | 38,937 | N/A | |
| 2015 | | | | 192,112 | 178,898 | 173,427 | 176,819 | 50,962 | N/A | |
| 2016 | | | | | 182,864 | 180,313 | 194,754 | 82,359 | N/A | |
| 2017 | | | | | | 190,450 | 212,683 | 112,439 | N/A | |
| 2018 | | | | | | | 213,696 | 139,575 | N/A | |
| | | | | | | | \$1,224,708 | | | |

(Some amounts may not reconcile due to rounding.)

| Accident Year (Dollars in thousands) | Cumulative Paid Claims and Allocated Claim Adjustment Expenses, Net of Reinsurance Years Ended December 31, | | | | | | |
|--|--|---------------------|---------------------|---------------------|---------------------|---------------------|------------|
| | 2012 (unaudited) | 2013 (unaudited) | 2014 (unaudited) | 2015 (unaudited) | 2016 (unaudited) | 2017 (unaudited) | 2018 |
| 2012 | \$ 18,951 | \$ 30,257 | \$ 46,283 | \$ 56,773 | \$ 66,611 | \$ 77,658 | \$ 84,250 |
| 2013 | | 17,931 | 41,532 | 54,912 | 68,095 | 76,594 | 87,864 |
| 2014 | | | 25,920 | 45,022 | 62,968 | 74,571 | 87,331 |
| 2015 | | | | 24,324 | 49,039 | 70,370 | 83,888 |
| 2016 | | | | | 26,556 | 51,325 | 73,376 |
| 2017 | | | | | | 26,751 | 65,352 |
| 2018 | | | | | | | 42,745 |
| | | | | | | | \$ 524,806 |
| All outstanding liabilities prior to 2012, net of reinsurance | | | | | | | 134,507 |
| Liabilities for claims and claim adjustment expenses, net of reinsurance | | | | | | | \$ 834,410 |

(Some amounts may not reconcile due to rounding.)

Average Annual Percentage Payout of
Incurred Claims by Age, Net of Reinsurance
(unaudited)

| Years | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----------|-------|-------|-------|------|------|------|------|
| Casualty | 15.0% | 14.1% | 11.4% | 8.1% | 7.3% | 8.6% | 5.6% |

F-27

International – Property Business

| Accident Year (Dollars in thousands) | Incurred Claims and Allocated Claim Adjustment Expenses, Net of reinsurance Years Ended December 31, | | | | | | | At December 31, 2018 Total of IBNR Liabilities Plus Expected Development on Reported Claims | | Cumulative Number of Reported Claims |
|---|---|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|---|----------|--|
| | 2012 (unaudited) | 2013 (unaudited) | 2014 (unaudited) | 2015 (unaudited) | 2016 (unaudited) | 2017 (unaudited) | 2018 | Reported | Expected | |
| 2012 | \$ 560,846 | \$ 513,661 | \$ 460,161 | \$ 464,190 | \$ 464,468 | \$ 465,344 | 464,331 | 1,684 | | N/A |
| 2013 | | 488,693 | 439,340 | 403,169 | 394,940 | 394,770 | 394,293 | 2,327 | | N/A |
| 2014 | | | 585,885 | 528,957 | 482,816 | 427,469 | 419,651 | 4,077 | | N/A |
| 2015 | | | | 560,099 | 427,930 | 426,695 | 415,349 | 5,363 | | N/A |
| 2016 | | | | | 525,694 | 495,804 | 473,262 | 6,494 | | N/A |
| 2017 | | | | | | 898,568 | 735,824 | 63,579 | | N/A |
| 2018 | | | | | | | 900,443 | 283,147 | | N/A |
| | | | | | | | \$3,803,153 | | | |

(Some amounts may not reconcile due to rounding.)

| Accident Year (Dollars in thousands) | Cumulative Paid Claims and Allocated Claim Adjustment Expenses, Net of Reinsurance Years Ended December 31, | | | | | | |
|--|--|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|
| | 2012 (unaudited) | 2013 (unaudited) | 2014 (unaudited) | 2015 (unaudited) | 2016 (unaudited) | 2017 (unaudited) | 2018 |
| 2012 | \$ 199,774 | \$ 325,557 | \$ 393,284 | \$ 417,136 | \$ 430,438 | \$ 441,346 | \$ 445,139 |
| 2013 | | 133,577 | 268,313 | 321,289 | 351,447 | 365,252 | 371,349 |
| 2014 | | | 160,761 | 279,587 | 345,699 | 376,890 | 388,877 |
| 2015 | | | | 143,474 | 259,981 | 328,818 | 364,391 |
| 2016 | | | | | 154,471 | 284,995 | 375,090 |
| 2017 | | | | | | 275,487 | 481,665 |
| 2018 | | | | | | | 331,806 |
| | | | | | | | \$2,758,317 |
| All outstanding liabilities prior to 2012, net of reinsurance | | | | | | | 71,452 |
| Liabilities for claims and claim adjustment expenses, net of reinsurance | | | | | | | \$1,116,288 |

(Some amounts may not reconcile
due to rounding.)

Average Annual Percentage Payout of
Incurred Claims by Age, Net of Reinsurance
(unaudited)

| Years | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----------|-------|-------|-------|------|------|------|------|
| Property | 36.8% | 28.7% | 16.0% | 7.1% | 3.1% | 2.0% | 0.8% |

F-28

Bermuda – Casualty Business

| Accident Year (Dollars in thousands) | Incurred Claims and Allocated Claim Adjustment Expenses, Net of reinsurance Years Ended December 31, | | | | | | | At December 31, 2018 Total of IBNR Liabilities Plus Expected Development on Reported Claims | | Cumulative Number of Reported Claims |
|---|---|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|---|----------|--|
| | 2012 (unaudited) | 2013 (unaudited) | 2014 (unaudited) | 2015 (unaudited) | 2016 (unaudited) | 2017 (unaudited) | 2018 | Reported | Expected | |
| 2012 | \$ 281,244 | \$ 259,000 | \$ 238,059 | \$ 227,918 | \$ 234,498 | \$ 234,752 | \$ 239,750 | 41,516 | | N/A |
| 2013 | | 225,224 | 255,280 | 249,831 | 258,408 | 247,754 | 236,753 | 59,324 | | N/A |
| 2014 | | | 208,813 | 241,109 | 258,275 | 254,844 | 243,331 | 89,698 | | N/A |
| 2015 | | | | 272,058 | 299,304 | 305,728 | 309,221 | 116,863 | | N/A |
| 2016 | | | | | 290,327 | 348,318 | 358,604 | 165,626 | | N/A |
| 2017 | | | | | | 349,666 | 401,587 | 273,964 | | N/A |
| 2018 | | | | | | | 465,351 | 407,072 | | N/A |
| | | | | | | | \$2,254,597 | | | |

(Some amounts may not reconcile due to rounding.)

| Accident Year (Dollars in thousands) | Cumulative Paid Claims and Allocated Claim Adjustment Expenses, Net of Reinsurance Years Ended December 31, | | | | | | |
|--|--|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|
| | 2012 (unaudited) | 2013 (unaudited) | 2014 (unaudited) | 2015 (unaudited) | 2016 (unaudited) | 2017 (unaudited) | 2018 |
| 2012 | \$ 12,858 | \$ 24,498 | \$ 50,981 | \$ 75,262 | \$ 101,357 | \$ 129,265 | \$ 148,732 |
| 2013 | | 16,852 | 33,681 | 51,906 | 76,711 | 102,137 | 124,532 |
| 2014 | | | 13,555 | 24,904 | 42,751 | 67,476 | 93,245 |
| 2015 | | | | 13,827 | 59,746 | 93,949 | 128,983 |
| 2016 | | | | | 46,440 | 84,942 | 123,837 |
| 2017 | | | | | | 30,073 | 70,228 |
| 2018 | | | | | | | 26,304 |
| | | | | | | | \$715,862 |
| All outstanding liabilities prior to 2012, net of reinsurance | | | | | | | 396,191 |
| Liabilities for claims and claim adjustment expenses, net of reinsurance | | | | | | | \$ 1,934,926 |

(Some amounts may not reconcile due to rounding.)

Average Annual Percentage Payout of
Incurred Claims by Age, Net of Reinsurance
(unaudited)

| Years | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----------|------|------|------|-------|-------|-------|------|
| Casualty | 7.1% | 9.5% | 9.4% | 10.6% | 10.7% | 10.6% | 8.1% |

F-29

Bermuda – Property Business

| Accident Year (Dollars in thousands) | Incurred Claims and Allocated Claim Adjustment Expenses, Net of reinsurance Years Ended December 31, | | | | | | | At December 31, 2018 Total of IBNR Liabilities Plus Expected Development on Reported Claims | | Cumulative Number of Reported Claims |
|---|---|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|---|--------|--|
| | 2012 (unaudited) | 2013 (unaudited) | 2014 (unaudited) | 2015 (unaudited) | 2016 (unaudited) | 2017 (unaudited) | 2018 | Reported | Claims | |
| 2012 | \$ 235,647 | \$ 178,542 | \$ 163,046 | \$ 158,650 | \$ 159,011 | \$ 159,810 | \$ 158,772 | 44 | N/A | |
| 2013 | | 205,875 | 148,275 | 130,693 | 121,612 | 121,024 | 120,638 | 93 | N/A | |
| 2014 | | | 180,617 | 158,678 | 132,743 | 129,395 | 129,403 | 1,345 | N/A | |
| 2015 | | | | 190,578 | 156,407 | 143,576 | 149,560 | 5,773 | N/A | |
| 2016 | | | | | 204,475 | 173,515 | 183,022 | 14,247 | N/A | |
| 2017 | | | | | | 397,639 | 326,371 | 68,179 | N/A | |
| 2018 | | | | | | | 417,933 | 211,999 | N/A | |
| | | | | | | | \$1,485,698 | | | |

(Some amounts may not reconcile due to rounding.)

| Accident Year (Dollars in thousands) | Cumulative Paid Claims and Allocated Claim Adjustment Expenses, Net of Reinsurance Years Ended December 31, | | | | | | |
|--|--|---------------------|---------------------|---------------------|---------------------|---------------------|------------|
| | 2012 (unaudited) | 2013 (unaudited) | 2014 (unaudited) | 2015 (unaudited) | 2016 (unaudited) | 2017 (unaudited) | 2018 |
| 2012 | \$ 45,230 | \$ 84,263 | \$ 115,420 | \$ 141,232 | \$ 147,802 | \$ 150,694 | \$ 152,352 |
| 2013 | | 31,476 | 68,081 | 107,590 | 114,644 | 116,653 | 117,649 |
| 2014 | | | 28,654 | 82,208 | 101,831 | 121,289 | 123,600 |
| 2015 | | | | 32,878 | 72,123 | 109,036 | 132,327 |
| 2016 | | | | | 26,771 | 76,426 | 128,948 |
| 2017 | | | | | | 39,296 | 130,013 |
| 2018 | | | | | | | 76,805 |
| | | | | | | | \$861,694 |
| All outstanding liabilities prior to 2012, net of reinsurance | | | | | | | 35,767 |
| Liabilities for claims and claim adjustment expenses, net of reinsurance | | | | | | | \$659,771 |

(Some amounts may not reconcile due to rounding.)

| | Average Annual Percentage Payout of Incurred Claims by Age, Net of Reinsurance (unaudited) | | | | | | |
|----------|--|-------|-------|-------|------|------|------|
| Years | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Property | 18.9% | 28.9% | 24.2% | 13.5% | 2.7% | 1.4% | 1.0% |

F-30

Insurance – Casualty Business

| Accident Year (Dollars in thousands) | Incurred Claims and Allocated Claim Adjustment Expenses, Net of reinsurance Years Ended December 31, | | | | | | | At December 31, 2018 Total of IBNR Liabilities Plus Expected Development on Reported Claims | |
|---|--|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|--|--------------------------------------|
| | 2012 (unaudited) | 2013 (unaudited) | 2014 (unaudited) | 2015 (unaudited) | 2016 (unaudited) | 2017 (unaudited) | 2018 | Number of Reported Claims | Cumulative Number of Reported Claims |
| 2012 | \$ 349,247 | \$ 351,052 | \$ 346,636 | \$ 347,954 | \$ 353,113 | \$ 343,717 | \$ 346,604 | 26,417 | 15,746 |
| 2013 | | 393,165 | 393,076 | 392,513 | 392,818 | 351,105 | 344,070 | 24,697 | 21,314 |
| 2014 | | | 430,475 | 456,454 | 453,994 | 460,074 | 396,313 | 48,264 | 25,112 |
| 2015 | | | | 518,596 | 526,974 | 534,548 | 540,769 | 160,787 | 26,729 |
| 2016 | | | | | 552,091 | 554,468 | 578,911 | 211,614 | 31,120 |
| 2017 | | | | | | 615,187 | 601,464 | 309,285 | 33,822 |
| 2018 | | | | | | | 701,774 | 526,090 | 27,224 |
| | | | | | | | \$3,509,905 | | |

(Some amounts may not reconcile due to rounding.)

| Accident Year (Dollars in thousands) | Cumulative Paid Claims and Allocated Claim Adjustment Expenses, Net of Reinsurance Years Ended December 31, | | | | | | |
|--|---|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|
| | 2012 (unaudited) | 2013 (unaudited) | 2014 (unaudited) | 2015 (unaudited) | 2016 (unaudited) | 2017 (unaudited) | 2018 |
| 2012 | \$ 33,158 | \$ 101,253 | \$ 157,822 | \$ 213,349 | \$ 246,274 | \$ 271,891 | \$ 294,202 |
| 2013 | | 33,301 | 117,013 | 176,273 | 224,548 | 260,075 | 285,680 |
| 2014 | | | 41,181 | 124,856 | 201,527 | 256,586 | 297,317 |
| 2015 | | | | 44,296 | 134,644 | 218,475 | 291,468 |
| 2016 | | | | | 54,707 | 164,012 | 268,510 |
| 2017 | | | | | | 53,869 | 171,978 |
| 2018 | | | | | | | 63,379 |
| | | | | | | | \$1,672,535 |
| All outstanding liabilities prior to 2012, net of reinsurance | | | | | | | 354,740 |
| Liabilities for claims and claim adjustment expenses, net of reinsurance | | | | | | | \$2,192,111 |

(Some amounts may not reconcile due to rounding.)

| | Average Annual Percentage Payout of Incurred Claims by Age, Net of Reinsurance (unaudited) | | | | | | |
|----------|---|-------|-------|-------|-------|------|------|
| Years | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Casualty | 9.2% | 19.7% | 17.3% | 14.2% | 10.0% | 7.4% | 6.4% |

F-31

Insurance – Property Business

| Accident Year (Dollars in thousands) | Incurred Claims and Allocated Claim Adjustment Expenses, Net of reinsurance Years Ended December 31, | | | | | | | At December 31, 2018 Total of IBNR Liabilities Plus Expected Development on Reported Claims | |
|--|---|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|---|--|
| | 2012 (unaudited) | 2013 (unaudited) | 2014 (unaudited) | 2015 (unaudited) | 2016 (unaudited) | 2017 (unaudited) | 2018 | Number of Reported Claims | Cumulative Number of Reported Claims |
| 2012 | \$ 106,216 | \$ 88,892 | \$ 81,671 | \$ 82,369 | \$ 81,945 | \$ 81,729 | \$ 81,906 | 103 | N/A |
| 2013 | | 111,910 | 97,831 | 91,017 | 91,921 | 92,011 | 92,171 | 499 | N/A |
| 2014 | | | 131,473 | 123,455 | 119,753 | 119,296 | 119,105 | 464 | N/A |
| 2015 | | | | 172,467 | 152,521 | 143,558 | 146,356 | 695 | N/A |
| 2016 | | | | | 300,481 | 273,901 | 278,813 | 1,185 | N/A |
| 2017 | | | | | | 523,669 | 485,125 | 27,538 | N/A |
| 2018 | | | | | | | 416,396 | 86,295 | N/A |
| | | | | | | | \$ 1,619,872 | | |

(Some amounts may not
reconcile due to
rounding.)

| Accident Year (Dollars in thousands) | Cumulative Paid Claims and Allocated Claim Adjustment Expenses, Net of Reinsurance Years Ended December 31, | | | | | | |
|--|--|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|
| | 2012 (unaudited) | 2013 (unaudited) | 2014 (unaudited) | 2015 (unaudited) | 2016 (unaudited) | 2017 (unaudited) | 2018 |
| 2012 | \$ 56,497 | \$ 81,700 | \$ 80,394 | \$ 81,674 | \$ 81,818 | \$ 81,609 | \$ 81,747 |
| 2013 | | 68,649 | 92,914 | 91,618 | 91,888 | 91,498 | 91,537 |
| 2014 | | | 81,755 | 115,890 | 118,060 | 118,043 | 118,375 |
| 2015 | | | | 101,975 | 140,960 | 142,089 | 144,823 |
| 2016 | | | | | 161,993 | 248,555 | 270,765 |
| 2017 | | | | | | 206,334 | 408,176 |
| 2018 | | | | | | | 254,270 |
| | | | | | | | \$ 1,369,694 |
| All outstanding liabilities prior to 2012, net of reinsurance | | | | | | | 330 |
| Liabilities for claims and claim adjustment expenses, net of reinsurance | | | | | | | \$ 250,508 |

(Some amounts may not reconcile due to rounding.)

Average Annual Percentage Payout of
Incurred Claims by Age, Net of Reinsurance
(unaudited)

| Years | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----------|-------|-------|------|------|------|------|------|
| Property | 63.4% | 30.8% | 3.2% | 1.0% | 0.1% | 0.1% | 0.2% |

F-32

Reconciliation of the Disclosure of Incurred and Paid Claims Development to the Liability for Unpaid Claims and Claim Adjustment Expenses

The reconciliation of the net incurred and paid claims development tables to the liability for claims and claim adjustment expenses in the consolidated statement of financial position is as follows.

| | December 31, 2018 | |
|---|-------------------|------------|
| (Dollars in thousands) | | |
| Net outstanding liabilities | | |
| U.S. Reinsurance Casualty | \$ | 2,035,448 |
| U.S. Reinsurance Property | | 2,291,749 |
| International Casualty | | 834,410 |
| International Property | | 1,116,288 |
| Bermuda Casualty | | 1,934,926 |
| Bermuda Property | | 659,771 |
| Insurance Casualty | | 2,192,111 |
| Insurance Property | | 250,508 |
| Liabilities for unpaid claims and claim adjustment expenses, net of reinsurance | | 11,315,210 |
| Reinsurance recoverable on unpaid claims | | |
| U.S. Reinsurance Casualty | | 395,446 |
| U.S. Reinsurance Property | | 232,957 |
| International Casualty | | 100,335 |
| International Property | | 99,430 |
| Bermuda Casualty | | (25) |
| Bermuda Property | | 143,752 |
| Insurance Casualty | | 520,754 |
| Insurance Property | | 126,992 |
| Total reinsurance recoverable on unpaid claims | | 1,619,641 |
| Insurance lines other than short-duration | | - |
| Unallocated claims adjustment expenses | | 144,554 |
| Other | | 39,685 |
| | | 184,239 |
| Total gross liability for unpaid claims and claim adjustment expense | \$ | 13,119,090 |

(Some amounts may not reconcile due to

rounding.)

Reserving Methodology

The Company maintains reserves equal to our estimated ultimate liability for losses and loss adjustment expense (LAE) for reported and unreported claims for our insurance and reinsurance businesses. Because reserves are based on estimates of ultimate losses and LAE by underwriting or accident year, the Company uses a variety of statistical and actuarial techniques to monitor reserve adequacy over time, evaluate new information as it becomes known, and adjust reserves whenever an adjustment appears warranted. The Company considers many factors when setting reserves including: (1) exposure base and projected ultimate premium; (2) expected loss ratios by product and class of business, which are developed collaboratively by underwriters and actuaries; (3) actuarial methodologies which analyze loss reporting and payment experience, reports from ceding companies and historical trends, such as reserving patterns, loss payments, and product mix; (4) current legal interpretations of coverage and liability; and (5) economic conditions. Insurance and reinsurance loss and LAE reserves represent the Company's best estimate of its ultimate liability. Actual loss and LAE ultimately paid may deviate, perhaps substantially, from such reserves. Net income (gain or loss) will be impacted in a period in which the change in estimated ultimate loss and LAE is recorded.

The detailed data required to evaluate ultimate losses for the Company's insurance business is accumulated from its underwriting and claim systems. Reserving for reinsurance requires evaluation of loss information received from ceding companies. Ceding companies report losses in many forms depending on the type of contract and the agreed or contractual reporting requirements. Generally, pro rata contracts require the submission of a monthly/quarterly account, which includes premium and loss activity for the period with

F-33

corresponding reserves as established by the ceding company. This information is recorded into the Company's records. For certain pro rata contracts, the Company may require a detailed loss report for claims that exceed a certain dollar threshold or relate to a particular type of loss. Excess of loss and facultative contracts generally require individual loss reporting with precautionary notices provided when a loss reaches a significant percentage of the attachment point of the contract or when certain causes of loss or types of injury occur. Experienced claims staff handles individual loss reports and supporting claim information. Based on evaluation of a claim, the Company may establish additional case reserves in addition to the case reserves reported by the ceding company. To ensure ceding companies are submitting required and accurate data, Everest's Underwriting, Claim, Reinsurance Accounting, and Internal Audit Departments perform various reviews of ceding companies, particularly larger ceding companies, including on-site audits.

The Company segments both reinsurance and insurance reserves into exposure groupings for actuarial analysis. The Company assigns business to exposure groupings so that the underlying exposures have reasonably homogeneous loss development characteristics and are large enough to facilitate credible estimation of ultimate losses. The Company periodically reviews its exposure groupings and may change groupings over time as business changes. The Company currently uses approximately 200 exposure groupings to develop reserve estimates. One of the key selection characteristics for the exposure groupings is the historical duration of the claims settlement process. Business in which claims are reported and settled relatively quickly are commonly referred to as short tail lines, principally property lines. On the other hand, casualty claims tend to take longer to be reported and settled and casualty lines are generally referred to as long tail lines. Estimates of ultimate losses for shorter tail lines, with the exception of loss estimates for large catastrophic events, generally exhibit less volatility than those for the longer tail lines.

The Company uses a variety of actuarial methodologies, such as the expected loss ratio method, chain ladder methods, and Bornhuetter-Ferguson methods, supplemented by judgment where appropriate, to estimate ultimate loss and LAE for each exposure group.

Expected Loss Ratio Method: The expected loss ratio method uses earned premium times an expected loss ratio to calculate ultimate losses for a given underwriting or accident year. This method relies entirely on expectation to project ultimate losses with no consideration given to actual losses. As such, it may be appropriate for an immature underwriting or accident year where few, if any, losses have been reported or paid, but less appropriate for a more mature year.

Chain Ladder Method: Chain ladder methods use a standard loss development triangle to project ultimate losses. Age-to-age development factors are selected for each development period and combined to calculate age-to-ultimate development factors which are then applied to paid or reported losses to project ultimate losses. This method relies entirely on actual paid or reported losses to project ultimate losses. No other factors such as changes in pricing or other expectations are taken into account. It is most appropriate for groups with homogeneous, stable experience where past development patterns are expected to continue in the future. It is least appropriate for groups which have changed significantly over time or which are more volatile.

Bornhuetter-Ferguson Method: The Bornhuetter-Ferguson method is a combination of the expected loss ratio method and the chain ladder method. Ultimate losses are projected based partly on actual paid or reported losses and partly on expectation. Incurred but not reported (IBNR) reserves are calculated using earned premium, an a priori loss ratio, and selected age-to-age development factors and added to actual reported (paid) losses to determine ultimate losses. It is more responsive to actual reported or paid development than the expected loss ratio method but less responsive than the chain ladder method. The reliability of the method depends on the accuracy of the selected a priori loss ratio.

Although the Company uses similar actuarial methods for both short tail and long tail lines, the faster reporting of experience for the short tail lines allows the Company to have greater confidence in its estimates of ultimate losses for short tail lines at an earlier stage than for long tail lines. As a result, the Company utilizes, as well, exposure-based methods to estimate its ultimate losses for longer tail lines, especially for immature underwriting or accident years.

For both short and long tail lines, the Company supplements these general approaches with analytically based judgments.

F-34

Key actuarial assumptions contain no explicit provisions for reserve uncertainty nor does the Company supplement the actuarially determined reserves for uncertainty.

Carried reserves at each reporting date are the Company's best estimate of ultimate unpaid losses and LAE at that date. The Company completes detailed reserve studies for each exposure group annually for both reinsurance and insurance operations. The completed annual reserve studies are "rolled-forward" for each accounting period until the subsequent reserve study is completed. Analyzing the roll-forward process involves comparing actual reported losses to expected losses based on the most recent reserve study. The Company analyzes significant variances between actual and expected losses and post adjustments to its reserves as warranted.

The Company continues to receive claims under expired insurance and reinsurance contracts asserting injuries and/or damages relating to or resulting from environmental pollution and hazardous substances, including asbestos. Environmental claims typically assert liability for (a) the mitigation or remediation of environmental contamination or (b) bodily injury or property damage caused by the release of hazardous substances into the land, air or water. Asbestos claims typically assert liability for bodily injury from exposure to asbestos or for property damage resulting from asbestos or products containing asbestos.

The Company's reserves include an estimate of the Company's ultimate liability for A&E claims. The Company's A&E liabilities emanate from Mt. McKinley's direct insurance business and Everest Re's assumed reinsurance business. All of the contracts of insurance and reinsurance, under which the Company has received claims during the past three years, expired more than 20 years ago. There are significant uncertainties surrounding the Company's reserves for its A&E losses.

A&E exposures represent a separate exposure group for monitoring and evaluating reserve adequacy. The following table summarizes incurred losses with respect to A&E reserves on both a gross and net of reinsurance basis for the periods indicated:

| (Dollars in thousands) | At December 31, | | |
|------------------------------|-----------------|-----------|-----------|
| | 2018 | 2017 | 2016 |
| Gross basis: | | | |
| Beginning of period reserves | \$448,994 | \$441,111 | \$433,117 |
| Incurring losses | (2,473) | 90,009 | 73,336 |
| Paid losses | (99,026) | (82,126) | (65,342) |
| End of period reserves | \$347,495 | \$448,994 | \$441,111 |
| Net basis: | | | |
| Beginning of period reserves | \$318,081 | \$319,072 | \$319,620 |
| Incurring losses | - | 37,137 | 53,909 |
| Paid losses | (56,624) | (38,128) | (54,457) |
| End of period reserves | \$261,456 | \$318,081 | \$319,072 |

In 2015, the Company sold Mt. McKinley, a Delaware domiciled insurance company and wholly-owned subsidiary of the Company to Clearwater Insurance Company, a Delaware domiciled insurance company. Concurrently with the closing, the Company entered into a retrocession treaty with an affiliate of Clearwater Insurance Company. Per the retrocession treaty, the Company retroceded 100% of the liabilities associated with certain Mt. McKinley policies, which related entirely to A&E business and had been reinsured by Bermuda Re. As consideration for entering into the retrocession treaty, Everest Re Bermuda transferred cash of \$140,279 thousand, an amount equal to the net loss reserves as of the closing date. The maximum liability retroceded under the retrocession treaty will be \$440,279

thousand, equal to the retrocession payment plus \$300,000 thousand. The Company will retain liability for any amounts exceeding the maximum liability retroceded under the retrocession treaty.

F-35

Reinsurance Receivables.

Reinsurance receivables for both paid and recoverable on unpaid losses totaled \$1,787,648 thousand and \$1,348,226 thousand at December 31, 2018 and December 31, 2017, respectively. At December 31, 2018, \$683,775 thousand, or 38.3%, was receivable from Mt. Logan Re collateralized segregated accounts; \$125,519 thousand, or 7.0% was receivable from Munich Reinsurance America, Inc. (“Munich Re”); \$122,050 thousand, or 6.8%, was receivable from Zurich Versicherungs Gesellschaft (“Zurich”); and \$103,052 thousand, or 5.8%, was receivable from Resolution Group Reinsurance (Barbados) Limited (“Resolution Group”). The receivables from Resolution Group are fully collateralized by an individual trust agreement. No other retrocessionaire accounted for more than 5% of our receivables.

Future Policy Benefit Reserve.

Activity in the reserve for future policy benefits is summarized for the periods indicated:

| (Dollars in thousands) | At December 31, | | |
|-----------------------------------|-----------------|----------|----------|
| | 2018 | 2017 | 2016 |
| Balance at beginning of year | \$51,014 | \$55,074 | \$58,910 |
| Liabilities assumed | 110 | 115 | 175 |
| Adjustments to reserves | 806 | (437) | 303 |
| Benefits paid in the current year | (5,151) | (3,738) | (4,315) |
| Balance at end of year | \$46,778 | \$51,014 | \$55,074 |

(Some amounts may not reconcile due to rounding.)

4. FAIR VALUE

GAAP guidance regarding fair value measurements address how companies should measure fair value when they are required to use fair value measures for recognition or disclosure purposes under GAAP and provides a common definition of fair value to be used throughout GAAP. It defines fair value as the price that would be received to sell an asset or paid to transfer a liability in an orderly fashion between market participants at the measurement date. In addition, it establishes a three-level valuation hierarchy for the disclosure of fair value measurements. The valuation hierarchy is based on the transparency of inputs to the valuation of an asset or liability. The level in the hierarchy within which a given fair value measurement falls is determined based on the lowest level input that is significant to the measurement, with Level 1 being the highest priority and Level 3 being the lowest priority.

The levels in the hierarchy are defined as follows:

Level 1: Inputs to the valuation methodology are observable inputs that reflect unadjusted quoted prices for identical assets or liabilities in an active market;

Level 2: Inputs to the valuation methodology include quoted prices for similar assets and liabilities in active markets, and inputs that are observable for the asset or liability, either directly or indirectly, for substantially the full term of the financial instrument;

Level 3: Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The Company’s fixed maturity and equity securities are primarily managed by third party investment asset managers. The investment asset managers obtain prices from nationally recognized pricing services. These services seek to utilize market data and observations in their evaluation process. They use pricing applications that vary by asset class and incorporate available market information and when fixed maturity securities do not trade on a daily basis the services will apply available information through processes such as benchmark curves, benchmarking of like

securities, sector groupings and matrix pricing. In addition, they use model processes, such as the Option Adjusted Spread model to develop prepayment and interest rate scenarios for securities that have prepayment features.

F-36

In limited instances where prices are not provided by pricing services or in rare instances when a manager may not agree with the pricing service, price quotes on a non-binding basis are obtained from investment brokers. The investment asset managers do not make any changes to prices received from either the pricing services or the investment brokers. In addition, the investment asset managers have procedures in place to review the reasonableness of the prices from the service providers and may request verification of the prices. In addition, the Company continually performs analytical reviews of price changes and tests the prices on a random basis to an independent pricing source. No material variances were noted during these price validation procedures. In limited situations, where financial markets are inactive or illiquid, the Company may use its own assumptions about future cash flows and risk-adjusted discount rates to determine fair value. At December 31, 2018, \$435,959 thousand of fixed maturities, market value and \$2,337 thousand of fixed maturities, fair value were fair valued using unobservable inputs. The majority of the fixed maturities, market value, \$354,143 thousand and all of the \$2,337 thousand of fixed maturities, fair value were valued by investment managers' valuation committees and a majority of these fair values were substantiated by valuations from independent third parties. The Company has procedures in place to review and evaluate these independent third party valuations. The remaining Level 3 fixed maturities \$80,663 thousand were fair valued by the Company at either par or amortized cost and \$1,153 thousand were priced using a non-binding broker quote. Due to the unavailability of prices for private placement securities at December 31, 2017, an investment manager's valuation committee valued these private placement securities at \$165,173 thousand. In addition, the Company valued one private placement security at \$51,965 thousand, representing par value.

The Company internally manages a public equity portfolio which had a fair value at December 31, 2018 and December 31, 2017 of \$124,228 thousand and \$386,241 thousand, respectively, and all prices were obtained from publicly published sources.

Equity securities denominated in U.S. currency with quoted prices in active markets for identical assets are categorized as level 1 since the quoted prices are directly observable. Equity securities traded on foreign exchanges are categorized as level 2 due to the added input of a foreign exchange conversion rate to determine fair or market value. The Company uses foreign currency exchange rates published by nationally recognized sources.

All categories of fixed maturity securities listed in the tables below are generally categorized as level 2, since a particular security may not have traded but the pricing services are able to use valuation models with observable market inputs such as interest rate yield curves and prices for similar fixed maturity securities in terms of issuer, maturity and seniority. For foreign government securities and foreign corporate securities, the fair values provided by the third party pricing services in local currencies, and where applicable, are converted to U.S. dollars using currency exchange rates from nationally recognized sources.

The fixed maturities with fair values categorized as level 3 result when prices are not available from the nationally recognized pricing services. The asset managers will then obtain non-binding price quotes for the securities from brokers. The single broker quotes are provided by market makers or broker-dealers who are recognized as market participants in the markets in which they are providing the quotes. The prices received from brokers are reviewed for reasonableness by the third party asset managers and the Company. If the broker quotes are for foreign denominated securities, the quotes are converted to U.S. dollars using currency exchange rates from nationally recognized sources. In limited circumstances when broker prices are not available for private placements, the Company will value the securities using comparable market information or receive fair values from investment managers.

The composition and valuation inputs for the presented fixed maturities categories are as follows:

U.S. Treasury securities and obligations of U.S. government agencies and corporations are primarily comprised of U.S. Treasury bonds and the fair value is based on observable market inputs such as quoted prices, reported trades, quoted prices for similar issuances or benchmark yields;

Obligations of U.S. states and political subdivisions are comprised of state and municipal bond issuances and the fair values are based on observable market inputs such as quoted market prices, quoted prices for similar securities, benchmark yields and credit spreads;

Corporate securities are primarily comprised of U.S. corporate and public utility bond issuances and the fair values are based on observable market inputs such as quoted market prices, quoted prices for similar securities, benchmark yields and credit spreads;

Asset-backed and mortgage-backed securities fair values are based on observable inputs such as quoted prices, reported trades, quoted prices for similar issuances or benchmark yields and cash flow models using observable inputs such as prepayment speeds, collateral performance and default spreads;

Foreign government securities are comprised of global non-U.S. sovereign bond issuances and the fair values are based on observable market inputs such as quoted market prices, quoted prices for similar securities and models with observable inputs such as benchmark yields and credit spreads and then, where applicable, converted to U.S. dollars using an exchange rate from a nationally recognized source;

Foreign corporate securities are comprised of global non-U.S. corporate bond issuances and the fair values are based on observable market inputs such as quoted market prices, quoted prices for similar securities and models with observable inputs such as benchmark yields and credit spreads and then, where applicable, converted to U.S. dollars using an exchange rate from a nationally recognized source.

The Company sold seven equity index put option contracts, based on two indices, in 2001 and 2005. The Company sold these equity index put options as insurance products with the intent of achieving a profit. These equity index put option contracts meet the definition of a derivative under FASB guidance and the Company's position in these equity index put option contracts is unhedged. Accordingly, these equity index put option contracts are carried at fair value in the consolidated balance sheets with changes in fair value recorded in the consolidated statements of operations and comprehensive income (loss). One of these contracts expired on June 9, 2017, with no liability due under the terms of the contract.

The Company has five remaining equity index put option contracts, based on the Standard & Poor's 500 ("S&P 500") index. Based on historical index volatilities and trends and the December 31, 2018 S&P 500 index value, the Company estimates the probability that each equity index put option contract of the S&P 500 index falling below the strike price on the exercise date to be less than 2%. The theoretical maximum payouts under these five equity index put option contracts would occur if on each of the exercise dates the S&P 500 index value were zero. At December 31, 2018, the present value of these theoretical maximum payouts using a 3% discount factor was \$412,550 thousand. Conversely, if the contracts had all expired on December 31, 2018, with the S&P index at \$2,506.85, there would have been no settlement amount.

The Company has one equity index put option contract based on the FTSE 100 index. Based on historical index volatilities and trends and the December 31, 2018 FTSE 100 index value, the Company estimates the probability that the equity index put option contract of the FTSE 100 index will fall below the strike price on the exercise date to be less than 24%. The theoretical maximum payout under the equity index put option contract would occur if on the exercise date the FTSE 100 index value was zero. At December 31, 2018, the present value of the theoretical

maximum payout using a 3% discount factor and current exchange rate was \$40,058 thousand. Conversely, if the contract had expired on December 31, 2018, with the FTSE index at 6,728.13, there would have been no settlement amount.

F-38

At December 31, 2018 and 2017, the fair value for these equity put options was \$11,958 thousand and \$12,477 thousand, respectively.

The Company's liability for equity index put options is categorized as level 3 since there is no active market for these equity put options. The fair values for these options are calculated by the Company using an industry accepted pricing model, Black-Scholes. The model inputs and assumptions are: risk free interest rates, equity market indexes values, volatilities and dividend yields and duration. The model results are then adjusted for the Company's credit default swap rate. All of these inputs and assumptions are updated quarterly. One of the option contracts is in British Pound Sterling so the fair value for this contract is converted to U.S. dollars using an exchange rate from a nationally recognized source.

The following table presents the fair value measurement levels for all assets and liabilities, which the Company has recorded at fair value (fair and market value) as of the periods indicated:

| (Dollars in thousands) | December 31, 2018 | Fair Value Measurement Using: | | |
|---|-------------------|--|---|---|
| | | Quoted Prices in Active Markets for Identical Assets (Level 1) | Significant Other Observable Inputs (Level 2) | Significant Unobservable Inputs (Level 3) |
| Assets: | | | | |
| Fixed maturities, market value | | | | |
| U.S. Treasury securities and obligations of U.S. government agencies and corporations | \$ 2,631,134 | \$- | \$2,631,134 | \$ - |
| Obligations of U.S. States and political subdivisions | 500,094 | - | 500,094 | - |
| Corporate securities | 5,445,532 | - | 5,017,317 | 428,215 |
| Asset-backed securities | 540,097 | - | 540,097 | - |
| Mortgage-backed securities | | | | |
| Commercial | 326,710 | - | 326,710 | - |
| Agency residential | 1,796,264 | - | 1,796,264 | - |
| Non-agency residential | 10,209 | - | 10,209 | - |
| Foreign government securities | 1,314,165 | - | 1,314,165 | - |
| Foreign corporate securities | 2,661,058 | - | 2,653,314 | 7,744 |
| Total fixed maturities, market value | 15,225,263 | - | 14,789,304 | 435,959 |
| Fixed maturities, fair value | 2,337 | - | - | 2,337 |
| Equity securities, fair value | 716,639 | 674,433 | 42,206 | - |
| Liabilities: | | | | |
| Equity index put option contracts | \$ 11,958 | \$- | \$- | \$ 11,958 |

There were no transfers between Level 1 and Level 2 for the twelve months ended December 31, 2018.

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The following table presents the fair value measurement levels for all assets and liabilities, which the Company has recorded at fair value (fair and market value) as of the periods indicated:

| (Dollars in thousands) | December 31, 2017 | Fair Value Measurement Using: | | |
|---|-------------------|--|---|---|
| | | Quoted Prices in Active Markets for Identical Assets (Level 1) | Significant Other Observable Inputs (Level 2) | Significant Unobservable Inputs (Level 3) |
| Assets: | | | | |
| Fixed maturities, market value | | | | |
| U.S. Treasury securities and obligations of U.S. government agencies and corporations | \$ 1,536,692 | \$- | \$ 1,536,692 | \$ - |
| Obligations of U.S. States and political subdivisions | 585,469 | - | 585,469 | - |
| Corporate securities | 5,699,005 | - | 5,488,819 | 210,186 |
| Asset-backed securities | 531,360 | - | 531,360 | - |
| Mortgage-backed securities | | | | |
| Commercial | 234,041 | - | 234,041 | - |
| Agency residential | 2,210,902 | - | 2,210,902 | - |
| Non-agency residential | 494 | - | 494 | - |
| Foreign government securities | 1,314,027 | - | 1,314,027 | - |
| Foreign corporate securities | 2,644,844 | - | 2,637,892 | 6,952 |
| Total fixed maturities, market value | 14,756,834 | - | 14,539,696 | 217,138 |
| Equity securities, market value | 129,530 | 113,506 | 16,024 | - |
| Equity securities, fair value | 963,572 | 941,739 | 21,833 | - |
| Liabilities: | | | | |
| Equity index put option contracts | \$ 12,477 | \$- | \$- | \$ 12,477 |

In addition, \$117,662 thousand and \$79,505 thousand of investments within other invested assets on the consolidated balance sheets as December 31, 2018 and 2017, respectively, are not included within the fair value hierarchy tables as the assets are measured at NAV as a practical expedient to determine fair value.

The following tables present the activity under Level 3, fair value measurements using significant unobservable inputs by asset type, for the periods indicated:

| (Dollars in thousands) | Total Fixed Maturities, Market Value | | | | | |
|--|--------------------------------------|-------------------|-----------|----------------------|-------------------|----------|
| | December 31, 2018 | | | December 31, 2017 | | |
| | Corporate Securities | Foreign Corporate | Total | Corporate Securities | Foreign Corporate | Total |
| Beginning balance fixed maturities at market value | \$210,186 | \$ 6,952 | \$217,138 | \$65,197 | \$ 2,538 | \$67,735 |
| Total gains or (losses) (realized/unrealized) | | | | | | |

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| | | | | | | |
|---|-----------|----------|-----------|-----------|----------|-----------|
| Included in earnings | (92) | (660) | (752) | 1,655 | 356 | 2,011 |
| Included in other comprehensive income (loss) | 1,091 | - | 1,091 | (992) | 46 | (946) |
| Purchases, issuances and settlements | 215,838 | (298) | 215,540 | 144,326 | 4,800 | 149,126 |
| Transfers in and/or (out) of Level 3 | 1,192 | 1,750 | 2,942 | - | (788) | (788) |
| Ending balance | \$428,215 | \$ 7,744 | \$435,959 | \$210,186 | \$ 6,952 | \$217,138 |

The amount of total gains or losses for the period included in earnings (or changes in net assets) attributable to the change in unrealized gains or losses relating to assets still held at the reporting date

\$- \$ - \$- \$- \$ - \$-

(Some amounts may not reconcile due to rounding.)

| (Dollars in thousands) | Total Fixed Maturities, Fair Value | | | |
|--|------------------------------------|----------|-------------------|-------|
| | December 31, 2018 | | December 31, 2017 | |
| | Foreign Corporate | Total | Foreign Corporate | Total |
| Beginning balance fixed maturities at fair value | \$ - | \$ - | \$ - | \$ - |
| Total gains or (losses) (realized/unrealized) | | | | |
| Included in earnings | (293) | (293) | - | - |
| Included in other comprehensive income (loss) | - | - | - | - |
| Purchases, issuances and settlements | 2,630 | 2,630 | - | - |
| Transfers in and/or (out) of Level 3 | - | - | - | - |
| Ending balance | \$ 2,337 | \$ 2,337 | \$ - | \$ - |

| | | | | |
|---|------|------|------|------|
| The amount of total gains or losses for the period included in earnings (or changes in net assets) attributable to the change in unrealized gains or losses relating to assets still held at the reporting date | \$ - | \$ - | \$ - | \$ - |
|---|------|------|------|------|

(Some amounts may not reconcile due to rounding.)

The net transfers to/(from) level 3, fair value measurements using significant unobservable inputs were \$2,942 thousand and (\$788) thousand as of December 31, 2018 and 2017, respectively, for fixed maturities, market value. The transfers during 2018 were related to securities that were priced using a recognized pricing service as of December 31, 2017. The securities were subsequently priced using single non-binding broker quotes as of December 31, 2018.

The following table presents the activity under Level 3, fair value measurements using significant unobservable inputs for equity index put option contracts, for the periods indicated:

| (Dollars in thousands) | Years Ended December 31, | |
|---|--------------------------|-----------|
| | 2018 | 2017 |
| Liabilities: | | |
| Balance, beginning of period | \$ 12,477 | \$ 22,059 |
| Total (gains) or losses (realized/unrealized) | | |
| Included in earnings | (520) | (9,581) |
| Included in other comprehensive income (loss) | - | - |
| Purchases, issuances and settlements | - | - |
| Transfers in and/or (out) of Level 3 | - | - |
| Balance, end of period | \$ 11,958 | \$ 12,477 |

| | | |
|--|------|------|
| The amount of total gains or losses for the period included in earnings (or changes in net assets) attributable to the change in unrealized gains or losses relating to liabilities still held at the reporting date | \$ - | \$ - |
|--|------|------|

(Some amounts may not reconcile due to rounding.)

5. CREDIT FACILITIES

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The Company has two active credit facilities for a total commitment of up to \$1,000,000 thousand and an additional credit facility for a total commitment of up to £30,000 thousand, providing for the issuance of letters of credit and/or unsecured revolving credit lines. The following table presents the interest and fees incurred in connection with the two credit facilities for the periods indicated:

| | Years Ended December 31, | | |
|-------------------------------|--------------------------|--------|--------|
| (Dollars in thousands) | 2018 | 2017 | 2016 |
| Credit facility fees incurred | \$ 420 | \$ 420 | \$ 793 |

F-41

The terms and outstanding amounts for each facility are discussed below:

Group Credit Facility

Effective May 26, 2016, Group, Everest Reinsurance (Bermuda), Ltd. (“Bermuda Re”) and Everest International Reinsurance, Ltd. (“Everest International”), both direct subsidiaries of Group, entered into a five year, \$800,000 thousand senior credit facility with a syndicate of lenders, which amended and restated in its entirety the June 22, 2012, four year, \$800,000 thousand senior credit facility. Both the May 26, 2016 and June 22, 2012 senior credit facilities, which have similar terms, are referred to as the “Group Credit Facility”. Wells Fargo Corporation (“Wells Fargo Bank”) is the administrative agent for the Group Credit Facility, which consists of two tranches. Tranche one provides up to \$200,000 thousand of unsecured revolving credit for liquidity and general corporate purposes, and for the issuance of unsecured standby letters of credit. The interest on the revolving loans shall, at the Company’s option, be either (1) the Base Rate (as defined below) or (2) an adjusted London Interbank Offered Rate (“LIBOR”) plus a margin. The Base Rate is the higher of (a) the prime commercial lending rate established by Wells Fargo Bank, (b) the Federal Funds Rate plus 0.5% per annum or (c) the one month LIBOR Rate plus 1.0% per annum. The amount of margin and the fees payable for the Group Credit Facility depends on Group’s senior unsecured debt rating. Tranche two exclusively provides up to \$600,000 thousand for the issuance of standby letters of credit on a collateralized basis.

The Group Credit Facility requires Group to maintain a debt to capital ratio of not greater than 0.35 to 1 and to maintain a minimum net worth. Minimum net worth is an amount equal to the sum of \$5,370,979 thousand plus 25% of consolidated net income for each of Group’s fiscal quarters, for which statements are available ending on or after March 31, 2016 and for which consolidated net income is positive, plus 25% of any increase in consolidated net worth during such period attributable to the issuance of ordinary and preferred shares, which at December 31, 2018, was \$5,994,924 thousand. As of December 31, 2018, the Company was in compliance with all Group Credit Facility covenants.

The following table summarizes the outstanding letters of credit and/or borrowings for the periods indicated:

| (Dollars in thousands) | At December 31, 2018 | | | At December 31, 2017 | | |
|--|----------------------|-----------|----------------|----------------------|-----------|----------------|
| | Commitment | Use | Date of Expiry | Commitment | Use | Date of Expiry |
| Bank | | | | | | |
| Wells Fargo Bank Group Credit Facility | | | | | | |
| Tranche One | \$200,000 | \$- | | \$200,000 | \$- | |
| Tranche Two | 600,000 | 558,818 | 12/31/2019 | 600,000 | 538,214 | 12/31/2018 |
| Total Wells Fargo Bank Group Credit Facility | \$800,000 | \$558,818 | | \$800,000 | \$538,214 | |

Bermuda Re Letter of Credit Facility

Effective December 10, 2018, Bermuda Re renewed its letter of credit issuance facility with Citibank N.A. referred to as the “Bermuda Re Letter of Credit Facility”, which commitment is reconfirmed annually with updated fees. The current renewal of the Bermuda Re Letter of Credit Facility provides for the issuance of up to \$200,000 thousand of secured letters of credit to collateralize reinsurance obligations as a non-admitted reinsurer. The interest on drawn letters of credit shall be (A) 0.35% per annum of the principal amount of issued standard letters of credit (expiry of 15 months or less) and (B) 0.45% per annum of the principal amount of issued extended tenor letters of credit (expiry maximum of up to 60 months). The commitment fee on undrawn credit shall be 0.15% per annum.

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The following table summarizes the outstanding letters of credit for the periods indicated:

| (Dollars in thousands) | At December 31, 2018 | | | At December 31, 2017 | | |
|---|----------------------|-----------|----------------|----------------------|-----------|----------------|
| | Commitment | In Use | Date of Expiry | Commitment | In Use | Date of Expiry |
| Bank | | | | | | |
| Citibank Bilateral Letter of Credit Agreement | \$200,000 | \$3,482 | 2/28/2019 | \$250,000 | \$3,297 | 2/28/2018 |
| | | 3,672 | 11/24/2019 | | 3,672 | 11/24/2018 |
| | | 72,443 | 12/31/2019 | | 73,626 | 12/31/2018 |
| | | 296 | 8/15/2020 | | 344 | 8/30/2019 |
| | | 177 | 12/16/2020 | | 93,855 | 12/30/2021 |
| | | 125 | 12/20/2020 | | - | |
| | | 1,851 | 11/4/2022 | | - | |
| | | 407 | 11/13/2022 | | - | |
| | | 59,293 | 12/30/2022 | | - | |
| Total Citibank Bilateral Agreement | \$200,000 | \$141,746 | | \$250,000 | \$174,794 | |

Everest International Credit Facility

Effective November 9, 2018, Everest International renewed its credit facility with Lloyds Bank plc (“Everest International Credit Facility”). The current renewal of the Everest International Credit Facility has a four year term and provides up to £30,000 thousand for the issuance of standby letters of credit on a collateralized basis. The Company pays a commitment fee of 0.1% per annum on the average daily amount of the remainder of (1) the aggregate amount available under the facility and (2) the aggregate amount of drawings outstanding under the facility. The Company pays a credit commission fee of 0.35% per annum on drawings outstanding under the facility.

The Everest International Credit Facility requires Group to maintain a debt to capital ratio of not greater than 0.35 to 1 and to maintain a minimum net worth. Minimum net worth is an amount equal to the sum of \$5,326,009 thousand (70% of consolidated net worth as of December 31, 2015), plus 25% of consolidated net income for each of Group’s fiscal quarters, for which statements are available ending on or after January 1, 2015 and for which net income is positive, plus 25% of any increase in consolidated net worth of Group during such period attributable to the issuance of ordinary and preferred shares, which at December 31, 2018, was \$5,985,672 thousand. As of December 31, 2018, the Company was in compliance with all Everest International Credit Facility requirements.

The following table summarizes the outstanding letters of credit for the periods indicated:

| (Dollars in thousands) | At December 31, 2018 | | | At December 31, 2017 | | |
|------------------------------------|----------------------|---------|----------------|----------------------|--------|----------------|
| | Commitment | In Use | Date of Expiry | Commitment | In Use | Date of Expiry |
| Bank | | | | | | |
| Lloyd's Bank plc | £30,000 | £26,000 | 12/31/2022 | £145,000 | £- | |
| | - | - | | - | - | |
| Total Lloyd's Bank Credit Facility | £30,000 | £26,000 | | £145,000 | £- | |

6. SENIOR NOTES

The table below displays Holdings’ outstanding senior notes. Market value is based on quoted market prices, but due to limited trading activity, these senior notes are considered Level 2 in the fair value hierarchy.

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| (Dollars in thousands) | Date Issued | Date Due | Principal Amounts | December 31, 2018 | | December 31, 2017 | |
|------------------------|-------------|------------|-------------------|-----------------------------------|--------------|-----------------------------------|--------------|
| | | | | Consolidated Balance Sheet Amount | Market Value | Consolidated Balance Sheet Amount | Market Value |
| Senior notes | 06/05/2014 | 06/01/2044 | 400,000 | \$396,954 | \$ 396,968 | \$396,834 | \$ 420,340 |

On June 5, 2014, Holdings issued \$400,000 thousand of 30 year senior notes at 4.868%, which will mature on June 1, 2044. Interest will be paid semi-annually on June 1 and December 1 of each year.

F-43

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Interest expense incurred in connection with these senior notes is as follows for the periods indicated:

| | Years Ended December 31, | | |
|---------------------------|--------------------------|----------|----------|
| (Dollars in thousands) | 2018 | 2017 | 2016 |
| Interest expense incurred | \$19,472 | \$19,472 | \$19,472 |

7. LONG TERM SUBORDINATED NOTES

The table below displays Holdings' outstanding fixed to floating rate long term subordinated notes. Market value is based on quoted market prices, but due to limited trading activity, these subordinated notes are considered Level 2 in the fair value hierarchy.

| (Dollars in thousands) | Date Issued | Original Principal Amount | Maturity Date | | December 31, 2018 Consolidated Balance | | December 31, 2017 Consolidated Balance | |
|------------------------------|-------------|---------------------------|---------------|------------|--|--------------|--|--------------|
| | | | Scheduled | Final | Sheet Amount | Market Value | Sheet Amount | Market Value |
| Long term subordinated notes | 04/26/2007 | \$ 400,000 | 05/15/2037 | 05/01/2067 | \$236,659 | \$ 200,390 | \$236,561 | \$ 233,072 |

During the fixed rate interest period from May 3, 2007 through May 14, 2017, interest was at the annual rate of 6.6%, payable semi-annually in arrears on November 15 and May 15 of each year, commencing on November 15, 2007. During the floating rate interest period from May 15, 2017 through maturity, interest will be based on the 3 month LIBOR plus 238.5 basis points, reset quarterly, payable quarterly in arrears on February 15, May 15, August 15 and November 15 of each year, subject to Holdings' right to defer interest on one or more occasions for up to ten consecutive years. Deferred interest will accumulate interest at the applicable rate compounded quarterly for periods from and including May 15, 2017. The reset quarterly interest rate for November 15, 2018 to February 14, 2019 is 5.0%.

Holdings may redeem the long term subordinated notes on or after May 15, 2017, in whole or in part at 100% of the principal amount plus accrued and unpaid interest; however, redemption on or after the scheduled maturity date and prior to May 1, 2047 is subject to a replacement capital covenant. This covenant is for the benefit of certain senior note holders and it mandates that Holdings receive proceeds from the sale of another subordinated debt issue, of at least similar size, before it may redeem the subordinated notes. Effective upon the maturity of the Company's 5.40% senior notes on October 15, 2014, the Company's 4.868% senior notes, due on June 1, 2044, have become the Company's long term indebtedness that ranks senior to the long term subordinated notes.

On March 19, 2009, Group announced the commencement of a cash tender offer for any and all of the 6.60% fixed to floating rate long term subordinated notes. Upon expiration of the tender offer, the Company had reduced its outstanding debt by \$161,441 thousand.

Interest expense incurred in connection with these long term subordinated notes is as follows for the periods indicated:

| | Years Ended December 31, | | |
|------------------------|--------------------------|------|------|
| (Dollars in thousands) | 2018 | 2017 | 2016 |

Interest expense incurred \$10,926 \$11,498 \$15,749

F-44

8. COLLATERALIZED REINSURANCE AND TRUST AGREEMENTS

Certain subsidiaries of Group have established trust agreements, which effectively use the Company's investments as collateral, as security for assumed losses payable to certain non-affiliated ceding companies. At December 31, 2018, the total amount on deposit in trust accounts was \$772,497 thousand.

The Company reinsures some of its catastrophe exposures with the segregated accounts of Mt. Logan Re. Mt. Logan Re is a Class 3 insurer registered in Bermuda effective February 27, 2013 under The Segregated Accounts Companies Act 2000 and 100% of the voting common shares are owned by Group. Separate segregated accounts for Mt. Logan Re began being established effective July 1, 2013 and non-voting, redeemable preferred shares have been issued to capitalize the segregated accounts. Each segregated account invests predominantly in a diversified set of catastrophe exposures, diversified by risk/peril and across different geographic regions globally.

The following table summarizes the premiums and losses that are ceded by the Company to Mt. Logan Re segregated accounts and assumed by the Company from Mt. Logan Re segregated accounts.

| Mt. Logan Re Segregated Accounts (Dollars in thousands) | Years Ended December 31, | | |
|--|--------------------------|---------|---------|
| | 2018 | 2017 | 2016 |
| Ceded written premiums | 242,755 | 228,514 | 197,537 |
| Ceded earned premiums | 247,334 | 226,505 | 191,568 |
| Ceded losses and LAE | 311,274 | 323,664 | 44,802 |
| Assumed written premiums | 10,582 | 11,984 | 14,563 |
| Assumed earned premiums | 10,582 | 11,984 | 14,563 |
| Assumed losses and LAE | - | - | - |

Each segregated account is permitted to assume net risk exposures equal to the amount of its available posted collateral, which in the aggregate was \$1,156,853 thousand and \$837,202 thousand at December 31, 2018 and 2017, respectively. Of this amount, Group had investments valued at \$45,625 thousand and \$50,373 thousand at December 31, 2018 and 2017, respectively, in the segregated accounts.

Effective April 1, 2018, the Company entered into a retroactive reinsurance transaction with one of the Mt. Logan Re segregated accounts to retrocede \$269,198 thousand of casualty reserves held by Bermuda Re related to accident years 2002 through 2015. As consideration for entering the agreement, the Company transferred cash of \$252,000 thousand to the Mt. Logan Re segregated account. The maximum liability to be retroceded under the agreement will be \$319,000 thousand. The Company will retain liability for any amounts exceeding the maximum liability.

On April 24, 2014, the Company entered into two collateralized reinsurance agreements with Kilimanjaro Re Limited ("Kilimanjaro"), a Bermuda based special purpose reinsurer, to provide the Company with catastrophe reinsurance coverage. These agreements are multi-year reinsurance contracts which cover specified named storm and earthquake events. The first agreement provides up to \$250,000 thousand of reinsurance coverage from named storms in specified states of the Southeastern United States. The second agreement provides up to \$200,000 thousand of reinsurance coverage from named storms in specified states of the Southeast, Mid-Atlantic and Northeast regions of the United States and Puerto Rico as well as reinsurance coverage from earthquakes in specified states of the Southeast, Mid-Atlantic, Northeast and West regions of the United States, Puerto Rico and British Columbia. These reinsurance agreements expired in April, 2018.

On November 18, 2014, the Company entered into a collateralized reinsurance agreement with Kilimanjaro to provide the Company with catastrophe reinsurance coverage. This agreement is a multi-year reinsurance contract which covers specified earthquake events. The agreement provides up to \$500,000 thousand of reinsurance coverage from earthquakes in the United States, Puerto Rico and Canada.

F-45

On December 1, 2015 the Company entered into two collateralized reinsurance agreements with Kilimanjaro to provide the Company with catastrophe reinsurance coverage. These agreements are multi-year reinsurance contracts which cover named storm and earthquake events. The first agreement provides up to \$300,000 thousand of reinsurance coverage from named storms and earthquakes in the United States, Puerto Rico and Canada. The second agreement provides up to \$325,000 thousand of reinsurance coverage from named storms and earthquakes in the United States, Puerto Rico and Canada.

On April 13, 2017 the Company entered into six collateralized reinsurance agreements with Kilimanjaro to provide the Company with annual aggregate catastrophe reinsurance coverage. The initial three agreements are four year reinsurance contracts which cover named storm and earthquake events. These agreements provide up to \$225,000 thousand, \$400,000 thousand and \$325,000 thousand, respectively, of annual aggregate reinsurance coverage from named storms and earthquakes in the United States, Puerto Rico and Canada. The subsequent three agreements are five year reinsurance contracts which cover named storm and earthquake events. These agreements provide up to \$50,000 thousand, \$75,000 thousand and \$175,000 thousand, respectively, of annual aggregate reinsurance coverage from named storms and earthquakes in the United States, Puerto Rico and Canada.

On April 30, 2018 the Company entered into four collateralized reinsurance agreements with Kilimanjaro to provide the Company with catastrophe reinsurance coverage. These agreements are multi-year reinsurance contracts which cover named storm and earthquake events. The first two agreements are four year reinsurance contracts which provide up to \$62,500 thousand and \$200,000 thousand, respectively, of annual aggregate reinsurance coverage from named storms and earthquakes in the United States, Puerto Rico, the U.S. Virgin Islands and Canada. The remaining two agreements are five year reinsurance contracts which provide up to \$62,500 thousand and \$200,000 thousand, respectively, of annual aggregate reinsurance coverage from named storms and earthquakes in the United States, Puerto Rico, the U.S. Virgin Islands and Canada.

Recoveries under these collateralized reinsurance agreements with Kilimanjaro are primarily dependent on estimated industry level insured losses from covered events, as well as, the geographic location of the events. The estimated industry level of insured losses is obtained from published estimates by an independent recognized authority on insured property losses. Currently, none of the published insured loss estimates for the 2017 catastrophe events have exceeded the single event retentions under the terms of the agreements that would result in a recovery. In addition, the aggregation of the to-date published insured loss estimates for the 2017 covered events have not exceeded the aggregated retentions for recovery. However, if the published estimates for insured losses for the covered 2017 events increase, the aggregate losses may exceed the aggregate event retentions under the agreements resulting in a recovery.

Kilimanjaro has financed the various property catastrophe reinsurance coverages by issuing catastrophe bonds to unrelated, external investors. On April 24, 2014, Kilimanjaro issued \$450,000 thousand of notes (“Series 2014-1 Notes”). The \$450,000 thousand of Series 2014-1 Notes were fully redeemed on April 30, 2018 and are no longer outstanding. On November 18, 2014, Kilimanjaro issued \$500,000 thousand of notes (“Series 2014-2 Notes”). On December 1, 2015, Kilimanjaro issued \$625,000 thousand of notes (“Series 2015-1 Notes”). On April 13, 2017, Kilimanjaro issued \$950,000 thousand of notes (“Series 2017-1 Notes”) and \$300,000 thousand of notes (“Series 2017-2 Notes”). On April 30, 2018, Kilimanjaro issued \$262,500 thousand of notes (“Series 2018-1 Notes”) and \$262,500 thousand of notes (“Series 2018-2 Notes”). The proceeds from the issuance of the Notes listed above are held in reinsurance trust throughout the duration of the applicable reinsurance agreements and invested solely in US government money market funds with a rating of at least “AAAm” by Standard & Poor’s.

9. OPERATING LEASE AGREEMENTS

The future minimum rental commitments, exclusive of cost escalation clauses, at December 31, 2018, for all of the Company's operating leases with remaining non-cancelable terms in excess of one year are as follows:

| | |
|------------------------|-----------|
| (Dollars in thousands) | |
| 2019 | \$ 18,992 |
| 2020 | 18,365 |
| 2021 | 9,469 |
| 2022 | 9,180 |
| 2023 | 8,919 |
| Thereafter | 26,916 |
| Net commitments | \$91,841 |

(Some amounts may not reconcile due to rounding.)

All of these leases, the expiration terms of which range from 2019 to 2032, are for the rental of office space. Rental expense was \$22,883 thousand, \$19,490 thousand and \$17,663 thousand for the years ended December 31, 2018, 2017 and 2016, respectively.

10. INCOME TAXES

Under Bermuda law, no income or capital gains taxes are imposed on Group and its Bermuda Subsidiaries. The Minister of Finance of Bermuda has assured Group and its Bermuda subsidiaries that, pursuant to The Exempted Undertakings Tax Protection Amendment Act of 2011, they will be exempt until 2035 from imposition of any such taxes.

All of the income of Group's non-Bermuda subsidiaries is subject to the applicable federal, foreign, state and local taxes on corporations. Additionally, the income of the foreign branches of the Company's insurance operating companies, in particular the UK branch of Bermuda Re, is subject to various rates of income tax. Group's U.S. subsidiaries conduct business in and are subject to taxation in the U.S. Should the U.S. subsidiaries distribute current or accumulated earnings and profits in the form of dividends or otherwise, the Company would be subject to an accrual of 5% U.S. withholding tax. Currently, however, no withholding tax has been accrued with respect to such un-remitted earnings as management has no intention of remitting them. The cumulative amount that would be subject to withholding tax, if distributed, is not practicable to compute. The provision for income taxes in the consolidated statement of operations and comprehensive income (loss) has been determined in accordance with the individual income of each entity and the respective applicable tax laws. The provision reflects the permanent differences between financial and taxable income relevant to each entity. The TCJA, enacted on December 22, 2017, caused the Company to record income tax expense of \$8,246 thousand in 2017. The income tax expense reflects the lower 21% tax benefit to be realized by the Company under the TCJA upon the reversal of the temporary differences in its deferred tax inventory account versus the 35% tax benefit that had been expected to be realized before TCJA. The significant components of the provision are as follows for the periods indicated:

| | | | |
|--------------------------------|--------------------------|-------------|----------|
| (Dollars in thousands) | Years Ended December 31, | | |
| | 2018 | 2017 | 2016 |
| Current tax expense (benefit): | | | |
| U.S. | \$(38,625) | \$(117,173) | \$30,971 |

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| | | | |
|--------------------------------------|-------------|-------------|-----------|
| Non-U.S. | 6,497 | 2,849 | 4,228 |
| Total current tax expense (benefit) | (32,128) | (114,324) | 35,199 |
| Deferred tax expense (benefit): | | | |
| U.S. | (297,798) | 49,763 | 70,995 |
| Non-U.S. | (97) | 777 | (2,694) |
| Total deferred tax expense (benefit) | (297,895) | 50,540 | 68,301 |
| Total income tax expense (benefit) | \$(330,023) | \$(63,784) | \$103,500 |

(Some amounts may not reconcile due to rounding.)

F-47

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The weighted average expected tax provision has been calculated using the pre-tax income (loss) in each jurisdiction multiplied by that jurisdiction's applicable statutory tax rate. Reconciliation of the difference between the provision for income taxes and the expected tax provision at the weighted average tax rate for the periods indicated is provided below:

| (Dollars in thousands) | Years Ended December 31, | | | | | |
|---|--------------------------|-------------|-------------|-----------|-----------|-----------|
| | 2018 | | 2017 | | 2016 | |
| | U.S. | Non-U.S. | U.S. | Non-U.S. | U.S. | Non-U.S. |
| Underwriting gain (loss) | \$(1,407,020) | \$796,745 | \$(516,167) | \$308,646 | \$208,821 | \$480,602 |
| Net investment income | 283,569 | 297,614 | 255,310 | 287,588 | 230,691 | 242,393 |
| Net realized capital gains (losses) | (90,033) | (37,103) | 148,099 | 5,095 | (16,465) | 9,249 |
| Net derivative gain (loss) | - | 520 | - | 9,581 | - | 18,647 |
| Corporate expenses | (11,035) | (19,637) | (7,394) | (18,529) | (8,276) | (18,955) |
| Interest, fee and bond issue cost amortization expense | (30,611) | (420) | (31,183) | (420) | (35,435) | (793) |
| Other income (expense) | (177) | (8,883) | 30,325 | (65,767) | (5,536) | (5,101) |
| Pre-tax income (loss) | \$(1,255,307) | \$1,028,836 | \$(121,010) | \$526,194 | \$373,801 | \$726,043 |
| Expected tax provision at the applicable statutory rate(s) | (263,712) | 9,647 | (42,355) | 6,843 | 130,830 | 2,387 |
| Increase (decrease) in taxes resulting from: | | | | | | |
| Tax exempt income | (3,824) | - | (8,488) | - | (9,078) | - |
| Dividend received deduction | (1,520) | - | (4,639) | - | (4,913) | - |
| Proration | 1,150 | - | 1,760 | - | 1,931 | - |
| Affiliated preferred stock dividends | 6,517 | - | 10,861 | - | 10,861 | - |
| Creditable foreign premium tax | (13,475) | - | (7,515) | - | (6,134) | - |
| Tax audit settlement | (2,094) | - | (11,516) | - | (18,644) | - |
| U.S. rate differential on carryback of net operation losses to PY | (43,734) | - | - | - | - | - |
| U.S. rate differential on deferred tax 2017 return to provision | (28,411) | - | - | - | - | - |
| Share based compensation tax benefits formerly in APIC | (3,333) | (120) | (6,716) | (235) | - | - |
| Impact of U.S. tax reform | - | - | 8,246 | - | - | - |
| Impact of prior year accounting adjustment | - | - | (8,986) | - | - | - |
| Change in uncertain tax positions | 8,434 | - | - | - | - | - |
| Other | 7,579 | (3,127) | 1,938 | (2,982) | (2,887) | (853) |
| Total income tax provision | \$(336,423) | \$6,400 | \$(67,410) | \$3,626 | \$101,966 | \$1,534 |

(Some amounts may not reconcile due to rounding.)

Reconciliation of the beginning and ending unrecognized tax benefits, for the periods indicated, is as follows:

(Dollars in thousands)

| | | | |
|--|------|------|------|
| | 2018 | 2017 | 2016 |
|--|------|------|------|

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| | | | |
|--|---------|------|------|
| Balance at January 1 | \$- | \$ - | \$ - |
| Additions based on tax positions related to the current year | - | - | - |
| Additions for tax positions of prior years | 8,434 | - | - |
| Reductions for tax positions of prior years | - | - | - |
| Settlements with taxing authorities | - | - | - |
| Lapses of applicable statutes of limitations | - | - | - |
| Balance at December 31 | \$8,434 | \$ - | \$ - |

At December 31, 2018, the Company's unrecognized tax benefits, excluding interest and penalties, that would impact the effective tax rate were \$8,434 thousand, and is all related to the Company's U.S. operations.

Interest and penalties related to unrecognized tax benefits are recognized in income tax expense. At December 31, 2018, the Company accrued \$0 thousand for the payment of interest (net of the federal benefit) and penalties. Although it is reasonably possible that a change in the balance of unrecognized tax benefits may occur within the next 12 months, based on the information currently available, the Company does not expect any change to be material to the Company's financial statements.

During 2016, the Internal Revenue Service ("IRS") completed its audit of the Company for the 2009 through 2013 tax years and issued a final Revenue Agent Report ("RAR"). The Company received the expected net tax refund for \$43,682 thousand plus net interest (meaning interest income, net of federal income tax) of \$1,252 thousand from the IRS in January, 2018.

F-48

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The Company's 2014 and subsequent U.S. tax years are open to audit by the IRS and, in 2018, the IRS opened an audit of the 2014 tax year. To date, the Company has not received any notices of proposed adjustments. The Company did propose affirmative beneficial tax return adjustments to the IRS at the start of the audit. In total, the Company expects a net tax refund of \$35,087 thousand plus net interest of \$1,539 thousand for the 2014 tax year. This refund is subject to IRS Joint Committee review and approval.

For tax year 2015, the total amount expected to be refunded from the IRS is \$44,611 thousand plus net interest of \$668 thousand as a result of the Company amending their originally filed tax return and filing of a Net Operating Loss ("NOL") carryback claim with the IRS in 2018 for the 2017 NOL incurred in the U.S.

For tax year 2016, the total amount expected to be refunded from the IRS is \$48,268 thousand plus net interest of \$267 thousand as a result of the Company planning to file an amended US income tax return and carryback of its expected 2018 NOL incurred in the U.S.

Deferred Income taxes reflect the tax effect of the temporary differences between the value of assets and liabilities for financial statement purposes and such values as measured by the U.S. tax laws and regulations. The principal items making up the net deferred income tax assets/(liabilities) are as follows for the periods indicated:

| (Dollars in thousands) | Years Ended December 31, | |
|--|--------------------------|-----------|
| | 2018 | 2017 |
| Deferred tax assets: | | |
| Foreign Tax Credits | \$ 167,685 | \$ 15,914 |
| Net operating loss carryforward | 105,787 | 9,645 |
| Loss reserves | 64,135 | 52,649 |
| Unearned premium reserves | 63,309 | 55,034 |
| Net unrealized losses on benefit plans | 17,921 | 19,120 |
| Unrealized foreign currency losses | 12,596 | 1,550 |
| Net unrealized investment losses | 10,815 | - |
| Net fair value losses | 7,196 | - |
| Uncollectible reinsurance reserves | 3,142 | 3,320 |
| Deferred expenses | 1,992 | 1,759 |
| Investment impairments | 1,291 | 1,144 |
| Benefit plan liability | - | 10,417 |
| Alternative minimum tax credits | - | 363 |
| Other assets | 9,529 | 10,494 |
| Total deferred tax assets | 465,398 | 181,409 |
| Deferred tax liabilities: | | |
| Deferred acquisition costs | 74,736 | 64,997 |
| Partnership investments | 14,936 | 2,149 |
| Benefit plan asset | 3,600 | - |
| Net fair value income | - | 58,983 |
| Net unrealized investment gains | - | 11,576 |
| Gain on tender of debt | - | 3,287 |
| Other liabilities | 3,868 | 2,174 |
| Total deferred tax liabilities | 97,140 | 143,165 |
| Net deferred tax assets | 368,258 | 38,244 |
| Less: Valuation allowance | (9,309) | (9,560) |
| Total net deferred tax assets | \$ 358,949 | \$ 28,684 |

(Some amounts may not reconcile due to rounding.)

At December 31, 2018, the Company has \$167,685 thousand of Foreign Tax Credits (“FTCs”) and \$0 thousand of Alternative Minimum Tax (“AMT”) credit carry forwards. The FTCs expire in various amounts between 2019 and 2028. Beginning in 2018, AMT credits are recorded as a current receivable as a result of the TCJA converting them into refundable credits to be received no later than with the filing of the 2021 US corporation income tax return. The Company also has a tax effected US NOL carryforward of \$96,564 thousand. This NOL carryforward does not expire until 2038.

F-49

Management believes that it is more likely than not that the Company will realize the majority of its deferred tax assets, however, a valuation allowance of \$9,309 thousand and \$9,560 thousand has been recorded in 2018 and 2017, respectively, against the NOL deferred tax assets in its Canadian and UK subsidiaries. The Canadian NOLs begin to expire in 2035 and the UK NOLs do not expire.

In performing our assessment of the recoverability of the deferred tax asset pursuant to ASC 740, the Company considered tax laws governing the utilization of the net operating loss and foreign tax credit carryforwards and other deferred tax assets in each applicable jurisdiction. Under U.S. tax law, a company generally must use its net operating loss carryforwards before it can use its foreign tax credit carryforwards. The Company evaluated all negative and positive evidence impacting the realization of its deferred tax assets as of December 31, 2018 in the U.S. tax jurisdiction. Evidence considered in the analysis included the Company's ability to carryback net operating losses generated in 2017 and 2018. In addition, the Company implemented planning actions during 2018 and early 2019 to increase its planned U.S. source and foreign source income to better enable it to utilize its U.S. deferred tax assets and tax attributes. As of December 31, 2018, based on all available evidence, the Company has concluded it is more likely than not that the U.S. net operating loss and foreign tax credit carryforwards will be utilized prior to expiration and, thus, no valuation allowance has been established in the U.S. jurisdiction.

As a result of the TCJA, the Company recognized an \$8,246 thousand tax expense in the Company's Consolidated Statements of Operations for the year ended December 31, 2017. In accordance with SEC Staff Accounting Bulletin 118, in 2017 the Company recorded the effects of the TCJA using reasonable estimates due to the need for further analysis to complete the accounting.

During 2018, the Company completed its accounting, including interpretation of additional guidance issued by the IRS and U.S. Department of the Treasury, and recognized an income tax benefit of \$28,411 thousand primarily related to the 2017 tax return to tax provision true-up recorded in 2018.

Effective January 1, 2017, the Company adopted ASU 2016-09 which provided new guidance on the treatment of the tax effects of share based compensation transactions. ASU 2016-09 required that the income tax effects of restricted stock vestings and stock option exercises resulting from the change in value of share based compensation awards between the grant date and settlement (vesting/exercise) date be recorded as part of income tax expense (benefit) within the consolidated statements of operations and comprehensive income (loss). Per the new guidance, the Company recorded excess tax benefits of \$3,453 thousand and \$6,951 thousand related to restricted stock vestings and stock option exercises as part of income tax expense (benefit) within the consolidated statements of operations and comprehensive income (loss) in 2018 and 2017, respectively.

In years prior to 2017, the Company recorded tax benefits related to restricted stock vestings and stock option exercises as part of additional paid-in capital in the shareholders' equity section of the consolidated balance sheets.

The adoption of ASU 2016-09 did not impact the accounting treatment of tax benefits related to dividends on restricted stock. The tax benefits related to the payment of dividends on restricted stock have been recorded as part of additional paid-in capital in the shareholders' equity section of the consolidated balance sheets in all years. The tax benefits related to the payment of dividends on restricted stock were \$403 thousand, \$626 thousand and \$597 thousand in 2018, 2017 and 2016, respectively.

11. REINSURANCE

The Company utilizes reinsurance agreements to reduce its exposure to large claims and catastrophic loss occurrences. These agreements provide for recovery from reinsurers of a portion of losses and LAE under certain circumstances without relieving the Company of its underlying obligations to the policyholders. Losses and LAE incurred and premiums earned are reported after deduction for reinsurance. In the event that one or more of the reinsurers were unable to meet their obligations under these reinsurance agreements, the Company would not realize the full value of the reinsurance recoverable balances. The Company may hold partial collateral, including letters of credit and funds held, under these agreements. See also Note 1C, Note 3 and Note 8.

Premiums written and earned and incurred losses and LAE are comprised of the following for the periods indicated:

| (Dollars in thousands) | Years Ended December 31, | | |
|-----------------------------|--------------------------|-------------|-------------|
| | 2018 | 2017 | 2016 |
| Written premiums: | | | |
| Direct | \$2,240,951 | \$2,083,555 | \$1,819,588 |
| Assumed | 6,234,203 | 5,090,367 | 4,214,286 |
| Ceded | (1,060,726) | (929,261) | (762,969) |
| Net written premiums | \$7,414,428 | \$6,244,661 | \$5,270,905 |
| Premiums earned: | | | |
| Direct | \$2,129,320 | \$1,825,705 | \$1,694,702 |
| Assumed | 5,807,332 | 4,945,522 | 4,361,944 |
| Ceded | (1,004,953) | (833,387) | (736,180) |
| Net premiums earned | \$6,931,699 | \$5,937,840 | \$5,320,466 |
| Incurred losses and LAE: | | | |
| Direct | \$1,372,589 | \$1,311,682 | \$1,496,455 |
| Assumed | 5,046,947 | 3,909,816 | 2,121,902 |
| Ceded | (768,133) | (698,917) | (478,728) |
| Net incurred losses and LAE | \$5,651,403 | \$4,522,581 | \$3,139,629 |

F-51

12. COMPREHENSIVE INCOME (LOSS)

The following table presents the components of comprehensive income (loss) in the consolidated statements of operations for the periods indicated:

| (Dollars in thousands) | Years Ended December 31, | | | 2017 | | | 2016 | | |
|---|--------------------------|------------|-------------|------------|------------|------------|------------|------------|------------|
| | 2018 Before Tax | Tax Effect | Net of Tax | Before Tax | Tax Effect | Net of Tax | Before Tax | Tax Effect | Net of Tax |
| Unrealized appreciation (depreciation) ("URA(D)") on securities - temporary URA(D) on securities - OTTI | \$(275,511) | \$21,061 | \$(254,450) | \$(81,915) | \$21,597 | \$(60,318) | \$65,645 | \$(13,961) | \$51,684 |
| Reclassification of net realized losses (gains) included in net income (loss) | (1,071) | (135) | (1,206) | (5,618) | 1,588 | (4,030) | 7,734 | (1,789) | 5,945 |
| Foreign currency translation adjustments | 28,014 | (518) | 27,496 | (7,258) | 308 | (6,950) | 23,232 | (8,114) | 15,118 |
| Benefit plan actuarial net gain (loss) | (86,520) | 9,704 | (76,816) | 142,054 | (20,137) | 121,917 | (53,802) | (1,539) | (55,341) |
| Reclassification of benefit plan liability amortization included in net income (loss) | (646) | 136 | (510) | 1,300 | (273) | 1,027 | (11,520) | 4,032 | (7,488) |
| Total other comprehensive income (loss) | 6,356 | (1,335) | 5,021 | 8,426 | (2,949) | 5,477 | 7,805 | (2,732) | 5,073 |
| | \$(329,378) | \$28,913 | \$(300,465) | \$56,989 | \$134 | \$57,123 | \$39,094 | \$(24,103) | \$14,991 |

The following table presents details of the amounts reclassified from AOCI for the periods indicated:

| AOCI component (Dollars in thousands) | Years Ended December 31, | | Affected line item within the statements of operations and comprehensive income (loss) |
|--|--------------------------|------------|--|
| | 2018 | 2017 | |
| URA(D) on securities | \$ 28,014 | \$ (7,258) | Other net realized capital gains (losses) |
| | (518) | 308 | Income tax expense (benefit) |

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| | | | |
|------------------------------|-----------|-------------|------------------------------|
| | \$ 27,496 | \$ (6,950) | Net income (loss) |
| Benefit plan net gain (loss) | \$ 6,356 | \$ 8,426 | Other underwriting expenses |
| | (1,335) | (2,949) | Income tax expense (benefit) |
| | \$ 5,021 | \$ 5,477 | Net income (loss) |

The following table presents the components of accumulated other comprehensive income (loss), net of tax, in the consolidated balance sheets for the periods indicated:

| (Dollars in thousands) | Years Ended December 31, | |
|---|--------------------------|---------------|
| | 2018 | 2017 |
| Beginning balance of URA (D) on securities | \$ 49,969 | \$ 115,558 |
| Change to beginning balance due to adoption of ASU 2016-01 | (1,201) | - |
| Current period change in URA (D) of investments - temporary | (226,954) | (67,268) |
| Current period change in URA (D) of investments - non-credit OTTI | (1,206) | (4,030) |
| Reclass due to early adoption of ASU 2018-02 | - | 5,709 |
| Ending balance of URA (D) on securities | (179,392) | 49,969 |
| Beginning balance of foreign currency translation adjustments | (138,931) | (266,818) |
| Current period change in foreign currency translation adjustments | (76,816) | 121,917 |
| Reclass due to early adoption of ASU 2018-02 | - | 5,970 |
| Ending balance of foreign currency translation adjustments | (215,747) | (138,931) |
| Beginning balance of benefit plan net gain (loss) | (71,929) | (65,504) |
| Current period change in benefit plan net gain (loss) | 4,511 | 6,504 |
| Reclass due to early adoption of ASU 2018-02 | - | (12,929) |
| Ending balance of benefit plan net gain (loss) | (67,418) | (71,929) |
| Ending balance of accumulated other comprehensive income (loss) | \$ (462,557) | \$ (160,891) |

(Some amounts may not reconcile due to rounding.)

13. EMPLOYEE BENEFIT PLANS

Defined Benefit Pension Plans.

The Company maintains both qualified and non-qualified defined benefit pension plans for its U.S. employees employed prior to April 1, 2010. Generally, the Company computes the benefits based on average earnings over a period prescribed by the plans and credited length of service. The Company's non-qualified defined benefit pension plan provided compensating pension benefits for participants whose benefits have been curtailed under the qualified plan due to Internal Revenue Code limitations. Effective January 1, 2018, participants of the Company's non-qualified defined benefit pension plan may no longer accrue additional service benefits.

Although not required to make contributions under IRS regulations, the following table summarizes the Company's contributions to the defined benefit pension plans for the periods indicated:

| | Years Ended December 31, | | |
|------------------------|--------------------------|----------|----------|
| (Dollars in thousands) | 2018 | 2017 | 2016 |
| Company contributions | \$77,743 | \$10,534 | \$30,821 |

The following table summarizes the Company's pension expense for the periods indicated:

| | Years Ended December 31, | | |
|------------------------|--------------------------|----------|----------|
| (Dollars in thousands) | 2018 | 2017 | 2016 |
| Pension expense | \$9,728 | \$16,299 | \$17,188 |

The following table summarizes the status of these defined benefit plans for U.S. employees for the periods indicated:

| | Years Ended December 31, | |
|--|--------------------------|---------------|
| (Dollars in thousands) | 2018 | 2017 |
| Change in projected benefit obligation: | | |
| Benefit obligation at beginning of year | \$ 316,202 | \$ 281,853 |
| Service cost | 9,801 | 10,949 |
| Interest cost | 10,290 | 10,034 |
| Actuarial (gain)/loss | (29,966) | 24,679 |
| Curtailement | - | (6,209) |
| Benefits paid | (6,084) | (5,104) |
| Projected benefit obligation at end of year | 300,244 | 316,202 |
| Change in plan assets: | | |
| Fair value of plan assets at beginning of year | 210,267 | 171,506 |
| Actual return on plan assets | (21,395) | 33,331 |
| Actual contributions during the year | 77,743 | 10,534 |
| Administrative expenses paid | - | - |
| Benefits paid | (6,084) | (5,104) |
| Fair value of plan assets at end of year | 260,531 | 210,267 |
| Funded status at end of year | \$ (39,713) | \$ (105,935) |

(Some amounts may not reconcile due to rounding.)

Amounts recognized in the consolidated balance sheets for the periods indicated:

| (Dollars in thousands) | At December 31, | |
|--|-----------------|-------------|
| | 2018 | 2017 |
| Other assets (due beyond one year) | \$- | \$- |
| Other liabilities (due within one year) | (7,530) | (3,871) |
| Other liabilities (due beyond one year) | (32,182) | (102,065) |
| Net amount recognized in the consolidated balance sheets | \$(39,713) | \$(105,935) |

(Some amounts may not reconcile due to rounding.)

F-53

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Amounts not yet reflected in net periodic benefit cost and included in accumulated other comprehensive income (loss) for the periods indicated:

| (Dollars in thousands) | At December 31, | |
|---|-----------------|-------------|
| | 2018 | 2017 |
| Accumulated income (loss) | \$ (88,580) | \$ (86,788) |
| Accumulated other comprehensive income (loss) | \$ (88,580) | \$ (86,788) |

(Some amounts may not reconcile due to rounding.)

Other changes in other comprehensive income (loss) for the periods indicated are as follows:

| (Dollars in thousands) | Years Ended December 31, | |
|--|--------------------------|--------------|
| | 2018 | 2017 |
| Other comprehensive income (loss) at December 31, prior year | \$ (86,788) | \$ (96,965) |
| Net gain (loss) arising during period | (8,631) | (4,398) |
| Recognition of amortizations in net periodic benefit cost: | | |
| Actuarial loss | 6,839 | 8,366 |
| Curtailed loss recognized | - | 6,209 |
| Other comprehensive income (loss) at December 31, current year | \$ (88,580) | \$ (86,788) |

(Some amounts may not reconcile due to rounding.)

Net periodic benefit cost for U.S. employees included the following components for the periods indicated:

| (Dollars in thousands) | Years Ended December 31, | | |
|---|--------------------------|----------|----------|
| | 2018 | 2017 | 2016 |
| Service cost | \$9,801 | \$10,949 | \$10,924 |
| Interest cost | 10,290 | 10,034 | 9,485 |
| Expected return on assets | (17,202) | (13,050) | (11,158) |
| Amortization of actuarial loss from earlier periods | 6,839 | 8,366 | 7,937 |
| Net periodic benefit cost | \$9,728 | \$16,299 | \$17,188 |

Other changes recognized in other comprehensive income (loss):

| | | |
|--|-------|----------|
| Other comprehensive income (loss) attributable to change from prior year | 1,792 | (10,177) |
|--|-------|----------|

Total recognized in net periodic benefit cost and other comprehensive income (loss)

\$11,520 \$6,122

(Some amounts may not reconcile due to rounding.)

The estimated transition obligation, actuarial loss and prior service cost that will be amortized from accumulated other comprehensive income into net periodic benefit cost over the next year are \$0 thousand, \$8,107 thousand and \$0 thousand, respectively.

The weighted average discount rates used to determine net periodic benefit cost for 2018, 2017 and 2016 were 3.62%, 4.16% and 4.38%, respectively. The rate of compensation increase used to determine the net periodic benefit cost for 2018, 2017 and 2016 was 4.00%. The expected long-term rate of return on plan assets was 7.00% for 2018 and was 7.50% for both 2017 and 2016 based on expected portfolio returns and allocations.

The weighted average discount rates used to determine the actuarial present value of the projected benefit obligation for years end 2018, 2017 and 2016 were 4.27%, 3.62% and 4.16%, respectively.

F-54

The following table summarizes the accumulated benefit obligation for the periods indicated:

| (Dollars in thousands) | At December 31, | |
|------------------------|-----------------|-----------|
| | 2018 | 2017 |
| Qualified Plan | \$237,855 | \$245,430 |
| Non-qualified Plan | 24,472 | 24,482 |
| Total | \$262,327 | \$269,912 |

(Some amounts may not reconcile due to rounding.)

The following table displays the plans with projected benefit obligations in excess of plan assets for the periods indicated:

| (Dollars in thousands) | At December 31, | |
|------------------------------|-----------------|-----------|
| | 2018 | 2017 |
| Qualified Plan | | |
| Projected benefit obligation | \$275,772 | \$291,720 |
| Fair value of plan assets | 260,531 | 210,267 |
| Non-qualified Plan | | |
| Projected benefit obligation | \$24,472 | \$24,482 |
| Fair value of plan assets | - | - |

The following table displays the plans with accumulated benefit obligations in excess of plan assets for the periods indicated:

| (Dollars in thousands) | At December 31, | |
|--------------------------------|-----------------|-----------|
| | 2018 | 2017 |
| Qualified Plan | | |
| Accumulated benefit obligation | \$- | \$245,430 |
| Fair value of plan assets | - | 210,267 |
| Non-qualified Plan | | |
| Accumulated benefit obligation | \$24,472 | \$24,482 |
| Fair value of plan assets | - | - |

The following table displays the expected benefit payments in the periods indicated:

| (Dollars in thousands) | |
|------------------------|--------|
| 2019 | 14,772 |
| 2020 | 13,087 |
| 2021 | 11,137 |
| 2022 | 12,104 |
| 2023 | 12,779 |
| Next 5 years | 79,289 |

Plan assets consist of shares in investment trusts with 59%, 32%, 8% and 1% of the underlying assets consisting of equity securities, fixed maturities, limited partnerships and multi-strategy equity funds and cash, respectively. The Company manages the qualified plan investments for U.S. employees. The assets in the plan consist of debt and equity mutual funds. Due to the long term nature of the plan, the target asset allocation has historically been 70% equities and 30% bonds.

F-55

The following tables present the fair value measurement levels for the qualified plan assets at fair value for the periods indicated:

| (Dollars in thousands) | December 31, 2018 | Fair Value Measurement Using: | | |
|---|----------------------|---|---|--|
| | | Quoted Prices in Active Markets for Identical Assets (Level 1) | Significant Other Observable Inputs (Level 2) | Significant Unobservable Inputs (Level 3) |
| Assets: | | | | |
| Short-term investments, which approximates fair value (a) | \$ 2,872 | \$ 2,872 | \$ - | \$ - |
| Mutual funds, fair value | | | | |
| Fixed income (b) | 82,633 | 82,633 | - | - |
| Equities (c) | 154,935 | 154,935 | - | - |
| Total | \$ 240,440 | \$ 240,440 | \$ - | \$ - |

(Some amounts may not reconcile due to rounding.)

(a) This category includes high quality, short-term money market instruments, which are issued and payable in U.S. dollars.

This category includes fixed income funds, which invest in investment grade securities of corporations, (b) governments and government agencies with approximately 70% in U.S. securities and 30% in international securities.

This category includes funds, which invest in small, mid and multi-cap equity securities including common stocks, (c) securities convertible into common stock and securities with common stock characteristics, such as rights and warrants, with approximately 50% in U.S. equities and 50% in international equities.

There were no transfers between Level 1 and Level 2 for the twelve months ended December 31, 2018.

| (Dollars in thousands) | December 31, 2017 | Fair Value Measurement Using: | | |
|---|----------------------|---|---|--|
| | | Quoted Prices in Active Markets for Identical Assets (Level 1) | Significant Other Observable Inputs (Level 2) | Significant Unobservable Inputs (Level 3) |
| Assets: | | | | |
| Short-term investments, which approximates fair value (a) | \$ 1,031 | \$ 1,031 | \$ - | \$ - |
| Mutual funds, fair value | | | | |
| Fixed income (b) | 23,361 | 23,361 | - | - |
| Equities (c) | 159,578 | 159,578 | - | - |
| Total | \$ 183,970 | \$ 183,970 | \$ - | \$ - |

(Some amounts may not reconcile due to rounding.)

(a) This category includes high quality, short-term money market instruments, which are issued and payable in U.S. dollars.

This category includes fixed income funds, which invest in investment grade securities of corporations,
(b) governments and government agencies with approximately 50% in U.S. securities and 50% in international securities.

This category includes funds, which invest in small, mid and multi-cap equity securities including common stocks,
(c) securities convertible into common stock and securities with common stock characteristics, such as rights and warrants, with approximately 90% in U.S. equities and 10% in international equities.

In addition, \$20,091 thousand and \$26,297 thousand of investments which were recorded as part of the qualified plan assets at December 31, 2018 and 2017, respectively, are not included within the fair value hierarchy tables as the assets are valued using the NAV practical expedient guidance within ASU 2015-07.

The Company contributed \$77,000 thousand and \$10,000 thousand to the qualified pension benefit plan for the years ended December 31, 2018 and 2017, respectively.

F-56

Defined Contribution Plans.

The Company also maintains both qualified and non-qualified defined contribution plans (“Savings Plan” and “Non-Qualified Savings Plan”, respectively) covering U.S. employees. Under the plans, the Company contributes up to a maximum 3% of the participants’ compensation based on the contribution percentage of the employee. The Non-Qualified Savings Plan provides compensating savings plan benefits for participants whose benefits have been curtailed under the Savings Plan due to Internal Revenue Code limitations. In addition, effective for new hires (and rehires) on or after April 1, 2010, the Company will contribute between 3% and 8% of an employee’s earnings for each payroll period based on the employee’s age. These contributions will be 100% vested after three years.

The following table presents the Company’s incurred expenses related to these plans for the periods indicated:

| | Years Ended December 31, | | |
|------------------------|--------------------------|----------|----------|
| (Dollars in thousands) | 2018 | 2017 | 2016 |
| Incurred expenses | \$ 9,301 | \$ 7,167 | \$ 6,058 |

In addition, the Company maintains several defined contribution pension plans covering non-U.S. employees. Each non-U.S. office (Brazil, Canada, London, Belgium, Singapore, Ireland, Zurich and Bermuda) maintains a separate plan for the non-U.S. employees working in that location. The Company contributes various amounts based on salary, age and/or years of service. In the current year, the contributions as a percentage of salary for the branch offices ranged from 3.4% to 48.4%. The contributions are generally used to purchase pension benefits from local insurance providers. The following table presents the Company’s incurred expenses related to these plans for the periods indicated:

| | Years Ended December 31, | | |
|------------------------|--------------------------|----------|----------|
| (Dollars in thousands) | 2018 | 2017 | 2016 |
| Incurred expenses | \$ 2,057 | \$ 1,849 | \$ 1,560 |

Post-Retirement Plan.

The Company sponsors a Retiree Health Plan for employees employed prior to April 1, 2010. This plan provides healthcare benefits for eligible retired employees (and their eligible dependants), who have elected coverage. The Company anticipates that most covered employees will become eligible for these benefits if they retire while working for the Company. The cost of these benefits is shared with the retiree. The Company accrues the post-retirement benefit expense during the period of the employee’s service.

A medical cost trend rate of 7.25% in 2018 was assumed to decrease gradually to 4.50% in 2029 and then remain at that level.

Changes in the assumed healthcare cost trend can have a significant effect on the amounts reported for the healthcare plans. A one percent change in the rate would have the following effects on:

| (Dollars in thousands) | Percentage Point Increase (\$ Impact) | Percentage Point Decrease (\$ Impact) |
|---|---------------------------------------|---------------------------------------|
| a. Effect on total service and interest cost components | \$ 577 | \$ (436) |
| b. Effect on accumulated post-retirement benefit obligation | 5,987 | (4,643) |

The following table presents the post-retirement benefit expenses for the periods indicated:

| (Dollars in thousands) | Years Ended December 31, | | |
|----------------------------------|--------------------------|----------|----------|
| | 2018 | 2017 | 2016 |
| Post-retirement benefit expenses | \$ 1,829 | \$ 2,814 | \$ 2,293 |

F-57

The following table summarizes the status of this plan for the periods indicated:

| (Dollars in thousands) | At December 31, | |
|--|-----------------|------------|
| | 2018 | 2017 |
| Change in projected benefit obligation: | | |
| Benefit obligation at beginning of year | \$34,717 | \$32,071 |
| Service cost | 1,312 | 1,570 |
| Interest cost | 999 | 1,184 |
| Amendments | - | (3,526) |
| Actuarial (gain)/loss | (7,985) | 4,038 |
| Benefits paid | (561) | (619) |
| Benefit obligation at end of year | 28,483 | 34,717 |
| Change in plan assets: | | |
| Fair value of plan assets at beginning of year | - | - |
| Employer contributions | 561 | 619 |
| Benefits paid | (561) | (619) |
| Fair value of plan assets at end of year | - | - |
| Funded status at end of year | \$(28,483) | \$(34,717) |

Amounts recognized in the consolidated balance sheets for the periods indicated:

| (Dollars in thousands) | At December 31, | |
|--|-----------------|------------|
| | 2018 | 2017 |
| Other liabilities (due within one year) | \$(608) | \$(655) |
| Other liabilities (due beyond one year) | (27,875) | (34,062) |
| Net amount recognized in the consolidated balance sheets | \$(28,483) | \$(34,717) |

(Some amounts may not reconcile due to rounding.)

Amounts not yet reflected in net periodic benefit cost and included in accumulated other comprehensive income (loss) for the periods indicated:

| (Dollars in thousands) | At December 31, | |
|---|-----------------|-----------|
| | 2018 | 2017 |
| Accumulated income (loss) | \$(238) | \$(8,317) |
| Accumulated prior service credit (cost) | 3,480 | 4,057 |
| Accumulated other comprehensive income (loss) | \$3,242 | \$(4,260) |

Other changes in other comprehensive income (loss) for the periods indicated are as follows:

Years Ended December 31,

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| (Dollars in thousands) | 2018 | 2017 |
|--|-------------|-------------|
| Other comprehensive income (loss) at December 31, prior year | \$ (4,260) | \$ (3,809) |
| Net gain (loss) arising during period | 7,985 | (4,038) |
| Prior Service credit (cost) arising during period | - | 3,526 |
| Recognition of amortizations in net periodic benefit cost: | | |
| Actuarial loss (gain) | 94 | 192 |
| Prior service cost | (577) | (131) |
| Other comprehensive income (loss) at December 31, current year | \$ 3,242 | \$ (4,260) |

F-58

Net periodic benefit cost included the following components for the periods indicated:

| (Dollars in thousands) | Years Ended December 31, | | |
|---|--------------------------|---------|---------|
| | 2018 | 2017 | 2016 |
| Service cost | \$1,312 | \$1,570 | \$1,418 |
| Interest cost | 999 | 1,184 | 1,007 |
| Prior service credit recognition | (577) | (131) | (132) |
| Net gain recognition | 94 | 192 | - |
| Net periodic cost | \$1,829 | \$2,814 | \$2,293 |
| Other changes recognized in other comprehensive income (loss): | | | |
| Other comprehensive gain (loss) attributable to change from prior year | (7,502) | 451 | |
| Total recognized in net periodic benefit cost and other comprehensive income (loss) | \$(5,673) | \$3,265 | |

(Some amounts may not reconcile due to rounding.)

The estimated transition obligation, actuarial loss and prior service credit that will be amortized from accumulated other comprehensive income (loss) into net periodic benefit cost over the next fiscal year are \$0 thousand, \$0 thousand and (\$577) thousand, respectively.

The weighted average discount rates used to determine net periodic benefit cost for 2018, 2017 and 2016 were 3.62%, 4.16% and 4.38%, respectively.

The weighted average discount rates used to determine the actuarial present value of the projected benefit obligation at year end 2018, 2017 and 2016 were 4.27%, 3.62% and 4.16%, respectively.

The following table displays the expected benefit payments in the years indicated:

| (Dollars in thousands) | |
|------------------------|-------|
| 2019 | \$608 |
| 2020 | 663 |
| 2021 | 740 |
| 2022 | 852 |
| 2023 | 944 |
| Next 5 years | 6,469 |

14. DIVIDEND RESTRICTIONS AND STATUTORY FINANCIAL INFORMATION

Group and its operating subsidiaries are subject to various regulatory restrictions, including the amount of dividends that may be paid and the level of capital that the operating entities must maintain. These regulatory restrictions are based upon statutory capital as opposed to GAAP basis equity or net assets. Group and one of its primary operating subsidiaries, Bermuda Re, are regulated by Bermuda law and its other primary operating subsidiary, Everest Re, is regulated by Delaware law. Bermuda Re is subject to the Bermuda Solvency Capital Requirement (“BSCR”) administered by the Bermuda Monetary Authority (“BMA”) and Everest Re is subject to the Risk-Based Capital Model

("RBC") developed by the National Association of Insurance Commissioners ("NAIC"). These models represent the aggregate regulatory restrictions on net assets and statutory capital and surplus.

Dividend Restrictions.

Under Bermuda law, Group is prohibited from declaring or paying a dividend if such payment would reduce the realizable value of its assets to an amount less than the aggregate value of its liabilities and its issued share capital and share premium (additional paid-in capital) accounts. Group's ability to pay dividends and its operating expenses is dependent upon dividends from its subsidiaries.

Under Bermuda law, Bermuda Re is prohibited from declaring or making payment of a dividend if it fails to meet its minimum solvency margin or minimum liquidity ratio. As a long term insurer, Bermuda Re is also unable to declare or pay a dividend to anyone who is not a policyholder unless, after payment of the dividend, the value of the assets in their long term business fund, as certified by their approved actuary, exceeds their liabilities for long term business by at least the \$250 thousand minimum solvency margin.

F-59

Prior approval of the BMA is required if Bermuda Re's dividend payments would exceed 25% of their prior year-end total statutory capital and surplus.

Bermuda Re prepares its statutory financial statements in conformity with the accounting principles set forth in Bermuda in The Insurance Act 1978, amendments thereto and related regulations. The statutory capital and surplus of Bermuda Re was \$3,061,136 thousand and \$3,085,882 thousand at December 31, 2018 and 2017, respectively. The statutory net income of Bermuda Re was \$865,225 thousand, \$582,128 thousand and \$666,155 thousand for the years ended December 31, 2018, 2017 and 2016, respectively.

Delaware law provides that an insurance company which is a member of an insurance holding company system and is domiciled in the state shall not pay dividends without giving prior notice to the Insurance Commissioner of Delaware and may not pay dividends without the approval of the Insurance Commissioner if the value of the proposed dividend, together with all other dividends and distributions made in the preceding twelve months, exceeds the greater of (1) 10% of statutory surplus or (2) net income, not including realized capital gains, each as reported in the prior year's statutory annual statement. In addition, no dividend may be paid in excess of unassigned earned surplus. At December 31, 2018, Everest Re has \$365,059 thousand available for payment of dividends in 2019 without the need for prior regulatory approval.

Everest Re prepares its statutory financial statements in accordance with accounting practices prescribed or permitted by the NAIC and the Delaware Insurance Department. Prescribed statutory accounting practices are set forth in the NAIC Accounting Practices and Procedures Manual. The capital and statutory surplus of Everest Re was \$3,650,594 thousand and \$3,391,852 thousand at December 31, 2018 and 2017, respectively. The statutory net loss of Everest Re was \$1,317,991 thousand and \$391,419 thousand for the years ended December 31, 2018 and 2017, respectively. The statutory net income of Everest Re was \$523,547 thousand for the year ended December 31, 2016.

There are certain regulatory and contractual restrictions on the ability of Holdings' operating subsidiaries to transfer funds to Holdings in the form of cash dividends, loans or advances. The insurance laws of the State of Delaware, where Holdings' direct insurance subsidiaries are domiciled, require regulatory approval before those subsidiaries can pay dividends or make loans or advances to Holdings that exceed certain statutory thresholds.

Capital Restrictions.

In Bermuda, Bermuda Re is subject to the BSCR administered by the BMA. No regulatory action is taken if an insurer's capital and surplus is equal to or in excess of their enhanced capital requirement determined by the BSCR model. In addition, the BMA has established a target capital level for each insurer, which is 120% of the enhanced capital requirement.

In the United States, Everest Re is subject to the RBC developed by the NAIC which determines an authorized control level risk-based capital. As long as the total adjusted capital is 200% or more of the authorized control level capital, no action is required by the Company.

The regulatory targeted capital and the actual statutory capital for Bermuda Re and Everest Re were as follows:

| | Bermuda Re ⁽¹⁾ | | Everest Re ⁽²⁾ | |
|-----------------------------|---------------------------|-------------|---------------------------|-------------|
| | At December 31, | | At December 31, | |
| (Dollars in thousands) | 2018 ⁽³⁾ | 2017 | 2018 | 2017 |
| Regulatory targeted capital | \$- | \$2,368,620 | \$2,172,958 | \$2,076,892 |
| Actual capital | \$3,061,136 | \$3,085,882 | \$3,650,594 | \$3,391,852 |

⁽¹⁾ Regulatory targeted capital represents the target capital level from the applicable year's BSCR calculation.

(2) Regulatory targeted capital represents 200% of the RBC authorized control level calculation for the applicable year.

(3) The 2018 BSCR calculation is not yet due to be completed; however, the Company anticipates that Bermuda Re's December 31, 2018 actual capital will exceed the targeted capital level.

F-60

15. COMMITMENTS AND CONTINGENCIES

In the ordinary course of business, the Company is involved in lawsuits, arbitrations and other formal and informal dispute resolution procedures, the outcomes of which will determine the Company's rights and obligations under insurance and reinsurance agreements. In some disputes, the Company seeks to enforce its rights under an agreement or to collect funds owing to it. In other matters, the Company is resisting attempts by others to collect funds or enforce alleged rights. These disputes arise from time to time and are ultimately resolved through both informal and formal means, including negotiated resolution, arbitration and litigation. In all such matters, the Company believes that its positions are legally and commercially reasonable. The Company considers the statuses of these proceedings when determining its reserves for unpaid loss and loss adjustment expenses.

Aside from litigation and arbitrations related to these insurance and reinsurance agreements, the Company is not a party to any other material litigation or arbitration.

The Company has entered into separate annuity agreements with The Prudential Insurance of America ("The Prudential") and an additional unaffiliated life insurance company in which the Company has either purchased annuity contracts or become the assignee of annuity proceeds that are meant to settle claim payment obligations in the future. In both instances, the Company would become contingently liable if either The Prudential or the unaffiliated life insurance company were unable to make payments related to the respective annuity contract.

The table below presents the estimated cost to replace all such annuities for which the Company was contingently liable for the periods indicated:

| (Dollars in thousands) | At December 31, | |
|---|-----------------|-----------|
| | 2018 | 2017 |
| The Prudential Insurance Company of America | \$142,754 | \$144,618 |
| Unaffiliated life insurance company | 34,717 | 34,444 |

16. SHARE-BASED COMPENSATION PLANS

The Company has a 2010 Stock Incentive Plan ("2010 Employee Plan"), a 2009 Non-Employee Director Stock Option and Restricted Stock Plan ("2009 Director Plan") and a 2003 Non-Employee Director Equity Compensation Plan ("2003 Director Plan").

Under the 2010 Employee Plan, 4,000,000 common shares have been authorized to be granted as non-qualified share options, incentive share options, share appreciation rights, restricted share awards or performance share unit awards to officers and key employees of the Company. At December 31, 2018, there were 2,476,261 remaining shares available to be granted under the 2010 Employee Plan. The 2010 Employee Plan replaced a 2002 Employee Plan, which replaced a 1995 Employee Plan; therefore, no further awards will be granted under the 2002 Employee Plan or the 1995 Employee Plan. Through December 31, 2018, only non-qualified share options, restricted share awards and performance share unit awards had been granted under the employee plans. Under the 2009 Director Plan, 37,439 common shares have been authorized to be granted as share options or restricted share awards to non-employee directors of the Company. At December 31, 2018, there were 34,957 remaining shares available to be granted under the 2009 Director Plan. The 2009 Director Plan replaced a 1995 Director Plan, which expired. Under the 2003 Director Plan, 500,000 common shares have been authorized to be granted as share options or share awards to non-employee directors of the Company. At December 31, 2018 there were 336,214 remaining shares available to be granted under the 2003 Director Plan.

Options and restricted shares granted under the 2010 Employee Plan and the 2002 Employee Plan vest at the earliest of 20% per year over five years or in accordance with any applicable employment agreement. Options and restricted shares granted under the 2003 Director Plan generally vest at 33% per year over three years, unless an alternate vesting period is authorized by the Board. Options and restricted shares granted under the 2009 Director Plan will vest as provided in the award agreement. All options are exercisable at fair market value of the stock at the date of grant and expire ten years after the date of grant.

F-61

Performance Share Unit awards granted under the 2010 Employee Plan will vest 100% after three years. The Performance Share Unit awards represent the right to receive between and 0 and 1.75 shares of stock for each unit awarded depending upon performance in relation to certain metrics. The performance share unit valuation will be based 50% on growth in book value per share over the three year vesting period, compared to designated peer companies. The remaining 50% of the performance share valuation will be based upon operating return on equity for each of the separate operating years within the vesting period.

For share options, restricted shares and performance share units granted under the 2010 Employee Plan, the 2002 Employee Plan, the 2009 Director Plan and the 2003 Director Plan, share-based compensation expense recognized in the consolidated statements of operations and comprehensive income (loss) was \$32,369 thousand, \$30,297 thousand and \$26,398 thousand for the years ended December 31, 2018, 2017 and 2016, respectively. The corresponding income tax benefit recorded in the consolidated statements of operations and comprehensive income (loss) for share-based compensation was \$7,401 thousand, \$14,824 thousand and \$6,898 thousand for the years ended December 31, 2018, 2017 and 2016, respectively. In accordance with ASU 2016-09, the income tax effect resulting from the change in the value of share based compensation awards between grant date and settlement date has been recorded as part of the income tax benefit in the consolidation statements of operations and comprehensive income (loss) effective January 1, 2017. Prior to that date, the income tax impact of the change in value of share based compensation awards between grant date and settlement date was recorded within additional paid in capital in the Consolidated Balance Sheets.

For the year ended December 31, 2018, a total of 173,065 restricted shares were granted on February 21, 2018, May 15, 2018, September 13, 2018, and November 13, 2018, with a fair value of \$242.39, \$226.95, \$218.065 and \$215.2175 per share, respectively. Additionally, 13,325 performance share units were awarded on February 21, 2018, with a fair value of \$242.39 per unit. No share options were granted during the year ended December 31, 2018. For share options granted during previous years, the fair value per option was calculated on the date of the grant using the Black-Scholes option valuation model.

The Company recognizes, as an increase to additional paid-in capital, a realized income tax benefit from dividends, charged to retained earnings and paid to employees on equity classified non-vested equity shares. In addition, the amount recognized in additional paid-in capital for the realized income tax benefit from dividends on those awards is included in the pool of excess tax benefits available to absorb tax deficiencies on share-based payment awards. For the years ended December 31, 2018, 2017 and 2016, the Company recognized \$403 thousand, \$626 thousand and \$597 thousand, respectively, of additional paid-in capital due to tax benefits from dividends on restricted shares.

A summary of the option activity under the Company's shareholder approved plans as of December 31, 2018, 2017 and 2016, and changes during the year then ended is presented in the following tables:

| (Aggregate Intrinsic Value in thousands) | Shares | Weighted-Average Exercise Price/Share | Weighted-Average Remaining Contractual Term | Aggregate Intrinsic Value |
|--|---------|---------------------------------------|---|---------------------------|
| <u>Options</u> | | | | |
| Outstanding at January 1, 2018 | 360,364 | \$ 84.10 | | |
| Granted | - | - | | |
| Exercised | 81,200 | 84.99 | | |
| Forfeited/Cancelled/Expired | - | - | | |
| Outstanding at December 31, 2018 | 279,164 | 83.84 | <u>1.9</u> | \$ 37,386 |
| Exercisable at December 31, 2018 | 279,164 | 83.84 | <u>1.9</u> | \$ 37,386 |

F-62

| (Aggregate Intrinsic Value in thousands) | Shares | Weighted-Average Exercise Price/Share | Weighted-Average Remaining Contractual Term | Aggregate Intrinsic Value |
|--|---------|---------------------------------------|---|---------------------------|
| <u>Options</u> | | | | |
| Outstanding at January 1, 2017 | 454,994 | \$ 84.88 | | |
| Granted | - | - | | |
| Exercised | 94,630 | 87.84 | | |
| Forfeited/Cancelled/Expired | - | - | | |
| Outstanding at December 31, 2017 | 360,364 | 84.10 | <u>2.7</u> | \$ 49,428 |
| Exercisable at December 31, 2017 | 360,364 | 84.10 | <u>2.7</u> | \$ 49,428 |

| (Aggregate Intrinsic Value in thousands) | Shares | Weighted-Average Exercise Price/Share | Weighted-Average Remaining Contractual Term | Aggregate Intrinsic Value |
|--|---------|---------------------------------------|---|---------------------------|
| <u>Options</u> | | | | |
| Outstanding at January 1, 2016 | 648,034 | \$ 85.61 | | |
| Granted | - | - | | |
| Exercised | 187,940 | 87.31 | | |
| Forfeited/Cancelled/Expired | 5,100 | 88.25 | | |
| Outstanding at December 31, 2016 | 454,994 | 84.88 | <u>3.7</u> | \$ 59,843 |
| Exercisable at December 31, 2016 | 410,694 | 84.50 | <u>3.5</u> | \$ 54,169 |

There were no share options granted in 2018, 2017 and 2016. The aggregate intrinsic value (market price less exercise price) of options exercised during the years ended December 31, 2018, 2017 and 2016 was \$11,737 thousand, \$14,130 thousand and \$19,876 thousand, respectively. The cash received from the exercised share options for the year ended December 31, 2018 was \$6,902 thousand. The tax benefit realized from the options exercised for the year ended December 31, 2018 was \$2,311 thousand.

The following table summarizes information about share options outstanding for the period indicated:

| Range of Exercise Prices | At December 31, 2018 | | | Options Exercisable | |
|--------------------------|---------------------------------|---|---------------------------------|---------------------------------|---------------------------------|
| | Options Outstanding at 12/31/18 | Weighted-Average Remaining Contractual Life | Weighted-Average Exercise Price | Options Exercisable at 12/31/18 | Weighted-Average Exercise Price |
| \$71.7150 - \$78.1700 | 57,770 | 0.1 | \$ 71.72 | 57,770 | \$ 71.72 |
| \$78.1800 - \$85.6300 | 51,300 | 1.1 | 84.63 | 51,300 | 84.63 |
| \$85.6400 - \$87.4700 | 73,140 | 2.2 | 86.62 | 73,140 | 86.62 |
| \$87.4800 - \$89.4100 | 91,000 | 3.1 | 88.32 | 91,000 | 88.32 |

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| | | | | | |
|------------------------|---------|-----|-------|---------|-------|
| \$89.4200 - \$110.1300 | 5,954 | 2.5 | 91.99 | 5,954 | 91.99 |
| | 279,164 | 1.9 | 83.84 | 279,164 | 83.84 |

F-63

The following table summarizes the status of the Company's non-vested shares and changes for the periods indicated:

| | Years Ended December 31, | | | | | |
|---------------------------------------|--------------------------|--|---------|--|---------|--|
| | 2018 | | 2017 | | 2016 | |
| | Shares | Weighted-Average Grant Date Fair Value | Shares | Weighted-Average Grant Date Fair Value | Shares | Weighted-Average Grant Date Fair Value |
| <u>Restricted (non-vested) Shares</u> | | | | | | |
| Outstanding at January 1, | 421,261 | \$ 194.01 | 435,338 | \$ 164.21 | 435,336 | \$ 143.02 |
| Granted | 173,065 | 240.59 | 160,185 | 234.01 | 173,546 | 186.37 |
| Vested | 141,982 | 178.31 | 152,397 | 151.80 | 145,834 | 130.54 |
| Forfeited | 37,937 | 212.48 | 21,865 | 187.82 | 27,710 | 147.32 |
| Outstanding at December 31, | 414,407 | 217.15 | 421,261 | 194.01 | 435,338 | 164.21 |

As of December 31, 2018, there was \$60,439 thousand of total unrecognized compensation cost related to non-vested share-based compensation expense. That cost is expected to be recognized over a weighted-average period of 3.2 years. The total fair value of shares vested during the years ended December 31, 2018, 2017 and 2016, was \$25,317 thousand, \$23,134 thousand and \$19,037 thousand, respectively. The tax benefit realized from the shares vested for the year ended December 31, 2018 was \$6,267 thousand.

In addition to the 2010 Employee Plan, the 2009 Director Plan and the 2003 Director Plan, Group issued 480 common shares in 2018, 404 common shares in 2017 and 547 common shares in 2016 to the Company's non-employee directors as compensation for their service as directors. These issuances had aggregate values of approximately \$113 thousand, \$94 thousand and \$103 thousand, respectively.

Since its 1995 initial public offering, the Company has issued to certain key employees of the Company 2,304,122 restricted common shares, of which 318,389 restricted shares have been cancelled. The Company has issued to non-employee directors of the Company 156,317 restricted common shares, of which no restricted shares have been cancelled. The Company acquired 65,974, 60,453 and 70,010 common shares at a cost of \$14,202 thousand, \$14,240 thousand and \$12,111 thousand in 2018, 2017 and 2016, respectively, from employees who chose to pay required withholding taxes and/or the exercise cost on option exercises or restricted share vestings by withholding shares.

The following table summarized the status of the Company's non-vested performance share unit awards and changes for the period indicated:

| | Year Ended December 31, | | | | | |
|---|-------------------------|--|--------|--|--------|--|
| | 2018 | | 2017 | | 2016 | |
| | Shares | Weighted-Average Grant Date Fair Value | Shares | Weighted-Average Grant Date Fair Value | Shares | Weighted-Average Grant Date Fair Value |
| <u>Performance Share Unit Awards</u> | | | | | | |
| Outstanding at January 1, | 33,454 | \$ - | 21,223 | \$ - | 10,705 | \$ - |
| Granted | 13,325 | 242.39 | 11,245 | 234.03 | 11,130 | 186.02 |
| Increase/(Decrease) on vesting units due to performance | (267) | - | 986 | - | 894 | - |
| Vested | 12,435 | 242.39 | - | - | - | - |

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| | | | | | | |
|-----------------------------|--------|---|--------|---|--------|---|
| Forfeited | 1,695 | - | - | - | 1,506 | - |
| Outstanding at December 31, | 32,382 | - | 33,454 | - | 21,223 | - |

The Company acquired 5,214 common shares at a cost of \$1,264 thousand in 2018 from employees who chose to pay required withholding taxes on performance share unit settlements by withholding shares.

F-64

17. SEGMENT REPORTING

The U.S. Reinsurance operation writes property and casualty reinsurance and specialty lines of business, including Marine, Aviation, Surety and Accident and Health (“A&H”) business, on both a treaty and facultative basis, through reinsurance brokers, as well as directly with ceding companies primarily within the U.S. The International operation writes non-U.S. property and casualty reinsurance through Everest Re’s branches in Canada and Singapore and through offices in Brazil, Miami and New Jersey. The Bermuda operation provides reinsurance and insurance to worldwide property and casualty markets through brokers and directly with ceding companies from its Bermuda office and reinsurance to the United Kingdom and European markets through its UK branch and Ireland Re. The Insurance operation writes property and casualty insurance directly and through brokers, surplus lines brokers and general agents within the U.S., Canada and Europe.

These segments are managed independently, but conform with corporate guidelines with respect to pricing, risk management, control of aggregate catastrophe exposures, capital, investments and support operations. Management generally monitors and evaluates the financial performance of these operating segments based upon their underwriting results.

Underwriting results include earned premium less losses and loss adjustment expenses (“LAE”) incurred, commission and brokerage expenses and other underwriting expenses. We measure our underwriting results using ratios, in particular loss, commission and brokerage and other underwriting expense ratios, which, respectively, divide incurred losses, commissions and brokerage and other underwriting expenses by premiums earned.

For inter-affiliate reinsurance and business written through the Lloyd’s Syndicate, business is generally reported within the segment in which the business was first produced, consistent with how the business is managed.

The Company does not maintain separate balance sheet data for its operating segments. Accordingly, the Company does not review and evaluate the financial results of its operating segments based upon balance sheet data.

F-65

The following tables present the underwriting results for the operating segments for the periods indicated:

| <u>U.S. Reinsurance</u> | Years Ended December 31, | | |
|-----------------------------|--------------------------|-------------|-------------|
| (Dollars in thousands) | 2018 | 2017 | 2016 |
| Gross written premiums | \$3,014,338 | \$2,592,972 | \$2,125,792 |
| Net written premiums | 2,642,182 | 2,245,422 | 1,970,575 |
| Premiums earned | \$2,528,991 | \$2,181,160 | \$2,072,155 |
| Incurred losses and LAE | 2,784,181 | 1,632,795 | 1,068,475 |
| Commission and brokerage | 568,374 | 462,487 | 465,953 |
| Other underwriting expenses | 60,266 | 55,881 | 54,107 |
| Underwriting gain (loss) | \$(883,830) | \$29,997 | \$483,620 |

| <u>International</u> | Years Ended December 31, | | |
|-----------------------------|--------------------------|--------------|-------------|
| (Dollars in thousands) | 2018 | 2017 | 2016 |
| Gross written premiums | \$1,543,946 | \$1,316,701 | \$1,230,683 |
| Net written premiums | 1,458,745 | 1,229,597 | 1,082,712 |
| Premiums earned | \$1,439,882 | \$1,202,043 | \$1,119,121 |
| Incurred losses and LAE | 992,704 | 1,059,640 | 486,550 |
| Commission and brokerage | 364,010 | 287,688 | 283,447 |
| Other underwriting expenses | 39,042 | 38,844 | 35,512 |
| Underwriting gain (loss) | \$44,126 | \$(184,129) | \$313,612 |

| <u>Bermuda</u> | Years Ended December 31, | | |
|-----------------------------|--------------------------|-------------|-----------|
| (Dollars in thousands) | 2018 | 2017 | 2016 |
| Gross written premiums | \$1,666,317 | \$1,205,001 | \$890,375 |
| Net written premiums | 1,605,526 | 1,139,082 | 831,931 |
| Premiums earned | \$1,324,198 | \$1,093,250 | \$837,964 |
| Incurred losses and LAE | 808,717 | 735,292 | 461,909 |
| Commission and brokerage | 319,197 | 303,707 | 233,989 |
| Other underwriting expenses | 43,566 | 38,011 | 36,331 |
| Underwriting gain (loss) | \$152,718 | \$16,240 | \$105,735 |

| <u>Insurance</u> | Years Ended December 31, | | |
|--------------------------|--------------------------|-------------|-------------|
| (Dollars in thousands) | 2018 | 2017 | 2016 |
| Gross written premiums | \$2,250,552 | \$2,059,248 | \$1,787,024 |
| Net written premiums | 1,707,975 | 1,630,560 | 1,385,687 |
| Premiums earned | \$1,638,628 | \$1,461,387 | \$1,291,226 |
| Incurred losses and LAE | 1,065,801 | 1,094,854 | 1,122,695 |
| Commission and brokerage | 267,449 | 250,081 | 205,303 |

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| | | | |
|-----------------------------|----------|-------------|--------------|
| Other underwriting expenses | 228,667 | 186,081 | 176,772 |
| Underwriting gain (loss) | \$76,711 | \$(69,629) | \$(213,544) |

F-66

The following table reconciles the underwriting results for the operating segments to income before taxes as reported in the consolidated statements of operations and comprehensive income (loss) for the periods indicated:

| (Dollars in thousands) | Years Ended December 31, | | |
|--|--------------------------|-------------|-------------|
| | 2018 | 2017 | 2016 |
| Underwriting gain (loss) | \$(610,275) | \$(207,521) | \$689,423 |
| Net investment income | 581,183 | 542,898 | 473,085 |
| Net realized capital gains (losses) | (127,136) | 153,194 | (7,216) |
| Net derivative gain (loss) | 520 | 9,581 | 18,647 |
| Corporate expenses | (30,672) | (25,923) | (27,231) |
| Interest, fee and bond issue cost amortization expense | (31,031) | (31,603) | (36,228) |
| Other income (expense) | (9,060) | (35,442) | (10,636) |
| Income (loss) before taxes | \$(226,471) | \$405,184 | \$1,099,844 |

The Company produces business in the U.S., Bermuda and internationally. The net income deriving from and assets residing in the individual foreign countries in which the Company writes business are not identifiable in the Company's financial records. Based on gross written premium, the table below presents the largest country, other than the U.S., in which the Company writes business, for the periods indicated:

| (Dollars in thousands) | Years Ended December 31, | | |
|------------------------|--------------------------|-----------|-----------|
| | 2018 | 2017 | 2016 |
| United Kingdom | \$914,612 | \$730,826 | \$688,598 |

Approximately 19.7%, 20.4% and 19.4% of the Company's gross written premiums in 2018, 2017 and 2016, respectively, were sourced through the Company's largest intermediary.

18. DISPOSITIONS

On August 24, 2016, the Company sold Heartland, its crop Managing General Agent to CGB for \$49,000 thousand. The sale agreement includes a provision for a long term strategic reinsurance relationship with CGB. The Company has recognized an after-tax loss on the sale of Heartland of \$12,942 thousand. Under the terms of the reinsurance arrangement, there has not been a material fluctuation in the level of crop business, although it has been reflected as reinsurance rather than insurance.

19. SUBSEQUENT EVENTS

The Company has evaluated known recognized and non-recognized subsequent events. The Company does not have any subsequent events to report.

F-67

20. UNAUDITED QUARTERLY FINANCIAL DATA

Summarized quarterly financial data for the periods indicated:

| (Dollars in thousands, except per share amounts) | 2018 | | | |
|---|-------------|-------------|-------------|-------------|
| | 1st Quarter | 2nd Quarter | 3rd Quarter | 4th Quarter |
| Operating data: | | | | |
| Gross written premiums | \$1,931,607 | \$2,066,521 | \$2,198,664 | \$2,278,361 |
| Net written premiums | 1,672,206 | 1,746,378 | 1,938,773 | 2,057,071 |
| Premiums earned | 1,619,427 | 1,729,818 | 1,731,479 | 1,850,975 |
| Net investment income | 138,294 | 141,322 | 161,363 | 140,204 |
| Net realized capital gains (losses) | (24,901) | 15,776 | 54,804 | (172,815) |
| Total claims and underwriting expenses | 1,511,100 | 1,817,815 | 1,731,201 | 2,481,858 |
| Net income (loss) | 210,318 | 69,895 | 205,613 | (382,274) |
| Earnings per common share attributable to Everest Re Group: | | | | |
| Basic | \$5.14 | \$1.71 | \$5.04 | \$(9.50) |
| Diluted | \$5.11 | \$1.70 | \$5.02 | \$(9.50) |
| | | | | |
| (Dollars in thousands, except per share amounts) | 2017 | | | |
| | 1st Quarter | 2nd Quarter | 3rd Quarter | 4th Quarter |
| Operating data: | | | | |
| Gross written premiums | \$1,600,944 | \$1,601,649 | \$2,044,902 | \$1,926,427 |
| Net written premiums | 1,413,814 | 1,339,133 | 1,798,089 | 1,693,625 |
| Premiums earned | 1,312,097 | 1,369,681 | 1,598,875 | 1,657,187 |
| Net investment income | 122,289 | 134,508 | 136,973 | 149,128 |
| Net realized capital gains (losses) | 52,728 | 25,268 | 41,535 | 33,663 |
| Total claims and underwriting expenses | 1,128,944 | 1,240,100 | 2,616,340 | 1,159,977 |
| Net income (loss) | 291,643 | 245,674 | (639,374) | 571,025 |
| Earnings per common share attributable to Everest Re Group: | | | | |
| Basic | \$7.12 | \$5.98 | \$(15.73) | \$13.92 |
| Diluted | \$7.07 | \$5.95 | \$(15.73) | \$13.85 |

SCHEDULE I — SUMMARY OF INVESTMENTS —
OTHER THAN INVESTMENTS IN RELATED PARTIES
December 31, 2018

| Column A | Column B | Column C | Column D |
|---|---------------|---------------|---------------|
| | | Market | Amount |
| (Dollars in thousands) | Cost | Value | Shown in |
| | | | Balance |
| | | | Sheet |
| Fixed maturities-available for sale | | | |
| Bonds: | | | |
| U.S. government and government agencies | \$ 2,629,454 | \$ 2,631,134 | \$ 2,631,134 |
| State, municipalities and political subdivisions | 490,018 | 500,094 | 500,094 |
| Foreign government securities | 1,335,328 | 1,314,165 | 1,314,165 |
| Foreign corporate securities | 2,694,922 | 2,661,058 | 2,661,058 |
| Public utilities | 287,784 | 283,903 | 283,903 |
| All other corporate bonds | 5,792,179 | 5,698,522 | 5,698,522 |
| Mortgage - backed securities: | | | |
| Commercial | 329,883 | 326,710 | 326,710 |
| Agency residential | 1,832,760 | 1,796,264 | 1,796,264 |
| Non-agency residential | 10,198 | 10,209 | 10,209 |
| Redeemable preferred stock | 4,046 | 3,204 | 3,204 |
| Total fixed maturities-available for sale | 15,406,572 | 15,225,263 | 15,225,263 |
| Fixed maturities - available for sale at fair value | 2,337 | 2,337 | 2,337 |
| Equity securities - at fair value ⁽¹⁾ | 766,102 | 716,639 | 716,639 |
| Short-term investments | 241,010 | 240,987 | 240,987 |
| Other invested assets | 1,591,745 | 1,591,745 | 1,591,745 |
| Cash | 656,095 | 656,095 | 656,095 |
| Total investments and cash | \$ 18,663,861 | \$ 18,433,066 | \$ 18,433,066 |

⁽¹⁾ Original cost does not reflect fair value adjustments, which have been realized through the statements of operations and comprehensive income (loss).

SCHEDULE II — CONDENSED FINANCIAL INFORMATION OF THE REGISTRANT
CONDENSED BALANCE SHEETS

| (Dollars and share amounts in thousands, except par value per share) | December 31, | |
|---|--------------------|--------------------|
| | 2018 | 2017 |
| ASSETS: | | |
| Fixed maturities - available for sale, at market value (amortized cost: 2018, \$76,274; 2017, \$100,703) | \$76,170 | \$100,697 |
| Other invested assets (cost: 2018, \$91; 2017, \$102,559) | 91 | 102,559 |
| Cash | 198 | 3,275 |
| Investment in subsidiaries, at equity in the underlying net assets | 7,776,940 | 8,356,791 |
| Accrued investment income | 277 | 394 |
| Receivable from subsidiaries | 6,726 | 7,361 |
| Other assets | 44,737 | 49,829 |
| TOTAL ASSETS | \$7,905,139 | \$8,620,906 |
| LIABILITIES: | | |
| Long term note payable - Affiliated | \$- | \$250,000 |
| Due to subsidiaries | 1,065 | 1,017 |
| Other liabilities | 270 | 657 |
| Total liabilities | 1,335 | 251,674 |
| SHAREHOLDERS' EQUITY: | | |
| Preferred shares, par value: \$0.01; 50,000 shares authorized; no shares issued and outstanding | - | - |
| Common shares, par value: \$0.01; 200,000 shares authorized; (2018) 69,202 and (2017) 69,044 issued outstanding before treasury shares | 692 | 691 |
| Additional paid-in capital | 2,188,777 | 2,165,768 |
| Accumulated other comprehensive income (loss), net of deferred income tax expense (benefit) of (\$20,697) at 2018 and \$9,356 at 2017 | (462,557) | (160,891) |
| Treasury shares, at cost; 28,551 shares (2018) and 28,208 shares (2017) | (3,397,548) | (3,322,244) |
| Retained earnings | 9,574,440 | 9,685,908 |
| Total shareholders' equity | 7,903,804 | 8,369,232 |
| TOTAL LIABILITIES AND SHAREHOLDERS' EQUITY | \$7,905,139 | \$8,620,906 |

See notes to consolidated financial statements.

SCHEDULE II — CONDENSED FINANCIAL INFORMATION OF THE
REGISTRANT
CONDENSED STATEMENTS OF OPERATIONS

| | Years Ended December 31, | | |
|---|--------------------------|-----------|-------------|
| | 2018 | 2017 | 2016 |
| (Dollars in thousands) | | | |
| REVENUES: | | | |
| Net investment income | \$3,790 | \$1,344 | \$879 |
| Net realized capital gains (losses) | (57) | 80 | 144 |
| Other income (expense) | (5,298) | (6,873) | 5,022 |
| Net income (loss) of subsidiaries | 127,369 | 495,496 | 1,012,315 |
| Total revenues | 125,804 | 490,048 | 1,018,360 |
| EXPENSES: | | | |
| Interest expense - affiliated | 4,085 | 4,300 | 4,300 |
| Other expenses | 18,167 | 16,780 | 17,716 |
| Total expenses | 22,252 | 21,080 | 22,016 |
| INCOME (LOSS) BEFORE TAXES | 103,552 | 468,968 | 996,344 |
| Income tax expense (benefit) | - | - | - |
| NET INCOME (LOSS) | \$103,552 | \$468,968 | \$996,344 |
| Other comprehensive income (loss), net of tax: | | | |
| Unrealized appreciation (depreciation) ("URA(D)") on securities arising during the period | (255,656) | (64,348) | 57,629 |
| Reclassification adjustment for realized losses (gains) included in net income (loss) | 27,496 | (6,950) | 15,118 |
| Total URA(D) on securities arising during the period | (228,160) | (71,298) | 72,747 |
| Foreign currency translation adjustments | (76,816) | 121,917 | (55,341) |
| Benefit plan actuarial net gain (loss) for the period | (510) | 1,027 | (7,488) |
| Reclassification adjustment for amortization of net (gain) loss included in net income (loss) | 5,021 | 5,477 | 5,073 |
| Total benefit plan net gain (loss) for the period | 4,511 | 6,504 | (2,415) |
| Total other comprehensive income (loss), net of tax | (300,465) | 57,123 | 14,991 |
| COMPREHENSIVE INCOME (LOSS) | \$ (196,913) | \$526,091 | \$1,011,335 |

See notes to consolidated financial statements.

SCHEDULE II — CONDENSED FINANCIAL INFORMATION OF THE
REGISTRANT
CONDENSED STATEMENTS OF CASH FLOWS

| (Dollars in thousands) | Years Ended December 31, | | |
|---|--------------------------|------------|-------------|
| | 2018 | 2017 | 2016 |
| CASH FLOWS FROM OPERATING ACTIVITIES: | | | |
| Net income (loss) | \$ 103,552 | \$ 468,968 | \$ 996,344 |
| Adjustments to reconcile net income to net cash provided by operating activities: | | | |
| Equity in retained (earnings) deficit of subsidiaries | (127,369) | (495,496) | (1,012,315) |
| Dividends received from Bermuda Re | 750,000 | 400,000 | 650,000 |
| Dividends received from Everest International | 200,000 | - | 40,000 |
| Dividends received from Mt. Logan Re | - | 25,000 | - |
| Change in other assets and liabilities, net | 4,823 | 6,107 | 66 |
| Increase (decrease) in due to/from affiliates | 683 | (6,470) | (206) |
| Amortization of bond premium (accrual of bond discount) | (577) | 12 | (56) |
| Realized capital losses (gains) | 57 | (80) | (144) |
| Non-cash compensation expense | 2,740 | 3,448 | 2,311 |
| Net cash provided by (used in) operating activities | 933,909 | 401,489 | 676,000 |
| CASH FLOWS FROM INVESTING ACTIVITIES: | | | |
| Additional investment in subsidiaries | (542,965) | (109,815) | (77,324) |
| Proceeds from fixed maturities matured/called - available for sale, at market value | 93 | 696 | 1,152 |
| Proceeds from fixed maturities sold - available for sale, at market value | 24,856 | 90,154 | 75,025 |
| Distribution from other invested assets | 1,026,297 | 546,414 | 757,399 |
| Cost of fixed maturities acquired - available for sale, at market value | - | (189,308) | - |
| Cost of other invested assets acquired | (923,828) | (503,937) | (902,435) |
| Net change in short-term investments | - | - | 18,288 |
| Net cash provided by (used in) investing activities | (415,547) | (165,796) | (127,895) |
| CASH FLOWS FROM FINANCING ACTIVITIES: | | | |
| Common shares issued during the period, net | 20,086 | 22,790 | 34,861 |
| Purchase of treasury shares | (75,304) | (50,000) | (386,288) |
| Dividends paid to shareholders | (216,221) | (207,242) | (195,384) |
| Cost of repayment of long term note - affiliated | (250,000) | - | - |
| Net cash provided by (used in) financing activities | (521,439) | (234,452) | (546,811) |
| EFFECT OF EXCHANGE RATE CHANGES ON CASH | | | |
| | - | - | - |
| Net increase (decrease) in cash | (3,077) | 1,241 | 1,294 |
| Cash, beginning of period | 3,275 | 2,034 | 740 |
| Cash, end of period | \$ 198 | \$ 3,275 | \$ 2,034 |

See notes to consolidated financial statements.

SCHEDULE II – CONDENSED FINANCIAL INFORMATION OF THE REGISTRANT
NOTES TO CONDENSED FINANCIAL INFORMATION

- 1.) The accompanying condensed financial information should be read in conjunction with the consolidated financial statements and related Notes of Everest Re Group, Ltd. and its Subsidiaries.

- 2.) Everest Re Group, Ltd. entered into a \$250,000 thousand long term promissory note agreement with Everest Reinsurance Holdings, Inc., an affiliated company, as of December 31, 2014. The note was scheduled to mature on December 31, 2023 but was repaid in December 2018. As of December 31, 2017, this transaction was presented as a Long Term Note Payable – Affiliated in the Condensed Balance Sheets of Everest Re Group, Ltd.

- 3.) Everest Re Group, Ltd. has invested funds in the segregated accounts of Mt. Logan Re, Ltd. (“Mt. Logan Re”), an affiliated entity. On the Condensed Balance Sheets, investments in Mt. Logan Re valued at \$45,625 thousand and \$50,373 thousand as of December 31, 2018 and 2017, respectively, have been recorded within Other Assets. On the Condensed Statements of Operations, expense of \$4,695 thousand, expense of \$6,352 thousand and income of \$5,536 thousand for the years ended December 31, 2018, 2017 and 2016, respectively, have been recorded in other income (expense).

S-5

SCHEDULE III — SUPPLEMENTARY
INSURANCE INFORMATION

| Column A | Column B | Column C Reserve | Column D | Column E | Column F | Column G Incurred | Column H | Column I | Column J |
|------------------------|----------------------------|---|---------------------------|-----------------|-----------------------|-----------------------------------|--|--------------------------|---------------------|
| Geographic Area | Deferred Acquisition Costs | for Losses and Loss Adjustment Expenses | Unearned Premium Reserves | Premiums Earned | Net Investment Income | Loss and Loss Adjustment Expenses | Amortization of Deferred Acquisition Costs | Other Operating Expenses | Net Written Premium |
| (Dollars in thousands) | Costs | Expenses | Reserves | Earned | Income | Expenses | Costs | Expenses | Premium |
| December 31, 2018 | | | | | | | | | |
| Domestic | \$334,818 | \$8,154,003 | \$1,695,208 | \$4,167,619 | \$287,002 | \$3,849,982 | \$835,823 | \$288,933 | \$4,350,15 |
| International | 54,253 | 2,209,202 | 261,611 | 1,439,882 | 34,965 | 992,704 | 364,010 | 39,042 | 1,458,74 |
| Bermuda | 122,502 | 2,755,885 | 560,793 | 1,324,198 | 259,216 | 808,717 | 319,197 | 43,566 | 1,605,52 |
| Total | \$511,573 | \$13,119,090 | \$2,517,612 | \$6,931,699 | \$581,183 | \$5,651,403 | \$1,519,030 | \$371,541 | \$7,414,42 |
| December 31, 2017 | | | | | | | | | |
| Domestic | \$289,636 | \$7,254,043 | \$1,460,291 | \$3,642,547 | \$259,621 | \$2,727,649 | \$712,568 | \$241,962 | \$3,875,98 |
| International | 53,186 | 2,175,500 | 253,626 | 1,202,043 | 32,407 | 1,059,640 | 287,688 | 38,844 | 1,229,59 |
| Bermuda | 68,765 | 2,454,778 | 286,639 | 1,093,250 | 250,870 | 735,292 | 303,707 | 38,011 | 1,139,08 |
| Total | \$411,587 | \$11,884,321 | \$2,000,556 | \$5,937,840 | \$542,898 | \$4,522,581 | \$1,303,963 | \$318,817 | \$6,244,66 |
| December 31, 2016 | | | | | | | | | |
| Domestic | \$220,864 | \$6,604,867 | \$1,110,528 | \$3,363,381 | \$234,123 | \$2,191,170 | \$671,256 | \$230,879 | \$3,356,26 |
| International | 52,014 | 1,748,380 | 237,120 | 1,119,121 | 33,059 | 486,550 | 283,447 | 35,512 | 1,082,71 |
| Bermuda | 71,174 | 1,959,065 | 229,898 | 837,964 | 205,902 | 461,909 | 233,989 | 36,331 | 831,931 |
| Total | \$344,052 | \$10,312,313 | \$1,577,546 | \$5,320,466 | \$473,085 | \$3,139,629 | \$1,188,692 | \$302,722 | \$5,270,90 |

(Some amounts may not reconcile due to rounding.)

SCHEDULE IV — REINSURANCE

| Column A | Column B | Column C | Column D | Column E | Column F | |
|--|-----------------|--------------------------------|------------------------------------|---------------|-------------------|---|
| (Dollars in thousands) | Gross Amount | Ceded to Other Companies | Assumed from Other Companies | Net Amount | Assumed to Net | |
| December 31, 2018 | | | | | | |
| Total property and liability insurance premiums earned | \$2,129,320 | \$1,004,953 | \$5,807,332 | \$6,931,699 | 83.8 | % |
| December 31, 2017 | | | | | | |
| Total property and liability insurance premiums earned | \$1,825,705 | \$833,387 | \$4,945,522 | \$5,937,840 | 83.3 | % |
| December 31, 2016 | | | | | | |
| Total property and liability insurance premiums earned | \$1,694,702 | \$736,180 | \$4,361,944 | \$5,320,466 | 82.0 | % |

S-7