# HORACE MANN EDUCATORS CORPORATION 

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# MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS ("MD\&A") (Dollars in millions, except per share data) 

## Forward-looking Information

Statements made in the following discussion that are not historical in nature are forwardlooking within the meaning of the Private Securities Litigation Reform Act of 1995 and are subject to known and unknown risks, uncertainties and other factors. Horace Mann is not under any obligation to (and expressly disclaims any such obligation to) update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. It is important to note that the Company's actual results could differ materially from those projected in forward-looking statements due to a number of risks and uncertainties inherent in the Company's business. For additional information regarding risks and uncertainties, see "Item 1A. Risk Factors". That discussion includes factors such as:

- The impact that a prolonged economic recession may have on the Company's investment portfolio; volume of new business for automobile, homeowners, retirement and life products; policy renewal rates; and additional annuity contract deposit receipts.
- Fluctuations in the fair value of securities in the Company's investment portfolio and the related after tax effect on the Company's shareholders' equity and total capital through either realized or unrealized investment losses.
- Prevailing low interest rate levels, including the impact of interest rates on (1) the Company's ability to maintain appropriate interest rate spreads over minimum fixed rates guaranteed in the Company's annuity and life products, (2) the book yield of the Company's investment portfolio, (3) unrealized gains and losses in the Company's investment portfolio and the related after tax effect on the Company's shareholders' equity and total capital, (4) amortization of deferred policy acquisition costs and (5) capital levels of the Company's life insurance subsidiaries.
- The frequency and severity of events such as hurricanes, storms, earthquakes and wildfires, and the ability of the Company to provide accurate estimates of ultimate claim costs in its consolidated financial statements.
- The Company's risk exposure to catastrophe-prone areas. Based on full year 2016 Property and Casualty direct earned premiums, the Company's ten largest states represented $57 \%$ of the segment total. Included in this top ten group are certain states which are considered more prone to catastrophe occurrences: California, North Carolina, Texas, South Carolina, Florida and Louisiana.
- The ability of the Company to maintain a favorable catastrophe reinsurance program considering both availability and cost; and the collectibility of reinsurance receivables.
- Adverse changes in market appreciation, interest spreads, business persistency and policyholder mortality and morbidity rates and the resulting impact on both estimated reserves and the amortization of deferred policy acquisition costs.
- The Company's ability to refinance outstanding indebtedness or repurchase shares of the Company's common stock.
- The Company's ability to (1) develop and expand its marketing operations, including agents and other points of distribution, (2) maintain and secure access to educators, school administrators, principals and school business officials; and (3) profitably expand its Property and Casualty business in highly competitive environments.
- The effects of economic forces and other issues affecting the educator market including, but not limited to, federal, state and local budget deficits and cut-backs and adverse changes in state and local tax revenues. The effects of these forces can include, among others, teacher layoffs and early retirements, as well as individual concerns regarding employment and economic uncertainty.
- Changes in federal and state laws and regulations, which affect the relative tax and other advantages of the Company's life and annuity products to customers, including, but not limited to, changes in IRS regulations governing Section 403(b) plans.
- Changes in public employee retirement programs as a result of federal and/or state level pension reform initiatives.
- Changes in federal and state laws and regulations, which affect the relative tax advantage of certain investments or which affect the ability of debt issuers to declare bankruptcy or restructure debt.
- The Company's ability to effectively implement new or enhanced information technology systems and applications.
- Changes in Cybersecurity regulations as a result of state level requirements.


## Executive Summary

Horace Mann Educators Corporation ("HMEC"; and together with its subsidiaries, the "Company" or "Horace Mann") is an insurance holding company. Through its subsidiaries, HMEC markets and underwrites personal lines of property and casualty insurance, annuities and life insurance in the U.S. The Company markets its products primarily to $\mathrm{K}-12$ teachers, administrators and other employees of public schools and their families.

For 2016, the Company's net income of $\$ 83.8$ million decreased $\$ 9.7$ million compared to 2015. After tax net realized investment gains were $\$ 2.3$ million compared to $\$ 8.6$ million a year earlier. For the Property and Casualty segment, net income of $\$ 25.6$ million decreased $\$ 14.4$ million compared to 2015. The Property and Casualty combined ratio was $101.5 \%$ for 2016, 4.5 percentage points higher than the $97.0 \%$ in 2015 , primarily as a result of a 2.3 point increase in catastrophe losses, or an increase of $\$ 15.6$ million on pretax basis. One percentage increase, or $\$ 5.5$ million pretax basis, was related to a lower level of favorable prior years' reserve development in 2016 compared to the full year 2015. On an underlying basis, the combined ratio increased 1.2 percentage points to $92.9 \%$. The underlying auto combined ratio increased 2.4 percentage points, to $105.1 \%$, primarily as a result of higher loss frequency and severity. This increase was somewhat offset by a 1.7 percentage point improvement in the underlying property combined ratio, which for the full year 2016 was $68.6 \%$. The improvement in property results was primarily driven by the impacts of profitability improvement initiatives, as well as, lower catastrophe reinsurance costs. The Retirement segment's net income was $\$ 50.7$ million for 2016 which increased $\$ 7.3$ million compared to 2015, primarily due to an increase in investment income that drove improvement in the net interest spread offset by costs related to the Company's continued infrastructure and strategic investments. The net interest margin amount (without net realized investment gains/losses) increased $\$ 8.1$ million after tax compared to 2015, including increases in investment prepayment activity. The impact of unlocking deferred policy acquisition costs increased income by $\$ 2.4$ million compared to 2015. In addition, income tax expense was reduced by approximately $\$ 0.9$ million related to the filing of the prior calendar year tax return. Annuity assets under management of $\$ 6.4$ billion increased $7.2 \%$ compared to a year earlier and disciplined crediting rate management continues. Life segment net income of $\$ 16.6$ million increased $\$ 1.6$ million compared to 2015 primarily as a result of an increase in investment income and a decrease in mortality expenses in 2016.

Premiums written and contract deposits* increased slightly compared to 2015 as growth in the Property and Casualty and Life segments was offset by a decrease in the amount of annuity deposits received in 2016. Property and Casualty segment premiums written increased $4.7 \%$ compared to the prior year, primarily due to the favorable impacts from increases in average premium per policy for homeowners and automobile, accompanied by reductions in catastrophe reinsurance costs. Life segment insurance premiums and contract deposits increased $5.2 \%$ compared to 2015 . Annuity deposits received for Retirement decreased $5.1 \%$, due to the inclusion of a favorable impact of non-recurring deposits in 2015 related to changes in the Company's employee retirement savings plans as further explained in "Results of Operations -- Insurance Premiums and Contract Charges".

The Company's book value per share was $\$ 32.15$ at December 31, 2016, an increase of $3.1 \%$ compared to 12 months earlier.

## Critical Accounting Policies

The preparation of consolidated financial statements in conformity with U.S. generally accepted accounting principles ("GAAP") requires the Company's management to make estimates and assumptions based on information available at the time the consolidated financial statements are prepared. These estimates and assumptions affect the reported amounts of the Company's consolidated assets, liabilities, shareholders' equity and net income. Certain accounting estimates are particularly sensitive because of their significance to the Company's consolidated financial statements and because of the possibility that subsequent events and available information may differ markedly from management's judgments at the time the consolidated financial statements were prepared. Management has discussed with the Audit Committee the quality, not just the acceptability, of the Company's accounting principles as applied in its financial reporting. The discussions generally included such matters as the consistency of the Company's accounting policies and their application, and the clarity and completeness of the Company's consolidated financial statements, which include related disclosures. For the Company, areas most subject to significant management judgments include: fair value measurements, other-than-temporary impairment of investments, goodwill, deferred policy acquisition costs for investment contracts and life insurance products with account values, liabilities for property and casualty claims and claim expenses, liabilities for future policy benefits, deferred taxes and valuation of assets and liabilities related to the defined benefit pension plan.

Information regarding the Company's accounting policies pertaining to these topics is located in the "Notes to Consolidated Financial Statements" as listed on page F-1 of this report and is not repeated in the discussion below.

## Fair Value Measurements

The fair value of a financial instrument is the estimated amount at which the instrument could be exchanged in an orderly transaction between knowledgeable, unrelated and willing parties. The valuation of fixed maturity securities and equity securities is more subjective when markets are less liquid due to the lack of market based inputs, which may increase the potential that the estimated fair value of an investment is not reflective of the price at which an actual transaction would occur. See also "Notes to Consolidated Financial Statements -- Note 3 -- Fair Value of Financial Instruments".

## Valuation of Fixed Maturity and Equity Securities

The fair value of the Company's fixed maturity securities portfolio was $\$ 7,456.7$ million at December 31, 2016. For fixed maturity securities, each month the Company obtains fair value prices from its investment managers and custodian bank, each of which use a variety of independent, nationally recognized pricing sources to determine market valuations. Typical inputs used by these pricing sources include, but are not limited to, reported trades, benchmark yield curves, benchmarking of like securities, rating designations, sector groupings, issuer spreads, bids, offers, and/or estimated cash flows and prepayment speeds. The Company's fixed maturity securities portfolio is primarily publicly traded, which allows for a high percentage of the portfolio to be priced through pricing services. Approximately $90 \%$ of the portfolio, based on fair value, was priced through pricing services or index priced using observable inputs as of December 31, 2016. The remainder of the portfolio was priced by broker-dealers or pricing models.

When the pricing sources cannot provide fair value determinations, the Company obtains non-binding price quotes from broker-dealers. The broker-dealers' valuation methodology is sometimes matrix-based, using indicative evaluation measures and adjustments for specific security characteristics and market sentiment. The market inputs utilized in the evaluation measures and adjustments include: benchmark yield curves, reported trades, broker/dealer quotes, ratings and corresponding issuer spreads, two-sided markets, benchmark securities, bids, offers, reference data, and industry and economic events. The extent of the use of each market input depends on the market sector and the market conditions. Depending on the security, the priority of the use of inputs may change or some market inputs may not be relevant. For some securities, additional inputs may be necessary.

The Company analyzes price and market valuations received and has in place certain control processes to determine the reasonableness of the financial asset fair values. These processes are designed to ensure (1) the values received are reasonable and accurately recorded, (2) the data inputs and valuation techniques utilized are appropriate and consistently applied, and (3) the assumptions are reasonable and consistent with the objective of determining fair value.

The fair value of the Company's equity securities portfolio was $\$ 141.6$ million at December 31, 2016. All of the portfolio was priced from observable market quotations at December 31, 2016. Fair values of equity securities have been determined by the Company from observable market quotations, when available. When a public quotation is not available, equity securities are valued by using non-binding broker quotes or through the use of pricing models or analysis that is based on market information regarding interest rates, credit spreads and liquidity. The underlying source data for calculating the matrix of credit spreads relative to the U.S. Treasury curve are nationally recognized indices. In addition, credit rating (or credit quality equivalent information) of securities is also factored into a pricing matrix. These inputs are based on assumptions deemed appropriate given the circumstances and are believed to be consistent with what other market participants would use when pricing such securities.

At December 31, 2016, Level 3 invested assets comprised approximately $3 \%$ of the Company's total investment portfolio fair value. Invested assets are classified as Level 3 when fair value is determined based on unobservable inputs that are supported by little or no market activity and those inputs are significant to the fair value.

The Company's methodology of assessing other-than-temporary impairments is based on security-specific facts and circumstances as of the balance sheet date. The Company reviews the fair value of all investments in its portfolio on a monthly basis to assess whether an other-than-temporary decline in value has occurred. These reviews, in conjunction with the Company's investment managers' monthly credit reports and relevant factors such as (1) the financial condition and near-term prospects of the issuer, (2) the length of time and extent to which the fair value has been less than amortized cost for fixed maturity securities or cost for equity securities, (3) for fixed maturity securities, the Company's intent to sell a security or whether it is more likely than not the Company will be required to sell the security before the anticipated recovery of the amortized cost basis; and for equity securities, the Company's ability and intent to hold the security for the recovery of cost or if recovery of cost is not expected within a reasonable period of time, (4) the stock price trend of the issuer, (5) the market leadership position of the issuer, (6) the debt ratings of the issuer, and (7) the cash flows and liquidity of the issuer or the underlying cash flows for asset-backed securities, are all considered in the impairment assessment.

When an other-than-temporary impairment is deemed to have occurred, the investment is written-down to fair value, with a realized loss charged to income for the period for the full loss amount for all equity securities and the credit-related loss portion associated with impaired fixed maturity securities. The amount of the total other-than-temporary impairment related to non-credit factors for fixed maturity securities is recognized in other comprehensive income, net of applicable taxes, in which the Company has the intent to sell the security or if it is more likely than not the Company will be required to sell the security before the anticipated recovery of the amortized cost basis. See also "Notes to Consolidated Financial Statements -- Note 1 -Summary of Significant Accounting Policies -- Other-than-temporary Impairment of Investments".

## Goodwill

Goodwill represents the excess of the amounts paid to acquire a business over the fair value of its net assets at the date of acquisition. Goodwill is not amortized, but is tested for impairment at the reporting unit level at least annually or more frequently if events occur or circumstances change that would more likely than not reduce the fair value of a reporting unit below its carrying amount. If the carrying amount of the reporting unit goodwill exceeds the implied goodwill value, an impairment loss would be recognized in an amount equal to that excess; the charge could have a material adverse effect on the Company's results of operations. The Company's reporting units, for which goodwill has been allocated, are equivalent to the Company's operating segments. As of December 31, 2016, the Company's allocation of goodwill by reporting unit/segment was as follows: $\$ 28.0$ million, Retirement; $\$ 9.9$ million, Life; and $\$ 9.5$ million, Property and Casualty. Also see "Notes to Consolidated Financial Statements -- Note 1 -- Summary of Significant Accounting Policies -- Goodwill".

The process of evaluating goodwill for impairment requires management to make multiple judgments and assumptions to determine the fair value of each reporting unit, including discounted cash flow calculations, the level of the Company's own share price and assumptions that market participants would make in valuing each reporting unit. Fair value estimates are based primarily on an in-depth analysis of historical experience, projected future cash flows and relevant discount rates, which consider market participant inputs and the relative risk associated with the projected cash flows. Other assumptions include levels of
economic capital, future business growth, earnings projections and assets under management for each reporting unit. Estimates of fair value are subject to assumptions that are sensitive to change and represent the Company's reasonable expectation regarding future developments. The Company also considers other valuation techniques such as peer company price-toearnings and price-to-book multiples.

The assessment of goodwill recoverability requires significant judgment and is subject to inherent uncertainty. The use of different assumptions, within a reasonable range, could cause the fair value to be below carrying value. Subsequent goodwill assessments could result in impairment, particularly for each reporting unit with at-risk goodwill, due to the impact of a volatile financial market on earnings, discount rate assumptions, liquidity and market capitalization. There were no events or material changes in circumstances during 2016 that indicated that a material change in the fair value of the Company's reporting units had occurred.

Deferred Policy Acquisition Costs for Investment Contracts and Life Insurance Products with Account Values

Policy acquisition costs, consisting of commissions, policy issuance and other costs which are incremental and directly related to the successful acquisition of new or renewal business, are deferred and amortized on a basis consistent with the type of insurance coverage. For all investment (annuity) contracts, deferred policy acquisition costs are amortized over 20 years in proportion to estimated gross profits. Deferred policy acquisition costs are amortized in proportion to estimated gross profits over 20 years for certain life insurance products with account values and over 30 years for indexed universal life contracts ("IUL"). See also "Notes to Consolidated Financial Statements -- Note 1 -- Summary of Significant Accounting Policies -- Deferred Policy Acquisition Costs".

The most significant assumptions that are involved in the estimation of annuity gross profits include interest rate spreads, future financial market performance, business surrender/lapse rates, expenses and the impact of realized investment gains and losses. For the variable deposit portion of the Retirement segment, the Company amortizes deferred policy acquisition costs utilizing a future financial market performance assumption of a $10 \%$ reversion to the mean approach with a 200 basis point corridor around the mean during the reversion period, representing a cap and a floor on the Company's long-term assumption. The Company's practice with regard to returns on Separate Accounts assumes that long-term appreciation in the financial market is not changed by short-term market fluctuations, but is only changed when sustained annual deviations are experienced. The Company monitors these fluctuations and only changes the assumption when the long-term expectation changes. The potential effect of an increase/ (decrease) by 100 basis points in the assumed future rate of return is reasonably likely to result in an estimated decrease/ (increase) in the deferred policy acquisition costs amortization expense of approximately $\$ 1$ million. Although this evaluation reflects likely outcomes, it is possible an actual outcome may fall below or above these estimates. At December 31, 2016, the ratio of deferred annuity policy acquisition costs to the total annuity accumulated cash value was approximately $3 \%$.

In the event actual experience differs significantly from assumptions or assumptions are significantly revised, the Company may be required to record a material charge or credit to current period amortization expense for the period in which the adjustment is made. As noted above, there are key assumptions involved in the evaluation of deferred policy acquisition costs. In terms of the sensitivity of this amortization to two of the more significant assumptions, based on deferred annuity policy acquisition costs as of December 31, 2016 and assuming all other assumptions are met, (1) a 10 basis point deviation in the annual targeted interest rate spread assumption would impact amortization between $\$ 0.25$ million and $\$ 0.35$ million and (2) a $1 \%$ deviation from the targeted financial market performance for the underlying mutual funds of the Company's variable annuities would impact amortization between $\$ 0.20$ million and $\$ 0.30$ million. These results may change depending on the magnitude and direction of any actual deviations but represent a range of reasonably likely experience for the noted assumptions. Detailed discussion of the impact of adjustments to the amortization of deferred acquisition costs is included in "Results of Operations for the Three Years Ended December 31, 2016 -- Policy Acquisition Expenses Amortized".

## Liabilities for Property and Casualty Claims and Claim Expenses

Underwriting results of the Property and Casualty segment are significantly influenced by estimates of the Company's ultimate liability for insured events. There is a high degree of uncertainty inherent in the estimates of ultimate losses underlying the liability for unpaid claims and claim settlement expenses. This inherent uncertainty is particularly significant for liabilityrelated exposures due to the extended period, often many years that transpires between a loss event, receipt of related claims data from policyholders and ultimate settlement of the claim. Reserves for Property and Casualty claims include provisions for payments to be made on reported claims ("case reserves"), claims incurred but not yet reported ("IBNR") and associated settlement expenses (together, "loss reserves").

The process by which these reserves are established requires reliance upon estimates based on known facts and on interpretations of circumstances, including the Company's experience with similar cases and historical trends involving claim payments and related patterns, pending levels of unpaid claims and product mix, as well as other factors including court decisions, economic conditions, public attitudes and medical costs. The Company calculates and records a single best estimate of the reserve (which is equal to the actuarial point estimate) as of each balance sheet date.

Reserves are re-estimated quarterly. Changes to reserves are recorded in the period in which development factor changes result in reserve re-estimates. A detailed discussion of the process utilized to estimate loss reserves, risk factors considered and the impact of adjustments recorded during recent years is included in "Notes to Consolidated Financial Statements -- Note 5 -- Property and Casualty Unpaid Claims and Claim Expenses". Due to the nature of the Company's personal lines business, the Company has no exposure to losses related to claims for toxic waste cleanup, other environmental remediation or asbestos-related illnesses other than claims under homeowners insurance policies for environmentally related items such as mold.

Based on the Company's products and coverages, historical experience, and modeling of various actuarial methodologies used to develop reserve estimates, the Company estimates that the potential variability of the Property and Casualty loss reserves within a reasonable probability of other possible outcomes may be approximately plus or minus $6 \%$, which equates to plus or minus approximately $\$ 10$ million of net income based on net reserves as of December 31, 2016. Although this evaluation reflects the most likely outcomes, it is possible the final outcome may fall below or above these estimates.

There are a number of assumptions involved in the determination of the Company's Property and Casualty loss reserves. Among the key factors affecting recorded loss reserves for both long-tail and short-tail related coverages, claim severity and claim frequency are of particular significance. Management estimates that a $2 \%$ change in claim severity or claim frequency for the most recent 36 month period is a reasonably likely scenario based on recent experience and would result in a change in the estimated net reserves of between $\$ 6.0$ million and $\$ 10.0$ million for long-tail liability related exposures (automobile liability coverages) and between $\$ 1.0$ million and $\$ 3.0$ million for short-tail liability related exposures (homeowners and automobile physical damage coverages). Actual results may differ, depending on the magnitude and direction of the deviation.

The Company's actuaries discuss their loss and loss adjustment expense actuarial analysis with management. As part of this discussion, the indicated point estimate of the IBNR loss reserve by line of business (coverage) is reviewed. The Company's actuaries also discuss any indicated changes to the underlying assumptions used to calculate the indicated point estimate. Any variance between the indicated reserves from these changes in assumptions and the previously carried reserves is reviewed. After discussion of these analyses and all relevant risk factors, management determines whether the reserve balances require adjustment. The Company's best estimate of loss reserves may change depending on a revision in the underlying assumptions.

The Company's liabilities for unpaid claims and claim expenses for the Property and Casualty segment were as follows:

|  | December 31, 2016 |  |  | December 31, 2015 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Case Reserves | IBNR Reserves | Total (1) | Case Reserves | IBNR Reserves | Total (1) |
| Automobile liability ............ | \$ 95.2 | \$152.5 | \$247.7 | \$ 92.5 | \$139.5 | \$232.0 |
| Automobile other............... | 6.9 | 1.8 | 8.7 | 8.4 | 1.5 | 9.9 |
| Homeowners .................... | 11.2 | 26.2 | 37.4 | 15.3 | 30.7 | 46.0 |
| All other........................... | 2.9 | 11.1 | 14.0 | 4.7 | 9.0 | 13.7 |
| Total ............................ | \$116.2 | \$191.6 | \$307.8 | \$120.9 | \$180.7 | \$301.6 |

(1) These amounts are gross, before reduction for ceded reinsurance reserves.

The facts and circumstances leading to the Company's re-estimate of reserves relate to revisions of the development factors used to predict how losses are likely to develop from the end of a reporting period until all claims have been paid. Re-estimates occur because actual loss amounts are different than those predicted by the estimated development factors used in prior reserve estimates. At December 31, 2016, the impact of a reserve re-estimation resulting in a $1 \%$ increase in net reserves would be a decrease of approximately $\$ 2$ million in net income. A reserve re-estimation resulting in a $1 \%$ decrease in net reserves would increase net income by approximately $\$ 2$ million.

Favorable prior years' reserve reestimates increased net income in 2016 by approximately $\$ 5$ million, primarily the result of favorable severity trends in property for accident years 2014 and prior. The lower than expected claims emergence and resultant lower expected loss ratios caused the Company to lower its reserve estimate at December 31, 2016.

## Investment Contract and Life Policy Reserves

Liabilities for future benefits on life and annuity policies are established in amounts adequate to meet the estimated future obligations on policies in force. Liabilities for future policy benefits on certain life insurance policies are computed using the net level premium method and are based on assumptions as to future investment yield, mortality and lapses. Mortality and lapse assumptions for all policies have been based on actuarial tables which are consistent with the Company's own experience. In the event actual experience is worse than the assumptions, additional reserves may be required. This would result in a charge to income for the period in which the increase in reserves occurred. Liabilities for future benefits on annuity contracts and certain long-duration life insurance contracts are carried at accumulated policyholder values without reduction for potential surrender or withdrawal charges. See also "Notes to Consolidated Financial Statements -- Note 1 -- Summary of Significant Accounting Policies -- Investment Contract and Life Policy Reserves".

## Deferred Taxes

Deferred tax assets and liabilities represent the tax effect of the differences between the financial statement carrying value of existing assets and liabilities and their respective tax bases. The Company evaluates deferred tax assets periodically to determine if they are realizable. Factors in the determination include the performance of the business including the ability to generate taxable income from a variety of sources and tax planning strategies. If, based on available information, it is more likely than not that the deferred income tax asset will not be realized, then a valuation allowance must be established with a corresponding charge to net income. Charges to establish a valuation allowance could have a material adverse effect on the Company's results of operations and financial position. See also "Notes to Consolidated Financial Statements -- Note 8 -- Income Taxes".

## Valuation of Liabilities Related to the Defined Benefit Pension Plan

The Company's cost estimates for its frozen defined benefit pension plan are determined annually based on assumptions which include the discount rate, expected return on plan assets, anticipated retirement rate and estimated lump sum distributions. A discount rate of $3.90 \%$ was used by the Company for estimating accumulated benefits under the plan at December 31, 2016, which was based on the average yield for long-term, high grade securities having maturities generally consistent with the defined benefit pension payout period. To set its discount rate, the Company looks to leading indicators, including the Mercer Above Mean Yield Curve. The expected annual return on plan assets assumed by the Company at December 31, 2016 was $6.50 \%$. The assumption for the long-term rate of return on plan assets was determined by considering actual investment experience during the lifetime of the plan, balanced with reasonable expectations of future growth considering the various classes of assets and percentage allocation for each asset class. Management believes that it has adopted reasonable assumptions for investment returns, discount rates and other key factors used in the estimation of pension costs and asset values.

To the extent that actual experience differs from the Company's assumptions, subsequent adjustments may be required, with the effects of those adjustments charged or credited to income and/or shareholders' equity for the period in which the adjustments are made. Generally, a change of 50 basis points in the discount rate would inversely impact pension expense and accumulated other comprehensive income ("AOCI") by approximately $\$ 0.1$ million and $\$ 1.1$ million, respectively. In addition, for every $\$ 1$ million increase (decrease) in the value of pension plan assets, there is a comparable pretax increase (decrease) in AOCI. See also "Notes to Consolidated Financial Statements -- Note 11 -- Pension Plans and Other Postretirement Benefits".

## Results of Operations for the Three Years Ended December 31, 2016

Insurance Premiums and Contract Charges

|  | Year Ended December 31, |  | Change From Prior Year |  | $\begin{gathered} \begin{array}{c} \text { Year Ended } \\ \text { December 31, } \end{array} \\ \hline 2014 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | Percent | Amount |  |
| Insurance premiums written and contract deposits (includes annuity and life contract deposits) |  |  |  |  |  |
| Property and Casualty........................... | \$ 634.3 | \$ 605.8 | 4.7\% | \$ 28.5 | \$ 584.4 |
| Retirement (annuity).............................. | 520.2 | 548.0 | -5.1\% | (27.8) | 480.6 |
| Life..................................................... | 108.0 | 102.7 | 5.2\% | 5.3 | 102.7 |
| Total | \$1,262.5 | \$1,256.5 | 0.5\% | \$ 6.0 | \$1,167.7 |
| Insurance premiums and contract charges earned (excludes annuity and life contract deposits) |  |  |  |  |  |
| Property and Casualty........................... | \$ 620.5 | \$ 596.0 | 4.1\% | \$ 24.5 | \$ 581.8 |
| Retirement (annuity)............................. | 24.9 | 25.4 | -2.0\% | (0.5) | 25.6 |
| Life .................................................... | 113.7 | 110.5 | 2.9\% | 3.2 | 108.4 |
| Total ............................................. | \$ 759.1 | \$ 731.9 | 3.7\% | \$27.2 | \$ 715.8 |

Number of Policies and Contracts in Force
(actual counts)

|  | As of December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| Property and Casualty |  |  |  |
| Automobile. | 484,915 | 486,939 | 480,777 |
| Property.. | 220,137 | 224,531 | 229,072 |
| Total. | 705,052 | 711,470 | 709,849 |
| Retirement | 219,105 | 211,071 | 202,572 |
| Life. | 197,937 | 201,789 | 200,867 |

For 2016, the Company's premiums written and contract deposits* of $\$ 1,262.5$ million increased $\$ 6.0$ million, or $0.5 \%$. For 2015, the Company's premiums written and contract deposits of $\$ 1,256.5$ million increased $\$ 88.8$ million, or $7.6 \%$, compared to a year earlier, led by growth in the Retirement segment as well as growth in the Property and Casualty segment. Changes in the Company's employee retirement savings plans which were effective beginning in 2015 led to approximately $\$ 30$ million of the $\$ 88.8$ million increase in 2015; consolidated and Retirement segment growth were approximately $5 \%$ and $7 \%$, respectively, in 2015 excluding this item. The Company's premiums and contract charges earned increased $\$ 27.2$ million, or $3.7 \%$, compared to 2015 , primarily due to increases in average premium per policy for both homeowners and automobile. For 2015, the Company's premiums and contract charges earned increased $\$ 16.1$ million, or $2.2 \%$, compared to 2014 primarily due to increases in average premium per policy for both homeowners and automobile.

Total Property and Casualty premiums written* increased $4.7 \%$, or $\$ 28.5$ million, in 2016, compared to 2015 , primarily due to increases in average written premium per policy for both homeowners and automobile. For 2016, the Company's full year rate plan anticipated midsingle digit average rate increases (including states with no rate actions) for both automobile and homeowners; average approved rate changes during 2016 were consistent with those plans at $6.5 \%$ for automobile and $5 \%$ for homeowners.

Based on policies in force, the automobile 12 month retention rate for new and renewal policies was $83.5 \%$ compared to $84.7 \%$ at both December 31, 2015 and 2014, respectively, with the decrease due to recent rate and underwriting actions. The property 12 month new and renewal policy retention rate was $87.8 \%, 88.3 \%$ and $87.9 \%$ at December 31, 2016, 2015 and 2014, respectively, with decrease due to recent rate and underwriting actions.

Automobile premiums written* increased $5.9 \%$, or $\$ 23.7$ million, compared to 2015 . In 2016, the average written premium per policy and average earned premium per policy increased approximately $5 \%$ and $4 \%$, respectively, compared to a year earlier. In 2015, automobile premiums written increased $4.8 \%$, or $\$ 18.4$ million, compared to 2014. In 2015, the average written premium per policy and average earned premium per policy increased approximately $3 \%$ and $2 \%$, respectively, compared to a year earlier, which was augmented by the 2015 increase in policies in force. The number of educator policies increased more than the total policy count over the three year period and represented approximately $85 \%, 85 \%$ and $84 \%$ of the automobile policies in force at December 31, 2016, 2015 and 2014, respectively.

Homeowners premiums written* increased $2.4 \%$, or $\$ 4.8$ million, compared to 2015. Homeowners premiums written increased $1.5 \%$, or $\$ 3.0$ million, compared to 2014. While the number of homeowners policies in force has declined, the average written premium per policy and average earned premium per policy each increased approximately $4 \%$, in 2016 compared to a year earlier. In addition, reduced catastrophe reinsurance costs benefited the current period premiums written by approximately $\$ 1.4$ million. In 2015, while the number of homeowners policies in force declined, the average written premium per policy and average earned premium per policy each increased approximately $3 \%$ compared to a year earlier. The number of educator policies represented approximately $82 \%$ of the homeowners policies in force at December 31, 2016, compared to approximately 81\% at December 31, 2015 and 80\% at December 31, 2014, respectively, and has reflected more moderate declines than the overall homeowner policies in force count. The number of educator policies and total policies has been, and may continue to be, impacted by the Company's risk mitigation programs, including actions in catastrophe-prone coastal areas, involving policies of both educators and non-educators.

The Company continues to evaluate and implement actions to further mitigate its risk exposure in hurricane-prone areas, as well as other areas of the country. Such actions could include, but are not limited to, non-renewal of homeowners policies, restricted agent geographic placement, limitations on agent new business sales, further tightening of underwriting standards and increased utilization of third-party vendor products. By June 30, 2015, the Company completed a non-renewal program to further address homeowners profitability and hurricane exposure issues in Florida. While this program impacted the overall policy in force count and premiums in the short-term, it reduced risk exposure concentration, reduced overall catastrophe reinsurance costs and is expected to improve homeowners longer-term underwriting results. The Company continues to write policies for tenants in Florida. The Company also authorized its agents to write certain third-party vendors' homeowners policies in Florida.

For 2016, total annuity deposits* received decreased $5.1 \%$, or $\$ 27.8$ million, compared to the prior year, primarily due to changes in the Company's employee retirement savings plans which resulted in non-recurring deposits received in 2015 . The 2016 decrease reflected a $7.6 \%$ decrease in recurring deposit receipts and a $3.3 \%$ decrease in single premium and rollover deposit receipts. Excluding the 2015 non-recurring item, the remaining 2016 decrease was minimal. For 2015, total annuity deposits received increased $14.0 \%$, or $\$ 67.4$ million, compared to the prior year, including a $22.6 \%$ increase in recurring deposit receipts and an $8.7 \%$ increase in single premium and rollover deposit receipts.

In addition to external contractholder deposits, annuity new recurring deposits include contributions and transfers by Horace Mann's employees into the Company's 401(k) group annuity contract. The Company's employee retirement savings plans are described in "Notes to Consolidated Financial Statements -- Note 11 -- Pension Plans and Other Postretirement Benefits". Note that deposits into the Company's employee 401(k) group annuity contract are not reported as "sales".

In 2016, new deposits to fixed accounts of $\$ 356.6$ million decreased $4.4 \%$, or $\$ 16.5$ million, and new deposits to variable accounts of $\$ 163.6$ million decreased $6.5 \%$, or $\$ 11.3$ million, compared to the prior year, including the impact of the 2015 non-recurring employee retirement savings plans item described above. In 2015, new deposits to fixed accounts of $\$ 373.1$ million increased $9.7 \%$, or $\$ 33.1$ million, and new deposits to variable accounts of $\$ 174.9$ million increased $24.4 \%$, or $\$ 34.3$ million, compared to the prior year.

Total annuity accumulated value on deposit of $\$ 6.4$ billion at December 31, 2016 increased $7.2 \%$ compared to a year earlier, reflecting the increase from new deposits received as well as favorable retention. Accumulated value retention for the variable annuity option was $94.7 \%, 94.3 \%$ and $94.0 \%$ for the 12 month periods ended December 31, 2016, 2015 and 2014, respectively; fixed annuity retention was $94.6 \%, 94.8 \%$ and $94.5 \%$ for the respective periods.

Variable annuity accumulated balances of $\$ 1.9$ billion at December 31, 2016 increased $6.8 \%$ compared to December 31, 2015, reflecting a positive impact from financial market performance over the 12 months partially offset by net balances transferred from the variable account option to the guaranteed interest rate fixed account option. Compared to 2015, Retirement segment contract charges earned decreased $2.0 \%$, or $\$ 0.5$ million. Variable annuity accumulated balances of $\$ 1.8$ billion at December 31, 2015 decreased $0.7 \%$ compared to December 31, 2014, reflecting minimal impact from financial market performance over the 12 months and net balances transferred from the variable account option to the guaranteed interest rate fixed account option partially offset by net positive cash flows. Retirement segment contract charges earned decreased $0.8 \%$, or $\$ 0.2$ million, compared to 2014.

Life segment premiums and contract deposits* for 2016 increased $5.2 \%$, or $\$ 5.3$ million, compared to the prior year, including the favorable impact of new ordinary life business growth. Life segment premiums and contract deposits for 2015 were equal to the prior year, including the favorable impact of new ordinary life business growth offset by a modest decline in group life premiums. The ordinary life insurance in force lapse ratio was $4.3 \%, 4.1 \%$ and $4.0 \%$ for the 12 months ended December 31, 2016, 2015 and 2014, respectively.

Sales*
For 2016, Property and Casualty new annualized sales premiums increased 5.5\% compared to 2015 , as $5.7 \%$, or $\$ 4.8$ million, growth in new automobile sales was accompanied by growth in homeowners sales of $4.7 \%$, or $\$ 0.8$ million, compared to the prior year.

While the 2016 annuity new business levels were lower than in the prior year period, the Company's Retirement segment new business levels continued to benefit from agent training and marketing programs, which focus on retirement planning, and build on the positive results produced in recent years. Annuity sales by Horace Mann's agency force decreased 2.1\% compared to 2015, primarily due to the impact in 2015 of non-recurring, non $401(\mathrm{k})$ rollover deposits from the Company's employee retirement savings plans. Sales from the independent agent distribution channel, which represent approximately 9.2\% of total annuity sales in 2016 and are largely single premium and rollover annuity deposits, decreased approximately $17.6 \%$ compared to a year earlier. As a result, total Horace Mann annuity sales from the combined distribution channels decreased $3.7 \%$, or \$13.8, compared to 2015.

Overall, the Company's new recurring deposit business (measured on an annualized basis at the time of sale, compared to the reporting of new contract deposits which are recorded when cash is received) decreased 6.3\% compared to 2015, and single premium and rollover deposits decreased $3.3 \%$ compared to the prior year. In February 2014, the Company expanded its annuity product portfolio by introducing a fixed indexed annuity contract. This new product continues to be well received by the Company's customers and represented approximately one-third of total annuity sales for both 2016 and 2015. Previously, the Company offered indexed annuity products underwritten by third-party vendors.

The Company's introduction of new educator-focused portfolios of term and whole life products in recent years, including a single premium whole life product, as well as the October 2015 introduction of the Company's IUL product have contributed to an increase in sales of proprietary life products. For 2016, sales of Horace Mann's proprietary life insurance products totaled $\$ 15.6$ million, representing an increase of $43.1 \%$, or $\$ 4.7$ million, compared to the prior year, including an increase of $\$ 3.8$ million for single premium sales.

## Distribution

At December 31, 2016, there was a combined total of 666 Exclusive Agencies and Employee Agents, compared to 735 at December 31, 2015 and 755 at December 31, 2014. The Company continues to expect higher quality standards for agents and agencies to focus on improving both customer experiences and agent productivity in their respective territories. Growth in new automobile sales and life sales reflects improvement in average agency productivity. The dedicated sales force is supported by the Company's Customer Contact Center which provides a means for educators to begin their experience directly with the Company, if that is their preference. The Customer Contact Center is also able to assist educators in territories which are not currently served by an Exclusive Agency.

As mentioned above, the Company also utilizes a nationwide network of Independent Agents who comprise an additional distribution channel for the Company's 403(b) tax-qualified annuity products. The Independent Agent distribution channel included 272 authorized agents at December 31, 2016. During 2016, this channel generated $\$ 32.8$ million in annualized new annuity sales for the Company compared to $\$ 39.8$ million for 2015 and $\$ 34.4$ million for 2014, with the new business primarily comprised of single and rollover deposit business over the three year period.

## Net Investment Income

For 2016, pretax net investment income of $\$ 361.2$ million increased $8.6 \%$, or $\$ 28.6$ million, ( $7.9 \%$, or $\$ 17.7$ million, after tax) compared to 2015 . While asset balances in the Retirement segment continue to grow, overall investment results reflected an increase in investment prepayment activity and favorable returns on alternative investments, partially offset by the impact of the current low interest rate environment. For 2015, pretax net investment income of $\$ 332.6$ million increased $0.8 \%$, or $\$ 2.8$ million, ( $0.7 \%$, or $\$ 1.5$ million, after tax) compared to 2014. Average invested assets increased $5.6 \%$ over the 12 months ended December 31, 2016. The average pretax yield on the total investment portfolio was $5.21 \%$ ( $3.47 \%$ after tax) for 2016, compared to the pretax yield of $5.06 \%$ ( $3.39 \%$ after tax) and $5.32 \%$ ( $3.57 \%$ after tax) for 2015 and 2014, respectively. During 2016, management continued to identify and purchase investments, including a modest level of alternative investments, with attractive risk-adjusted yields without venturing into asset classes or individual securities that would be inconsistent with the Company's overall conservative investment guidelines.

## Net Realized Investment Gains and Losses (Pretax)

For 2016, net realized investment gains were $\$ 4.1$ million compared to net realized investment gains of $\$ 12.7$ million and $\$ 10.9$ million in 2015 and 2014, respectively. The net gains and losses in all periods were realized primarily from ongoing investment portfolio management activity and, when determined, the recognition of other-than-temporary impairment.

For the year ended December 31, 2016, the Company's net realized investment gains of $\$ 4.1$ million included $\$ 23.3$ million of gross gains realized on security sales and calls partially offset by $\$ 8.1$ million of realized losses primarily on securities that were disposed of during 2016 and $\$ 11.1$ million of other-than-temporary impairment charges recorded largely on Puerto Rico and energy sector fixed maturity securities, as well as some equity securities.

For the year ended December 31, 2015, the Company's net realized investment gains of $\$ 12.7$ million included $\$ 39.6$ million of gross gains realized on security sales and calls partially offset by $\$ 7.4$ million of realized losses on securities that were disposed of during 2015 and $\$ 19.5$ million of other-than-temporary impairment charges recorded largely on energy sector and Puerto Rico fixed maturity securities and one unrelated equity security.

For the year ended December 31, 2014, the Company's net realized investment gains of $\$ 10.9$ million included $\$ 26.7$ million of gross gains realized on security sales and calls partially offset by $\$ 9.4$ million of realized losses on securities that were disposed of during 2014, primarily mortgage-backed and municipal securities, and the $\$ 6.4$ million other-than-temporary charge recorded largely on energy sector securities in the fourth quarter.

The Company, from time to time, sells securities subsequent to the balance sheet date that were considered temporarily impaired at the balance sheet date. Such sales are due to issuer specific events occurring subsequent to the balance sheet date that result in a change in the Company's intent to sell an invested asset.

## Fixed Maturity Securities and Equity Securities Portfolios

The table below presents the Company's fixed maturity securities and equity securities portfolios by major asset class, including the ten largest sectors of the Company's corporate bond holdings (based on fair value). Compared to December 31, 2015, credit spreads were tighter across most asset classes at December 31, 2016 and U.S. Treasury rates increased, which resulted in net unrealized investment gains to be flat in the Company's fixed maturity securities holdings.

|  |  |  | December 31, 2016 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |

(1) At December 31, 2016, the fair value amount included $\$ 13.9$ million which were non-investment grade.
(2) The All Other Corporates category contains 19 additional industry classifications. Gaming, broadcast and media, food and beverage, consumer products and retail represented $\$ 428.9$ million of fair value at December 31, 2016, with the remaining 13 classifications each representing less than $\$ 34.0$ million.
(3) At December 31, 2016, 100\% were investment grade, with an overall credit rating of AA, and the positions were well diversified by property type, geography and sponsor.
(4) Holdings are geographically diversified, approximately $40 \%$ are tax-exempt and $78 \%$ are revenue bonds tied to essential services, such as mass transit, water and sewer. The overall credit quality of the municipal bond portfolio was AA- at December 31, 2016.
(5) Based on fair value, $96 \%$ of the collateralized debt obligation securities were rated investment grade by Standard and Poor's Corporation ("S\&P") and/or Moody's Investors Service, Inc. ("Moody's") at December 31, 2016.

At December 31, 2016, the Company's diversified fixed maturity securities portfolio consisted of 2,465 investment positions, issued by 1,929 entities, and totaled approximately $\$ 7.5$ billion in fair value. This portfolio was $95.9 \%$ investment grade, based on fair value, with an average quality rating of $A$. The Company's investment guidelines generally limit single corporate issuer concentrations to $0.5 \%$ of invested assets for "AA" or "AAA" rated securities, $0.35 \%$ of invested assets for "A" or "BBB" rated securities, and $0.2 \%$ of invested assets for non-investment grade securities.

The following table presents the composition and value of the Company's fixed maturity securities and equity securities portfolios by rating category. At December 31, 2016, 94.7\% of these combined portfolios were investment grade, based on fair value, with an overall average quality rating of $A$. The Company has classified the entire fixed maturity securities and equity securities portfolios as available for sale, which are carried at fair value.

## Rating of Fixed Maturity Securities and Equity Securities (1) <br> (Dollars in millions)

|  | December 31, 2016 |  |  |
| :---: | :---: | :---: | :---: |
|  | Percent of Total Fair Value | Fair Value | Amortized Cost or Cost |
| Fixed maturity securities |  |  |  |
| AAA | 8.3\% | \$ 620.8 | \$ 611.6 |
| AA (2) | 35.5 | 2,648.4 | 2,533.5 |
| A. | 23.6 | 1,759.6 | 1,663.9 |
| BBB | 28.4 | 2,118.7 | 2,038.5 |
| BB. | 2.4 | 176.4 | 174.7 |
| B | 1.0 | 76.3 | 79.5 |
| CCC or lower | 0.2 | 10.9 | 10.6 |
| Not rated (3) | 0.6 | 45.6 | 39.8 |
| Total fixed maturity securities.. | 100.0\% | \$7,456.7 | \$7,152.1 |
| Equity securities |  |  |  |
| AAA | - | - | - |
| AA. | - | - | - |
| A. | - | - | - |
| BBB | 35.3\% | \$ 50.0 | \$ 52.3 |
| BB. | - | - | - |
| B ... | - | - | - |
| CCC or lower | - | - | - |
| Not rated. | 64.7 | 91.6 | 81.7 |
| Total equity securities | 100.0\% | \$ 141.6 | \$ 134.0 |
| Total |  | \$7,598.3 | \$7,286.1 |

(1) Ratings are as assigned primarily by S\&P when available, with remaining ratings as assigned on an equivalent basis by Moody's. Ratings for publicly traded securities are determined when the securities are acquired and are updated monthly to reflect any changes in ratings.
(2) At December 31, 2016, the AA rated fair value amount included $\$ 467.1$ million of U.S. Government and federally sponsored agency securities and $\$ 522.8$ million of mortgage- and asset-backed securities issued by U.S. Government and federally sponsored agencies.
(3) This category primarily represents private placement and municipal securities not rated by either S\&P or Moody's.

At December 31, 2016, the fixed maturity securities and equity securities portfolios had a combined $\$ 76.0$ million pretax of gross unrealized investment losses on $\$ 2,302.4$ million fair value related to 731 positions. Of the investment positions (fixed maturity securities and equity securities) with gross unrealized investment losses, 12 were trading below $80 \%$ of the carrying value at December 31, 2016 and were not considered other-than-temporarily impaired. These positions had fair value of $\$ 15.2$ million, representing $0.2 \%$ of the Company's total investment portfolio at fair value, and had a gross unrealized investment loss of $\$ 6.6$ million.

The Company views the unrealized investment losses of all of the securities at December 31, 2016 as temporary. Future changes in circumstances related to these and other securities could require subsequent recognition of other-than-temporary impairment.

Benefits, Claims and Settlement Expenses

|  | Year Ended December 31, |  | Change From Prior Year |  | Year Ended December 31, |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | Percent | Amount | 2014 |
| Property and Casualty | \$464.1 | \$420.3 | 10.4\% | \$43.8 | \$399.5 |
| Retirement (annuity) ...................................... | 3.9 | 3.2 | 21.9\% | 0.7 | 2.2 |
| Life ............................................................. | 73.1 | 72.9 | 0.3\% | 0.2 | 66.7 |
| Total | \$541.1 | \$496.4 | 9.0\% | \$44.7 | \$468.4 |
| Property and Casualty catastrophe losses, included above (1) | \$ 60.0 | \$ 44.4 | 35.1\% | \$15.6 | \$ 37.5 |

(1) See footnote (1) to the table below.

Property and Casualty Claims and Claim Expenses ("losses")

|  | Year Ended December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| Incurred claims and claim expenses: |  |  |  |
| Claims occurring in the current year ................................. | \$471.1 | \$432.8 | \$416.5 |
| Decrease in estimated reserves for claims occurring in prior years (2) | (7.0) | (12.5) | (17.0) |
| Total claims and claim expenses incurred. | \$464.1 | \$420.3 | \$399.5 |
| Property and Casualty loss ratio: |  |  |  |
| Total............................................................................. | 74.8\% | 70.5\% | 68.7\% |
| Effect of catastrophe costs, included above (1)................... | 9.7\% | 7.4\% | 6.5\% |
| Effect of prior years' reserve development, included above (2). | -1.1\% | -2.1\% | -2.9\% |

(1) Property and Casualty catastrophe losses were incurred as follows:

(2) Shows the amounts by which the Company decreased its reserves in each of the periods indicated for claims occurring in previous years to reflect subsequent information on such claims and changes in their projected final settlement costs indicating that the actual and remaining projected losses for prior years are below the level anticipated in the previous December 31 loss reserve estimate.

Three months ended


| 2015 | 2014 |
| :---: | :---: |
| \$ (4.0) | \$ (4.0) |
| (3.2) | (3.0) |
| (2.8) | (4.4) |
| (2.5) | (5.6) |
| \$(12.5) | \$(17.0) |

For 2016, the Company's benefits, claims and settlement expenses increased $\$ 44.7$ million, or $9.0 \%$, compared to the prior year primarily reflecting increases in Property and Casualty current accident year loss severity and frequency -- specifically, in automobile -- and catastrophe costs, partially offset by a reduction in homeowners current accident year noncatastrophe losses and a $\$ 4.0$ million decrease in life mortality costs. In 2015, the Company's benefits, claims and settlement expenses increased $\$ 28.0$ million, or $6.0 \%$, compared to the prior year primarily reflecting increases in Property and Casualty current accident year loss severity -- specifically, in automobile -- and catastrophe costs, as well as a $\$ 4.5$ million increase in life mortality costs.

For 2016, 2015 and 2014, the favorable development of prior years' Property and Casualty reserves of $\$ 7.0$ million, $\$ 12.5$ million and $\$ 17.0$ million, respectively, for each year was the result of actual and remaining projected losses for prior years being below the level anticipated in the immediately preceding December 31 loss reserve estimate. In 2016, the favorable development was predominantly the result of favorable severity trends in property for accident years 2014 and prior. For 2015, the favorable development was primarily for accident years 2013 and prior and predominantly the result of favorable severity trends in homeowners loss emergence, accompanied by favorable severity and frequency trends in automobile loss emergence. For 2014, the favorable development was primarily for accident years 2011 and prior and predominantly the result of favorable frequency and severity trends in automobile loss emergence.

For 2016, the automobile loss ratio of $80.2 \%$ increased by 4.8 percentage points compared to the prior year, including (1) the impact of catastrophe costs that resulted in a 1.7 percentage point increase, (2) the impacts of higher current accident year non-catastrophe losses for 2016 primarily driven by loss severity and accompanied by an increase in loss frequencies and (3) development of prior years' reserves that had a 0.8 percentage point less favorable impact in the current year, partially offset by the favorable impact of rate actions taken in recent years. The homeowners loss ratio of $63.9 \%$ for 2016 increased 2.4 percentage points compared to a year earlier, including favorable current accident year non-catastrophe experience offset by development of prior years' reserves that had a 0.8 percentage point less favorable impact in the current year and high catastrophe costs. Catastrophe costs represented 24.2 percentage points of the homeowners loss ratio for 2016 compared to 20.4 percentage points for 2015.

Interest Credited to Policyholders

|  | Year Ended December 31, |  |
| :---: | :---: | :---: |
|  | 2016 | 2015 |
| Retirement (annuity). | \$147.3 | \$138.7 |
| Life | 44.7 | 44.1 |
| Total. | \$192.0 | \$182.8 |


| Change From <br> Prior Year |  |
| :--- | ---: |
| Percent | Amount |
| $6.2 \%$ | $\$ 8.6$ |
| $1.4 \%$ | $\underline{0.6}$ |
| $5.0 \%$ | $\underline{\$ 9.2}$ |


| Year Ended <br> December 31, |
| :---: |
| $\underline{2014}$ |
| $\$ 132.5$ |
| $\underline{\$ 176.6}$ |
| $\underline{ }$ |

Compared to 2015, the 2016 increase in Retirement segment interest credited reflected a $7.6 \%$ increase in average accumulated fixed deposits, at an average crediting rate of 3.55\%. Compared to a year earlier, the 2015 increase in Retirement segment interest credited reflected a $7.7 \%$ increase in average accumulated fixed deposits, partially offset by a 6 basis point decline in the average annual interest rate credited to $3.56 \%$. Life insurance interest credited increased slightly in both 2016 and 2015 as a result of the growth in reserves for life insurance products with account values.

The net interest spread on fixed annuity assets under management measures the difference between the rate of income earned on the underlying invested assets and the rate of interest which policyholders are credited on their account values. The net interest spreads for the years ended December 31, 2016, 2015 and 2014, were 193 basis points, 184 basis points and 204 basis points, respectively. The interest spread increased due to an increase in investment prepayment activity as well as favorable returns within the Company's alternative investment portfolio and a continuation of disciplined crediting rate management, partially offset by pressures of the low interest rate environment.

As of December 31, 2016, fixed annuity account values totaled $\$ 4.5$ billion, including $\$ 4.3$ billion of deferred annuities. As shown in the table below, for approximately $87 \%$, or $\$ 3.7$ billion of the deferred annuity account values, the credited interest rate was equal to the minimum guaranteed rate. Due to limitations on the Company's ability to further lower interest crediting rates, coupled with the expectation for continued low reinvestment interest rates, management anticipates fixed annuity spread compression in future periods. The majority of assets backing the net interest spread on fixed annuity business is invested in fixed maturity securities.

The Company actively manages its interest rate risk exposure, considering a variety of factors, including earned interest rates, credited interest rates and the relationship between the expected durations of assets and liabilities. Management estimates that over the next 12 months approximately $\$ 530$ million of the Retirement segment and Life segment combined investment portfolio and related investable cash flows will be reinvested at current market rates. As interest rates remain at low levels, borrowers may prepay or redeem the securities with greater frequency in order to borrow at lower market rates, which could increase investable cash flows and exacerbate the reinvestment risk.

As a general guideline, for a 100 basis point decline in the average reinvestment rate and based on the Company's existing policies and investment portfolio, the impact from investing in that lower interest rate environment could further reduce Retirement segment net investment income by approximately $\$ 1.5$ million in year one and $\$ 5.3$ million in year two, further reducing the net interest spread by approximately 3 basis points and 11 basis points in the respective periods, compared to the current period annualized net interest spread. The Company could also consider potential changes in rates credited to policyholders, tempered by any restrictions on the ability to adjust policyholder rates due to minimum guaranteed crediting rates.

The expectation for future net interest spreads is also an important component in the amortization of deferred policy acquisition costs. In terms of the sensitivity of this amortization to the net interest spread, based on deferred policy acquisition costs as of December 31, 2016 and assuming all other assumptions are met, a 10 basis point deviation in the current year targeted interest rate spread assumption would impact amortization between $\$ 0.25$ million and $\$ 0.35$ million. This result may change depending on the magnitude and direction of any actual deviations but represents a range of reasonably likely experience for the noted assumption.

Additional information regarding the interest crediting rates and balances equal to the minimum guaranteed rate for deferred annuity account values is shown below.

|  | December 31, 2016 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total Deferred Annuities |  | Deferred Annuities at Minimum Guaranteed Rate |  |  |
|  | Percent of Total | Accumulated <br> Value ("AV") | Percent of Total Deferred Annuities AV | Percent of Total | Accumulated Value |
| Minimum guaranteed interest rates: $\quad$ - |  |  |  |  |  |
| Less than $2 \%$. | 23.5\% | \$1,003.6 | 48.2\% | 13.1\% | \$ 483.8 |
| Equal to 2\% but less than 3\%. | 7.2 | 308.6 | 82.8\% | 6.9 | 255.4 |
| Equal to 3\% but less than 4\%. | 14.2 | 606.7 | 99.8\% | 16.4 | 605.1 |
| Equal to 4\% but less than 5\%. | 53.7 | 2,290.2 | 100.0\% | 62.1 | 2,290.2 |
| 5\% or higher ......................... | 1.4 | 55.5 | 100.0\% | 1.5 | 55.5 |
| Total.. | 100.0 $\%$ | \$4,264.6 | 86.5\% | 100.0 $\%$ | \$3,690.0 |

The Company will continue to be disciplined in executing strategies to mitigate the negative impact on profitability of a sustained low interest rate environment. However, the success of these strategies may be affected by the factors discussed in "Item 1A. Risk Factors" in this Annual Report on Form 10-K and other factors discussed herein.

## Policy Acquisition Expenses Amortized

Amortized policy acquisition expenses were $\$ 96.7$ million for 2016 compared to $\$ 98.9$ million and $\$ 93.8$ million for the years ended December 31, 2015 and 2014, respectively. The decrease in 2016 was largely attributable to the Retirement segment including the impact of the unlocking of deferred policy acquisition costs ("unlocking") offset by the growth in premiums and related commissions for the Property and Casualty segment. At December 31, 2016, Retirement segment unlocking resulted in a $\$ 0.3$ million decrease in amortization compared to a $\$ 3.4$ million increase in amortization a year earlier. For the prior period, the impact was largely due to financial market performance. For the Life segment, unlocking resulted in an immaterial change in amortization at December 31, 2016, 2015 and 2014.

## Operating Expenses

In 2016, operating expenses of $\$ 173.1$ million increased $\$ 15.7$ million, or $10.0 \%$, compared to 2015. In 2015, expenses reflected a reduction in incentive compensation expense with the majority of the cost reduction benefiting the Property and Casualty segment. The 2016 expense level was consistent with management's expectations as the Company makes expenditures related to customer service and infrastructure improvements, which are intended to enhance the overall customer experience and support favorable policy retention and business cross-sale ratios. In 2015 , operating expenses of $\$ 157.4$ million decreased $\$ 4.7$ million, or $2.9 \%$, compared to 2014.

The Property and Casualty expense ratio of $26.7 \%$ for 2016 increased 0.2 percentage points compared to the prior year expense ratio of $26.5 \%$, or slightly below management's expectations for 2016. The 2015 incentive compensation expense reduction reduced the expense ratio for 2015 by 0.4 percentage points. The Property and Casualty expense ratio was $27.4 \%$ for 2014.

In June 2015, the Company repaid its outstanding $\$ 75.0$ million $6.05 \%$ Senior Notes upon maturity initially utilizing funds borrowed under its existing Bank Credit Facility. In November 2015, the Company issued $\$ 250.0$ million face amount of $4.50 \%$ Senior Notes due 2025. The Company used the net proceeds from this issuance to redeem all its outstanding $6.85 \%$ Senior Notes due April 15, 2016 and to repay in full the $\$ 113.0$ million of outstanding borrowings under its Bank Credit Facility. The combined impact of these transactions reduced interest expense in 2016 by $\$ 1.3$ million compared to 2015 and $\$ 1.1$ million in 2015, compared to 2014.

The redemption of the $6.85 \%$ Senior Notes in 2015 resulted in a pretax charge of $\$ 2.3$ million, largely due to the make-whole premium.

## Income Tax Expense

The effective income tax rate on the Company's pretax income, including net realized investment gains and losses, was $26.6 \%, 27.8 \%$ and $28.7 \%$ for the years ended December 31, 2016, 2015 and 2014, respectively. Income from investments in tax-advantaged securities reduced the effective income tax rates $8.5,7.9$ and 7.1 percentage points for 2016, 2015 and 2014, respectively. In 2016, income tax expense was reduced by approximately $\$ 0.9$ million related to the filing of the prior calendar year tax return; this item primarily benefited the Retirement segment.

The Company records liabilities for uncertain tax filing positions where it is more likely than not that the position will not be sustainable upon audit by taxing authorities. These liabilities are reevaluated routinely and are adjusted appropriately based on changes in facts or law. The Company has no unrecorded liabilities from uncertain tax filing positions.

At December 31, 2016, the Company's federal income tax returns for years prior to 2013 are no longer subject to examination by the IRS. Management does not anticipate any assessments for tax years that remain subject to examination to have a material effect on the Company's financial position or results of operations.

## Net Income

For 2016, the Company's net income of $\$ 83.8$ million decreased $\$ 9.7$ million compared to 2015. After tax net realized investment gains were $\$ 2.3$ million compared to $\$ 8.6$ million a year earlier. Additional detail is included in the "Executive Summary" at the beginning of this MD\&A.

For 2015, the Company's net income of $\$ 93.5$ million represented a decrease of $\$ 10.7$ million compared to 2014 reflecting improvement in current accident year non-catastrophe results for homeowners, pressure on automobile results primarily due to loss severity, a higher level of life mortality losses and a negative impact due to the unlocking of Retirement segment deferred policy acquisition costs. Net income in 2015 was also reduced by debt retirement costs.

For 2014, the Company's net income of $\$ 104.2$ million declined $\$ 6.7$ million compared to 2013, as improvements in Property and Casualty segment and Retirement segment results, as well as solid earnings in the Life segment, were offset by a decrease in net realized investment
gains. After tax net realized investment gains of $\$ 6.9$ million were $\$ 7.5$ million less than in 2013. For the Property and Casualty segment, net income of $\$ 46.9$ million increased $\$ 2.5$ million compared to 2013. The Property and Casualty combined ratio was $96.1 \%$ for 2014 , a 0.2 percentage point improvement compared to $96.3 \%$ for 2013.

Net income (loss) by segment and net income per share were as follows:

|  | Year Ended December 31, |  | Change From Prior Year |  | Year Ended December 31, |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | Percent | Amount | 2014 |
| Analysis of net income (loss) by segment: |  |  |  |  |  |
| Property and Casualty................................ | \$ 25.6 | \$ 40.0 | -36.0\% | \$(14.4) | \$ 46.9 |
| Retirement | 50.7 | 43.4 | 16.8\% | 7.3 | 45.3 |
| Life. | 16.6 | 15.0 | 10.7\% | 1.6 | 17.5 |
| Corporate and Other (1). | (9.1) | (4.9) | -85.7\% | (4.2) | (5.5) |
| Net income ........................................... | \$83.8 | \$93.5 | -10.4\% | \$ (9.7) | \$104.2 |
| Effect of catastrophe costs, after tax, included above | \$(39.1) | \$(28.9) | 35.3\% | \$ 10.2 | \$ (24.4) |
| Effect of net realized investment gains, after tax, included above | \$ 2.3 | \$8.6 | -73.3\% | \$ (6.3) | \$ 6.9 |
| Effect of debt retirement costs, after tax, included above. | \$ | \$ (1.5) | N.M. | \$ (1.5) | \$ |
| Diluted: |  |  |  |  |  |
| Net income per share................................. | \$2.02 | \$2.20 | -8.2\% | \$(0.18) | \$ 2.47 |
| Weighted average number of shares and equivalent shares (in millions) | 41.5 | 42.4 | -2.1\% | (0.9) | 42.2 |
| Property and Casualty combined ratio: |  |  |  |  |  |
| Total ........................................................ | 101.5\% | 97.0\% | N.M. | 4.5\% | 96.1\% |
| Effect of catastrophe costs, included above $\qquad$ | 9.7\% | 7.4\% | N.M. | 2.3\% | 6.5\% |
| Effect of prior years' reserve development, included above | -1.1\% | -2.1\% | N.M. | 1.0\% | -2.9\% |

N.M. - Not meaningful.
(1) The Corporate and Other segment includes interest expense on debt, realized investment gains and losses, corporate debt retirement costs, certain public company expenses and other corporate-level items. The Company does not allocate the impact of corporate-level transactions to the insurance segments, consistent with the basis for management's evaluation of the results of those segments.

As described in footnote (1) to the table above, the Corporate and Other segment reflects corporate-level transactions. Of those transactions, net realized investment gains and losses may vary notably between reporting periods and are often the driver of fluctuations in the level of this segment's net income or loss. For 2016, 2015 and 2014, net realized investment gains after tax were $\$ 2.3$ million, $\$ 8.6$ million and $\$ 6.9$ million, respectively. In addition, 2016 reflected a $\$ 1.3$ million pretax reduction in debt interest expense as a result of the refinancing transactions completed in 2015. The debt redemption in 2015 resulted in a pretax charge of $\$ 2.3$ million, partially offset by a $\$ 1.1$ million reduction in debt interest expense compared to 2014.

Return on average shareholders' equity based on net income was $6.2 \%, 7.1 \%$ and $8.4 \%$ for the years ended December 31, 2016, 2015 and 2014, respectively.

At the time of this Annual Report on Form 10-K, management estimates that 2017 full year net income before net realized investment gains and losses will be within a range of $\$ 1.95$ to $\$ 2.15$ per diluted share. This projection incorporates the Company's results for 2016 and anticipates continued improvement in the Company's underlying automobile combined ratio, modeled catastrophe losses as well as modestly lower earnings in the Retirement and Life segments reflecting lower net interest spreads, and approximately $\$ 0.10$ cents of continued strategic investing in our Retirement business that we expect will accelerate growth momentum related to the Company's continued modernization of technology and infrastructure. As a result of the continued low interest rate environment, management expects the Company's overall portfolio yield to decline by approximately 10 basis points over the course of 2017, impacting each of the three business segments. Within the Property and Casualty segment, both approved and planned premium rate increases, as well as underwriting initiatives, are expected to improve profitability margins for the automobile line compared to 2016. The property line is anticipated to produce solid profitability, although at a reduced level that assumes non-catastrophe weather related losses return to a more normalized level than the comparison to 2016; and, catastrophe losses are estimated to be lower than the 2016 level. Net income for the Retirement segment will continue to be impacted by the prolonged interest rate environment and the 2016 net interest spread of 193 basis points is anticipated to grade down to the low 180s through the course of 2017. Assuming mortality costs consistent with the Company's actuarial models, Life segment net income is expected to decrease compared to 2016, due to net investment income pressure and the increase in expenses. In addition to the segment-specific factors, the Company's initiatives for customer service and infrastructure improvements, as well as enhanced training and education for the Company's agency force, all intended to enhance the overall customer experience and support further improvement in policy retention and business cross-sale ratios, will continue and result in a moderate increase in expense levels compared to 2016.

As described in "Critical Accounting Policies", certain of the Company's significant accounting measurements require the use of estimates and assumptions. As additional information becomes available, adjustments may be required. Those adjustments are charged or credited to income for the period in which the adjustments are made and may impact actual results compared to management's estimate above. Additionally, see "Forward-looking Information" and "Item 1A. Risk Factors" in this Annual Report on Form 10-K concerning other important factors that could impact actual results. Management believes that a projection of net income including net realized investment gains and losses* is not appropriate on a forwardlooking basis because it is not possible to provide a valid forecast of net realized investment gains and losses, which can vary substantially from one period to another and may have a significant impact on net income.

## Liquidity and Financial Resources

## Off-Balance Sheet Arrangements

At December 31, 2016, 2015 and 2014, the Company did not have any relationships with unconsolidated entities or financial partnerships, such as entities often referred to as structured finance or special purpose entities, which would have been established for the purpose of facilitating off-balance sheet arrangements or for other contractually narrow or limited purposes. As such, the Company is not exposed to any financing, liquidity, market or credit risk that could arise if the Company had engaged in such relationships.

Information regarding the Company's investment portfolio, which is comprised primarily of investment grade, fixed maturity securities, is located in "Results of Operations for the Three Years Ended December 31, 2016 -- Net Realized Investment Gains and Losses", "Item 1. Business -- Investments" and in the "Notes to Consolidated Financial Statements -- Note 2 -Investments" listed on page F-1 of this report.

## Cash Flow

The short-term liquidity requirements of the Company, within a 12 month operating cycle, are for the timely payment of claims and benefits to policyholders, operating expenses, interest payments and federal income taxes. Cash flow generated from operations has been, and is expected to be, adequate to meet the Company's operating cash needs in the next 12 months. Cash flow in excess of operational needs has been used to fund business growth, pay dividends to shareholders and repurchase shares of HMEC's common stock. Long-term liquidity requirements, beyond one year, are principally for the payment of future insurance and annuity policy claims and benefits, as well as retirement of long-term debt.

## Operating Activities

As a holding company, HMEC conducts its principal operations in the personal lines segment of the property and casualty and life insurance industries through its subsidiaries. HMEC's insurance subsidiaries generate cash flow from premium and investment income, generally well in excess of their immediate needs for policy obligations, operating expenses and other cash requirements. Cash provided by operating activities primarily reflects net cash generated by the insurance subsidiaries. For 2016, net cash provided by operating activities increased slightly compared to 2015, largely due to a decrease in claims and policyholder benefits paid in 2016, partially offset by a decrease in premiums collected and an increase in investment income collected in 2016.

Payment of principal and interest on debt, dividends to shareholders and parent company operating expenses is largely dependent on the ability of the insurance subsidiaries to pay cash dividends or make other cash payments to HMEC, including tax payments pursuant to tax sharing agreements. Payments for share repurchase programs also have this dependency. If necessary, HMEC also has other potential sources of liquidity that could provide for additional funding to meet corporate obligations or pay shareholder dividends, which include a revolving line of credit, as well as issuances of various securities. The insurance subsidiaries are subject to various regulatory restrictions which limit the amount of annual dividends or other distributions, including loans or cash advances, available to HMEC without prior approval of the insurance regulatory authorities. The aggregate amount of dividends that may be paid in 2017 from all of HMEC's insurance subsidiaries without prior regulatory approval is approximately $\$ 91$ million. Although regulatory restrictions exist, dividend availability from subsidiaries has been, and is expected to be, adequate for HMEC's capital needs. Additional information is contained in "Notes to Consolidated Financial Statements -- Note 10 -- Statutory Information and Restrictions" listed on page F-1 of this report.

HMEC's insurance subsidiaries maintain significant investments in fixed maturity securities to meet future contractual obligations to policyholders. In conjunction with its management of liquidity and other asset/liability management objectives, the Company, from time to time, will sell fixed maturity securities prior to maturity, as well as equity securities, and reinvest the proceeds in other investments with different interest rates, maturities or credit characteristics. Accordingly, the Company has classified the entire fixed maturity securities and equity securities portfolios as "available for sale".

## Financing Activities

Financing activities include primarily payment of dividends, the receipt and withdrawal of funds by annuity contractholders, issuances and repurchases of HMEC's common stock, fluctuations in bank overdraft balances, and borrowings, repayments and repurchases related to its debt facilities.

In 2013, one of the Company's subsidiaries became a member of the Federal Home Loan Bank of Chicago ("FHLB"). That subsidiary received $\$ 250.0$ million under a funding agreement in December 2013, received an additional $\$ 250.0$ million in September 2014, and received an additional $\$ 75.0$ million in December 2015 with receipt of those funds reflected in Annuity Contracts: Variable, Fixed and FHLB Funding Agreements, Deposits as a component of the Company's financing activities for the respective years. Exclusive of these transactions, the Company's annuity business produced net positive cash flows in 2016, 2015 and 2014. For the year ended December 31, 2016, receipts from annuity contracts, also excluding the FHLB transactions, decreased $\$ 27.8$ million, or $5.1 \%$, compared to 2015 , as described in "Results of Operations for the Three Years Ended December 31, 2016 -- Insurance Premiums and Contract Charges". In total, annuity contract benefits, withdrawals and net transfers to variable annuity accumulated cash values decreased $\$ 4.8$ million, or $1.4 \%$, compared to the prior year.

The Company's Senior Notes due 2015 matured on June 15, 2015 and the Company repaid the $\$ 75.0$ million initially utilizing funds borrowed under its existing Bank Credit Facility. Repayment of the Senior Notes due 2015 resulted in no debt retirement costs impacting the Company's net income for 2015. In November 2015, the Company issued $\$ 250.0$ million aggregate principal amount of $4.50 \%$ Senior Notes due 2025 and used the net proceeds to redeem all of its outstanding 6.85\% Senior Notes due April 15, 2016 and fully repay the $\$ 113.0$ million of outstanding borrowings under the Company's Bank Credit Facility. Repayment of the Senior Notes due 2016 resulted in $\$ 2.3$ million pretax of debt retirement costs impacting the Company's net income for 2015, nearly all of which required cash. The remaining net proceeds from the issuance of the Senior Notes due 2025 were available for general corporate purposes.

The following table shows the Company's contractual obligations, as well as the projected timing of payments.

|  | Payments Due By Period as of December 31, 2016 |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |

(1) This information represents estimates of both the amounts to be paid to policyholders and the timing of such payments and is net of anticipated reinsurance recoveries.
(2) Includes $\$ 575.0$ million obligation to FHLB plus interest.
(3) Includes principal and interest.
(4) The Company has entered into various operating lease agreements, primarily for real estate (claims and marketing offices in a few states, as well as portions of the home office complex) and also for computer equipment and copy machines.

## Estimated Future Policy Benefit and Claim Payments - Retirement and Life Segments

This discussion addresses the following contractual obligations disclosed above: fixed annuities and fixed option of variable annuities, supplemental contracts and life insurance policies. Payment amounts reflect the Company's estimate of undiscounted cash flows related to these obligations and commitments. Balance sheet amounts were determined in accordance with GAAP, including the effect of discounting, and consequently in many cases differ significantly from the summation of undiscounted cash flows.

For the majority of the Company's Retirement and Life insurance operations, the estimated contractual obligations for future policyholder benefits as presented in the table above were derived from the annual cash flow testing analysis used to develop actuarial opinions of statutory reserve adequacy for state regulatory purposes. These cash flows are materially representative of the cash flows under GAAP. Actual amounts may vary, potentially in a significant manner, from the amounts indicated due to deviations between assumptions and actual results and the addition of new business in future periods.

Amounts presented in the table above represent the estimated cash payments to be made to policyholders undiscounted by interest and including assumptions related to the receipt of future premiums and deposits, future interest credited, full and partial withdrawals, policy lapses, surrender charges, annuitization, mortality, and other contingent events as appropriate to the respective product types. Additionally, coverage levels are assumed to remain unchanged from those provided under contracts in force at December 31, 2016. Separate Account (variable annuity) payments are not reflected due to the matched nature of these obligations and the fact that the contract owners maintain the investment risk on such deposits.

See "Notes to Consolidated Financial Statements -- Note 1 -- Summary of Significant Accounting Policies -- Investment Contract and Life Policy Reserves" listed on page F-1 of this report for a description of the Company's method for establishing life and annuity reserves in accordance with GAAP.

## Estimated Claims and Claim Related Payments - Property and Casualty Segment

This discussion addresses claims and claim adjustment expenses as disclosed above. The amounts reported in the table are presented on a nominal basis, have not been discounted and represent the estimated timing of future payments for both reported and unreported claims incurred and related claim adjustment expenses. Both the total liability and the estimated payments are based on actuarial projection techniques, at a given accounting date. These estimates include assumptions of the ultimate settlement and administrative costs based on the Company's assessment of facts and circumstances then known, review of historical settlement patterns, estimates of trends in claims severity, frequency and other factors. Variables in the reserve estimation process can be affected by both internal and external events, such as changes in claims handling procedures, economic inflation, legal trends and legislative changes. Many of these items are not directly quantifiable, particularly on a prospective basis. Additionally, there may be significant reporting lags between the occurrence of a claim and the time it is actually reported to the Company. The future cash flows related to the items contained in the table above required estimation of both amount (including severity considerations) and timing. Amount and timing are frequently estimated separately. An estimation of both amount and timing of future cash flows related to claims and claim related payments is generally reliable only in the aggregate with some unavoidable estimation uncertainty.

## Capital Resources

The Company has determined the amount of capital which is needed to adequately fund and support business growth, primarily based on risk-based capital formulas including those developed by the NAIC. Historically, the Company's insurance subsidiaries have generated capital in excess of such needed capital. These excess amounts have been paid to HMEC through dividends. HMEC has then utilized these dividends and its access to the capital markets to service and retire long-term debt, pay dividends to its shareholders, fund growth initiatives, repurchase shares of its common stock and for other corporate purposes. Management anticipates that the Company's sources of capital will continue to generate sufficient capital to meet the needs for business growth, debt interest payments, shareholder dividends and its share repurchase program. Additional information is contained in "Notes to Consolidated Financial Statements -- Note 10 -- Statutory Information and Restrictions" listed on page F-1 of this report.

The total capital of the Company was $\$ 1,541.2$ million at December 31, 2016, including $\$ 247.2$ million of long-term debt and no short-term debt outstanding. Total debt represented 18.1\% of total capital excluding net unrealized investment gains and losses (16.0\% including net unrealized investment gains and losses) at December 31, 2016, which was below the Company's long-term target of $25 \%$.

Shareholders' equity was $\$ 1,294.0$ million at December 31, 2016, including a net unrealized investment gain in the Company's investment portfolio of $\$ 175.7$ million after taxes and the related impact of deferred policy acquisition costs associated with investment contracts and life insurance products with account values. The market value of the Company's
common stock and the market value per share were $\$ 1,722.2$ million and $\$ 42.80$, respectively, at December 31, 2016. Book value per share was $\$ 32.15$ at December 31, 2016 ( $\$ 27.79$ excluding investment fair value adjustments).

Additional information regarding the net unrealized gain in the Company's investment portfolio at December 31, 2016 is included in "Results of Operations for the Three Years Ended December 31, 2016 -- Net Realized Investment Gains and Losses".

Total shareholder dividends were $\$ 44.3$ million for the year ended December 31, 2016. In March, May, September and December 2016, the Board of Directors announced regular quarterly dividends of $\$ 0.265$ per share. Compared to the full year per share dividends paid in 2015 of $\$ 1.00$, the total 2016 dividends paid per share of $\$ 1.06$ represented an increase of 6.0\%.

In December 2011, HMEC's Board of Directors (the "Board") authorized a share repurchase program allowing repurchases of up to \$50,000 (the "2011 Plan"). In September 2015, the Board authorized an additional share repurchase program allowing repurchases of up to $\$ 50,000$ (the "2015 Plan") to begin following the completion of the 2011 Plan. Both share repurchase programs authorize the repurchase of HMEC's common share in open market or privately negotiated transactions, from time to time, depending on market conditions. The share repurchase programs do not have expiration dates and may be limited or terminated at any time without notice. During 2016, the Company repurchased 701,410 shares of its common stock, or $1.7 \%$, of the outstanding shares on December 31, 2015, at an aggregate cost of $\$ 21.5$ million, or an average price of $\$ 30.65$ per share, under the 2011 and the 2015 Plans. Utilization of the remaining authorization under the 2011 program was completed in January 2016. In total and through December 31, 2016, 2,799,610 shares were repurchased under the 2011 and 2015 Plans at an average price of $\$ 25.18$ per share. The repurchase of shares was funded through use of cash. As of December 31, 2016, $\$ 29.5$ million remained authorized for future share repurchases under the 2015 Plan authorization.

In November 2015, the Company issued $\$ 250.0$ million aggregate principal amount of 4.50\% Senior Notes ("Senior Notes due 2025"), which will mature on December 1, 2025, at a discount resulting in an effective yield of 4.53\%. Interest on the Senior Notes due 2025 is payable semi-annually at a rate of $4.50 \%$. Detailed information regarding the redemption terms of the Senior Notes due 2025 is contained in the "Notes to Consolidated Financial Statements -- Note 7 -- Debt" listed on page F-1 of this report. For information regarding the use of proceeds from the issuance, see "Liquidity and Financial Resources -- Cash Flow -Financing Activities". The Senior Notes due 2025 are traded in the open market (HMN 4.50).

As of December 31, 2016, the Company had no balance outstanding under its Bank Credit Facility. The Bank Credit Facility provides for unsecured borrowings of up to $\$ 150.0$ million and expires on July 30, 2019. Interest accrues at varying spreads relative to prime or Eurodollar base rates and is payable monthly or quarterly depending on the applicable base rate. The unused portion of the Bank Credit Facility is subject to a variable commitment fee, which was $0.15 \%$ on an annual basis at December 31, 2016. On June 15, 2015, the Senior Notes due 2015 matured and the Company repaid the $\$ 75.0$ million aggregate principal amount initially utilizing $\$ 75.0$ million of additional borrowing under the existing Bank Credit Facility. In November 2015, the Company utilized a portion of the proceeds from the issuance of the Senior Notes due 2025, described above, to fully repay the $\$ 113.0$ million outstanding balance under the Company's Bank Credit Facility.

To provide additional capital management flexibility, the Company filed a "universal shelf" registration on Form S-3 with the SEC on March 12, 2015. The registration statement, which registered the offer and sale by the Company from time to time of an indeterminate amount of various securities, which may include debt securities, common stock, preferred stock, depositary shares, warrants, delayed delivery contracts and/or units that include any of these securities, was automatically effective on March 12, 2015. Unless withdrawn by the Company earlier, this registration statement will remain effective through March 12, 2018. The Senior Notes due 2025, described above, were issued utilizing this registration statement. No other securities associated with the registration statement have been issued as of the date of this Annual Report on Form 10-K.

The Company's ratio of earnings to fixed charges (with fixed charges including interest credited to policyholders on investment contracts and life insurance products with account values) for the years ended December 31, 2016, 2015 and 2014 was 1.6x, 1.7x and 1.8x, respectively. See also "Exhibit 12 -- Statement Regarding Computation of Ratios". The Company's ratio of earnings before interest expense to interest expense was $10.7 \mathrm{x}, 10.9 \mathrm{x}$ and $11.3 x$ for the years ended December 31, 2016, 2015 and 2014, respectively.

## Financial Ratings

HMEC's principal insurance subsidiaries are rated by S\&P, Moody's, A.M. Best Company, Inc. ("A.M. Best") and Fitch Ratings, Inc. ("Fitch"). These rating agencies have also assigned ratings to the Company's long-term debt securities. The ratings that are assigned by these agencies, which are subject to change, can impact, among other things, the Company's access to sources of capital, cost of capital and competitive position. These ratings are not a recommendation to buy or hold any of the Company's securities.

In March 2016, A.M. Best upgraded the insurance financial strength rating of the Company's Property and Casualty subsidiaries to "A (Excellent)" from "A- (Excellent)". With the exception of the ratings by A.M. Best, assigned ratings as of February 15, 2017 were unchanged from the disclosure in the Company's Annual Report on Form 10-K for the year ended December 31, 2015. In addition, in November 2016, Moody's affirmed the A3 insurance financial strength rating of HMEC's Property and Casualty subsidiaries and changed the rating outlook to positive from stable. Assigned ratings were as follows (unless otherwise indicated, the insurance financial strength ratings for the Company's Property and Casualty insurance subsidiaries and the Company's principal Life insurance subsidiary are the same):

| As of February 15, 2017 | Insurance Financial Strength Ratings (Outlook) |  | Debt Ratings (Outlook) |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| S\&P | A | (stable) | BBB | (stable) |
| Moody's |  |  |  |  |
| Horace Mann Life Insurance Company ............................ | A3 | (positive) | N.A. |  |
| HMEC's Property and Casualty subsidiaries..................... | A3 | (positive) | N.A. |  |
| HMEC ....................................................................... | N.A. |  | Baa(3) | (positive) |
| A.M. Best | A | (stable) | bbb | (stable) |
| Fitch.. | A | (stable) | BBB | (stable) |

$\overline{\text { N.A. - Not applicable. }}$

Information regarding the reinsurance program for the Company's Property and Casualty segment is located in "Item 1. Business -- Property and Casualty Segment -- Property and Casualty Reinsurance".

Information regarding the reinsurance program for the Company's Life segment is located in "Item 1. Business -- Life Segment".

## Market Value Risk

Market value risk, the Company's primary market risk exposure, is the risk that the Company's invested assets will decrease in value. This decrease in value may be due to (1) a change in the yields realized on the Company's assets and prevailing market yields for similar assets, (2) an unfavorable change in the liquidity of the investment, (3) an unfavorable change in the financial prospects of the issuer of the investment, or (4) a downgrade in the credit rating of the issuer of the investment. See also "Results of Operations for the Three Years Ended December 31, 2016 -- Net Realized Investment Gains and Losses".

Significant changes in interest rates expose the Company to the risk of experiencing losses or earning a reduced level of income based on the difference between the interest rates earned on the Company's investments and the credited interest rates on the Company's insurance liabilities. See also "Results of Operations for the Three Years Ended December 31, 2016 -- Interest Credited to Policyholders".

The Company seeks to manage its market value risk by coordinating the projected cash inflows of assets with the projected cash outflows of liabilities. For all its assets and liabilities, the Company seeks to maintain reasonable durations, consistent with the maximization of income without sacrificing investment quality, while providing for liquidity and diversification. The investment risk associated with variable annuity deposits and the underlying mutual funds is assumed by those contractholders, and not by the Company. Certain fees that the Company earns from variable annuity deposits are based on the market value of the funds deposited.

Through active investment management, the Company invests available funds with the objective of funding future obligations to policyholders, subject to appropriate risk considerations, and maximizing shareholder value. This objective is met through investments that (1) have similar characteristics to the liabilities they support; (2) are diversified among industries, issuers and geographic locations; and (3) are predominately investment-grade fixed maturity securities classified as available for sale. As of the time of this Annual Report on Form 10-K, derivatives are only used to manage the interest crediting rate risk within the fixed indexed annuity and indexed universal life products. At December 31, 2016, approximately $10 \%$ of the fixed maturity securities portfolio represented investments supporting the Property and Casualty operations and approximately $90 \%$ supported the Retirement and Life business. For discussions regarding the Company's investments see "Results of Operations for the Three Years Ended December 31, 2016 -- Net Realized Investment Gains and Losses" and "Item 1. Business -- Investments".

The Company's Retirement and Life earnings are affected by the spreads between interest yields on investments and rates credited or accruing on fixed annuity and life insurance liabilities. Although credited rates on fixed annuities may be changed annually
(subject to minimum guaranteed rates), competitive pricing and other factors, including the impact on the level of surrenders and withdrawals, may limit the Company's ability to adjust or to maintain crediting rates at levels necessary to avoid narrowing of spreads under certain market conditions. See also "Results of Operations for the Three Years Ended December 31, 2016 -- Interest Credited to Policyholders".

Using financial modeling and other techniques, the Company regularly evaluates the appropriateness of investments relative to the characteristics of the liabilities that they support. Simulations of cash flows generated from existing business under various interest rate scenarios measure the potential gain or loss in fair value of interest-rate sensitive assets and liabilities. Such estimates are used to closely match the duration of assets to the duration of liabilities. The overall duration of liabilities of the Company's multiline insurance operations combines the characteristics of its long duration annuity and interest-sensitive life liabilities with its short duration non-interest-sensitive property and casualty liabilities. Overall, at December 31, 2016, the duration of the fixed maturity securities portfolio was estimated to be approximately 5.9 years and the duration of the Company's insurance liabilities and debt was estimated to be approximately 7.5 years.

The Retirement and Life operations participate in the cash flow testing procedures imposed by statutory insurance regulations, the purpose of which is to ensure that such liabilities are adequate to meet the Company's obligations under a variety of interest rate scenarios. Based on these procedures, the Company's assets and the investment income expected to be received on such assets are adequate to meet the insurance policy obligations and expenses of the Company's insurance activities in all but the most extreme circumstances.

The Company periodically evaluates its sensitivity to interest rate risk. Based on commonly used models, the Company projects the impact of interest rate changes, assuming a wide range of factors, including duration and prepayment, on the fair value of assets and liabilities. Fair value is estimated based on the net present value of cash flows or duration estimates. At December 31, 2016, assuming an immediate decrease of 100 basis points in interest rates, the fair value of the Company's assets and liabilities would both increase, the net of which would result in a decrease in shareholders' equity of approximately $\$ 51$ million after tax, or $4.8 \%$. A 100 basis point increase in interest rates would decrease the fair value of both assets and liabilities, the net of which would result in an increase in shareholders' equity of approximately $\$ 4$ million after tax, or $0.4 \%$. At December 31, 2015, assuming an immediate decrease of 100 basis points in interest rates, the fair value of the Company's assets and liabilities would both increase, the net of which would result in a decrease in shareholders' equity of approximately $\$ 47$ million after tax, or $4.0 \%$. A 100 basis point increase in interest rates would decrease the fair value of both assets and liabilities, the net of which would result in an increase in shareholders' equity of approximately $\$ 2$ million after tax, or $0.2 \%$. In each case, these changes in interest rates assume a parallel shift in the yield curve. While the Company believes that these assumed market rate changes are reasonably possible, actual results may differ, particularly as a result of any management actions that would be taken to attempt to mitigate such hypothetical losses in fair value of shareholders' equity.

Interest rates continue to be at historically low levels. If interest rates remain low over an extended period of time, management recognizes it could pressure net investment income by having to invest insurance cash flows and reinvest the cash flows from the investment portfolio in lower yielding securities. Moreover, issuers of securities in the Company's investment portfolio may prepay or redeem fixed maturity securities, as well as asset-backed and commercial and mortgage-backed securities, with greater frequency to borrow at lower market
rates. As a general guideline, management estimates that pretax net income in 2017 and 2018 would decrease by approximately $\$ 2.1$ million (by segment: Retirement $\$ 1.5$ million, Life $\$ 0.4$ million and Property and Casualty $\$ 0.2$ million) and $\$ 7.4$ million (by segment: Retirement $\$ 5.3$ million, Life $\$ 1.5$ million and Property and Casualty $\$ 0.6$ million), respectively, for each 100 basis point decline in reinvestment rates, before assuming any reduction in annuity crediting rates on in-force contracts. In addition, declining interest rates also could negatively impact the amortization of deferred policy acquisition costs, as well as the recoverability of goodwill, due to the impacts on the estimated fair value of the Company's reporting segments.

The Company has been and continues to be proactive in its investment strategies, product designs and crediting rate strategies to mitigate the risk of unfavorable consequences in this type of interest rate environment without venturing into asset classes or individual securities that would be inconsistent with the Company's conservative investment guidelines. Lowering interest crediting rates on annuity contracts can help offset decreases in investment margins on some products. The Company's ability to lower interest crediting rates could be limited by competition, regulatory approval or contractual guarantees of minimum rates and may not match the timing or magnitude of changes in investment yields.

Based on the Company's overall exposure to interest rate risk, the Company believes that these changes in interest rates would not materially affect its consolidated near-term financial position, results of operations or cash flows.

## Pending Accounting Standards

There are several pending accounting standards that we have not implemented because the implementation date has not yet occurred. For a discussion of these pending standards, see "Notes to Consolidated Financial Statements -- Note 1 -- Summary of Significant Accounting Policies -- Pending Accounting Standards".

## Effects of Inflation and Changes in Interest Rates

The Company's operating results are affected significantly in at least three ways by changes in interest rates and inflation. First, inflation directly affects property and casualty claims costs. Second, the investment income earned on the Company's investment portfolio and the fair value of the investment portfolio are related to the yields available in the fixed income markets. An increase in interest rates will decrease the fair value of the investment portfolio, but will increase investment income as investments mature and proceeds are reinvested at higher rates. Third, as interest rates increase, competitors will typically increase crediting rates on investment contracts and life insurance products with account values, and may lower premium rates on property and casualty lines to reflect the higher yields available in the market. The risk of interest rate fluctuation is managed through asset/liability management techniques, including cash flow analysis.

## REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

## The Board of Directors and Shareholders Horace Mann Educators Corporation:

We have audited the accompanying consolidated balance sheets of Horace Mann Educators Corporation and subsidiaries (the Company) as of December 31, 2016 and 2015, and the related consolidated statements of operations, comprehensive income (loss), changes in shareholders' equity, and cash flows for each of the years in the three-year period ended December 31, 2016. In connection with our audits of the consolidated financial statements, we also have audited financial statement schedules I to IV and VI. We also have audited the Company's internal control over financial reporting as of December 31, 2016, based on criteria established in Internal Control - Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). The Company's management is responsible for these consolidated financial statements and financial statement schedules, for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Management's Annual Report on Internal Control Over Financial Reporting (Item 9A.b.). Our responsibility is to express an opinion on these consolidated financial statements and financial statement schedules, and an opinion on the Company's internal control over financial reporting based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement and whether effective internal control over financial reporting was maintained in all material respects. Our audits of the consolidated financial statements included examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. 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.

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 (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) 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 (3) 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.

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, 2016 and 2015, and the results of its operations and its cash flows for each of the years in the three-year period ended December 31, 2016, in conformity with U.S. generally accepted accounting principles. Also in our opinion, the related financial statement schedules, when considered in relation to the basic consolidated financial statements taken as a whole, present fairly, in all material respects, the information set forth therein.

Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2016, based on criteria established in Internal Control - Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

## KPMG LLP <br> KPMG LLP

Chicago, Illinois
March 1, 2017

# HORACE MANN EDUCATORS CORPORATION CONSOLIDATED BALANCE SHEETS <br> As of December 31, 2016 and 2015 <br> (Dollars in thousands, except per share data) 

|  | December 31, |  |
| :---: | :---: | :---: |
|  | 2016 | 2015 |
| ASSETS |  |  |
| Investments |  |  |
| Fixed maturities, available for sale, at fair value (amortized cost 2016, \$7,152,127; 2015, \$6,785,626) | \$ 7,456,708 | \$ 7,091,340 |
| Equity securities, available for sale, at fair value <br> (cost 2016, \$134,013; 2015, \$95,722). | 141,649 | 99,797 |
| Short-term and other investments | 401,015 | 456,893 |
| Total investments | 7,999,372 | 7,648,030 |
| Cash | 16,670 | 15,509 |
| Deferred policy acquisition costs | 267,580 | 253,176 |
| Goodwill.. | 47,396 | 47,396 |
| Other assets | 321,874 | 292,139 |
| Separate Account (variable annuity) assets ....................................... | 1,923,932 | 1,800,722 |
| Total assets..................................................................... | \$10,576,824 | \$10,056,972 |
| LIABILITIES AND SHAREHOLDERS' EQUITY |  |  |
| Policy liabilities |  |  |
| Investment contract and life policy reserves | \$ 5,447,969 | \$ 5,126,842 |
| Unpaid claims and claim expenses ............................................... | 329,888 | 323,720 |
| Unearned premiums | 246,274 | 232,841 |
| Total policy liabilities | 6,024,131 | 5,683,403 |
| Other policyholder funds............................................................... | 708,950 | 692,652 |
| Other liabilities | 378,620 | 368,559 |
| Long-term debt ........................................................................... | 247,209 | 246,975 |
| Separate Account (variable annuity) liabilities | 1,923,932 | 1,800,722 |
| Total liabilities | 9,282,842 | 8,792,311 |
| Preferred stock, $\$ 0.001$ par value, authorized 1,000,000 shares; none issued |  |  |
| Common stock, $\$ 0.001$ par value, authorized $75,000,000$ shares; <br> issued, 2016, 64,917,683; 2015, 64,537,554 ..................................... 65 |  |  |
| Additional paid-in capital. | 453,479 | 442,648 |
| Retained earnings. | 1,155,732 | 1,116,277 |
| Accumulated other comprehensive income (loss), net of taxes: |  |  |
| Net unrealized gains on fixed maturities and equity securities | 175,738 | 175,167 |
| Net funded status of benefit plans | $(11,817)$ | $(11,794)$ |
| Treasury stock, at cost, 2016, 24,672,932 shares; |  |  |
| 2015, 23,971,522 shares .......................... | $(479,215)$ | $(457,702)$ |
| Total shareholders' equity | 1,293,982 | 1,264,661 |
| Total liabilities and shareholders' equity ............................ | \$10,576,824 | \$10,056,972 |

# HORACE MANN EDUCATORS CORPORATION CONSOLIDATED STATEMENTS OF OPERATIONS (Dollars in thousands, except per share data) 

|  | Year Ended December 31, |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2016 |  | 2015 |  | 2014 |  |
| Revenues |  |  |  |  |  |  |
| Insurance premiums and contract charges earned..... |  | \$ 759,146 |  | \$ 731,880 |  | \$ 715,760 |
| Net investment income |  | 361,186 |  | 332,600 |  | 329,815 |
| Net realized investment gains |  | 4,123 |  | 12,713 |  | 10,917 |
| Other income |  | 4,455 |  | 3,255 |  | 4,193 |
| Total revenues |  | 1,128,910 |  | 1,080,448 |  | 1,060,685 |
| Benefits, losses and expenses |  |  |  |  |  |  |
| Benefits, claims and settlement expenses ................ |  | 541,004 |  | 496,364 |  | 468,426 |
| Interest credited |  | 192,022 |  | 182,842 |  | 176,139 |
| Policy acquisition expenses amortized |  | 96,732 |  | 98,919 |  | 93,817 |
| Operating expenses. |  | 173,112 |  | 157,411 |  | 161,992 |
| Interest expense ..... |  | 11,808 |  | 13,122 |  | 14,198 |
| Debt retirement costs |  |  |  | 2,338 |  | - |
| Total benefits, losses and expenses.............. |  | 1,014,678 |  | 950,996 |  | 914,572 |
| Income before income taxes |  | 114,232 |  | 129,452 |  | 146,113 |
| Income tax expense. |  | 30,467 |  | 35,970 |  | 41,870 |
| Net income |  | \$ 83,765 |  | \$ 93,482 |  | \$ 104,243 |
| Net income per share |  |  |  |  |  |  |
| Basic..................... | \$ | 2.04 |  | \$ 2.23 |  | \$ 2.50 |
| Diluted | \$ | 2.02 |  | \$ 2.20 |  | \$ 2.47 |
| Weighted average number of shares and equivalent shares |  |  |  |  |  |  |
| Basic. |  | 41,158,349 |  | 41,914,864 |  | 41,646,281 |
| Diluted |  | 41,475,516 |  | 42,424,806 |  | 42,230,559 |
| Net realized investment gains |  |  |  |  |  |  |
| Total other-than-temporary impairment losses on securities. |  | $(11,401)$ |  | \$ $(23,796)$ |  | \$ $(6,385)$ |
| Portion of losses recognized in other comprehensive income (loss). |  | (290) |  | $(4,300)$ |  | - |
| Net other-than-temporary impairment losses on securities recognized in earnings $\qquad$ |  | $(11,111)$ |  | $(19,496)$ |  | $(6,385)$ |
| Realized gains, net .............................................. |  | 15,234 |  | 32,209 |  | 17,302 |
| Total........................................................ | \$ | \$ 4,123 |  | \$ 12,713 |  | \$ 10,917 |


|  | Year Ended December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| Comprehensive income (loss) |  |  |  |
| Net income | \$83,765 | \$ 93,482 | \$104,243 |
| Other comprehensive income (loss), net of taxes: |  |  |  |
| Change in net unrealized investment gains and losses on fixed maturities and equity securities.... | 571 | $(122,387)$ | 163,564 |
| Change in net funded status of benefit plans .......... | (23) | 1,159 | $(1,177)$ |
| Other comprehensive income (loss)................ | 548 | (121,228) | 162,387 |
| Total....................................................... | \$84,313 | \$ (27,746) | \$266,630 |

# HORACE MANN EDUCATORS CORPORATION <br> CONSOLIDATED STATEMENTS OF CHANGES IN SHAREHOLDERS' EQUITY (Dollars in thousands, except per share data) 



See accompanying Notes to Consolidated Financial Statements.

# HORACE MANN EDUCATORS CORPORATION CONSOLIDATED STATEMENTS OF CASH FLOWS (Dollars in thousands) 

|  | Year Ended December 31, |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2016 |  | 2015 |  | 2014 |  |
| Cash flows - operating activities |  |  |  |  |  |  |
| Premiums collected. | \$ | 710,646 | \$ | \$ 723,705 | \$ | \$ 707,275 |
| Policyholder benefits paid |  | $(511,017)$ |  | $(534,359)$ |  | $(486,295)$ |
| Policy acquisition and other operating expenses paid $\qquad$ |  | $(277,076)$ |  | $(267,854)$ |  | $(262,765)$ |
| Federal income taxes paid .................................... |  | $(27,847)$ |  | $(24,861)$ |  | $(29,195)$ |
| Investment income collected |  | 344,778 |  | 330,034 |  | 324,252 |
| Interest expense paid. |  | $(11,754)$ |  | $(13,521)$ |  | $(13,902)$ |
| Other. |  | $(20,312)$ |  | $(6,101)$ |  | $(17,437)$ |
| Net cash provided by operating activities ....... |  | 207,418 |  | 207,043 |  | 221,933 |
| Cash flows - investing activities |  |  |  |  |  |  |
| Fixed maturities |  |  |  |  |  |  |
| Purchases. |  | $(1,566,047)$ |  | $(1,490,376)$ |  | $(1,309,267)$ |
| Sales. |  | 429,251 |  | 445,100 |  | 261,696 |
| Maturities, paydowns, calls and redemptions .......... |  | 799,653 |  | 683,335 |  | 451,074 |
| Purchase of other invested assets .......................... |  | $(83,588)$ |  | $(38,018)$ |  | $(16,041)$ |
| Net cash provided by (used in) short-term and other investments |  | 95,371 |  | $(15,890)$ |  | 47,023 |
| Net cash used in investing activities |  | $(325,360)$ |  | $(415,849)$ |  | $(565,515)$ |
| Cash flows - financing activities |  |  |  |  |  |  |
| Dividends paid to shareholders. |  | $(44,310)$ |  | $(42,523)$ |  | $(39,237)$ |
| Proceeds from issuance of Senior Notes due 2025 |  | - |  | 246,937 |  |  |
| Redemption of Senior Notes due 2016 .................... |  | - |  | $(127,292)$ |  | - |
| Maturity of Senior Notes due 2015. |  | - |  | $(75,000)$ |  | - |
| Principal repayment on Bank Credit Facility .............. |  |  |  | $(38,000)$ |  | - |
| Acquisition of treasury stock |  | $(21,513)$ |  | $(21,950)$ |  | $(5,411)$ |
| Exercise of stock options |  | 3,329 |  | 1,629 |  | 8,252 |
| Annuity contracts: variable, fixed and |  |  |  |  |  |  |
| FHLB funding agreements |  |  |  |  |  |  |
| Deposits...................... |  | 520,211 |  | 623,021 |  | 730,632 |
| Benefits, withdrawals and net transfers to |  |  |  |  |  |  |
| Separate Account (variable annuity) assets ...... |  | $(349,915)$ |  | $(354,735)$ |  | $(326,374)$ |
| Life policy accounts |  |  |  |  |  |  |
| Deposits.. |  | 4,018 |  | 1,455 |  | 1,093 |
| Withdrawals and surrenders................................ |  | $(3,965)$ |  | $(3,985)$ |  | $(4,883)$ |
| Cash received (paid) related to repurchase agreements |  | - |  | - |  | $(25,848)$ |
| Change in bank overdrafts.................................... |  | 11,248 |  | 3,083 |  | $(1,156)$ |
| Net cash provided by financing activities ........ |  | 119,103 |  | 212,640 |  | 337,068 |
| Net increase (decrease) in cash ................................ |  | 1,161 |  | 3,834 |  | $(6,514)$ |
| Cash at beginning of period |  | 15,509 |  | 11,675 |  | 18,189 |
| Cash at end of period | \$ | 16,670 | \$ | \$ 15,509 |  | \$ 11,675 |

See accompanying Notes to Consolidated Financial Statements.

# HORACE MANN EDUCATORS CORPORATION NOTES TO CONSOLIDATED FINANCIAL STATEMENTS <br> December 31, 2016, 2015 and 2014 <br> (Dollars in thousands, except per share data) 

## NOTE 1 - Summary of Significant Accounting Policies

Basis of Presentation

The accompanying consolidated financial statements have been prepared in accordance with United States ("U.S.") generally accepted accounting principles ("GAAP") and with the rules and regulations of the Securities and Exchange Commission ("SEC"), specifically Regulation $S-X$ and the instructions to Form 10-K. The preparation of consolidated financial statements in conformity with GAAP requires management to make estimates and assumptions that affect (1) the reported amounts of assets and liabilities, (2) disclosure of contingent assets and liabilities at the date of the consolidated financial statements, and (3) the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

The consolidated financial statements include the accounts of Horace Mann Educators Corporation and its wholly-owned subsidiaries ("HMEC"; and together with its subsidiaries, the "Company" or "Horace Mann"). HMEC and its subsidiaries have common management, share office facilities and are parties to intercompany service agreements for management, administrative, utilization of personnel, financial, investment advisory, underwriting, claims adjusting, agency and data processing services. Under these agreements, costs have been allocated among the companies in conformity with GAAP. In addition, certain of the subsidiaries have entered into intercompany reinsurance agreements. HMEC and its subsidiaries file a consolidated federal income tax return, and there are related tax sharing agreements. All significant intercompany balances and transactions have been eliminated in consolidation.

The subsidiaries of HMEC market and underwrite personal lines of property and casualty insurance products (primarily personal lines automobile and homeowners insurance), retirement products (primarily tax-qualified annuities) and life insurance, primarily to K-12 teachers, administrators and other employees of public schools and their families. HMEC's principal operating subsidiaries are Horace Mann Life Insurance Company, Horace Mann Insurance Company, Teachers Insurance Company, Horace Mann Property \& Casualty Insurance Company and Horace Mann Lloyds.

The Company has evaluated subsequent events through the date these consolidated financial statements were issued. There were no subsequent events requiring adjustment to the financial statements or disclosure.

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

## Investments

The Company invests primarily in fixed maturity securities ("fixed maturities"). This category includes primarily bonds and notes, but also includes redeemable preferred stocks. These securities are classified as available for sale and carried at fair value. The adjustment for net unrealized investment gains and losses on all securities available for sale, carried at fair value, is recorded as a separate component of accumulated other comprehensive income within shareholders' equity, net of applicable deferred taxes and the related impact on deferred policy acquisition costs associated with annuity contracts and life insurance products with account values that would have occurred if the securities had been sold at their aggregate fair value and the proceeds reinvested at current yields.

Equity securities are classified as available for sale and carried at fair value. This category includes nonredeemable preferred stocks and common stocks.

Short-term and other investments are comprised of short-term fixed maturity securities, generally carried at cost which approximates fair value; derivative instruments (all call options), carried at fair value; policy loans, carried at unpaid principal balances; mortgage loans, carried at unpaid principal; certain alternative investments (primarily investments in limited partnerships) which are accounted for as equity method investments; and restricted Federal Home Loan Bank membership and activity stocks, carried at redemption value which approximates fair value.

The Company invests in fixed maturity securities and alternative investment funds that could qualify as variable interest entities, including corporate securities, mortgage-backed securities and asset-backed securities. Such securities have been reviewed and determined not to be subject to consolidation as the Company is not the primary beneficiary of these securities because the Company does not have the power to direct the activities that most significantly impact the entities' economic performance.

Investment income is recognized as earned. Investment income reflects amortization of premiums and accrual of discounts on an effective-yield basis.

Realized gains and losses arising from the disposal (recorded on a trade date basis) or impairment of securities are determined based upon specific identification of securities. The Company evaluates all investments in its portfolio for other-than-temporary declines in value as described in the following section.

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

## Other-than-temporary Impairment of Investments

The Company's methodology of assessing other-than-temporary impairments is based on security-specific facts and circumstances as of the balance sheet date. Based on these facts, for fixed maturity securities if (1) the Company has the intent to sell the fixed maturity security, (2) it is more likely than not the Company will be required to sell the fixed maturity security before the anticipated recovery of the amortized cost basis, or (3) management does not expect to recover the entire cost basis of the fixed maturity security, an other-thantemporary impairment is considered to have occurred. For equity securities, if (1) the Company does not have the ability and intent to hold the security for the recovery of cost or (2) recovery of cost is not expected within a reasonable period of time, an other-than-temporary impairment is considered to have occurred. Additionally, if events become known that call into question whether the security issuer has the ability to honor its contractual commitments, such security holding will be evaluated to determine whether or not such security has suffered an other-than-temporary decline in value.

The Company reviews the fair value of all investments in its portfolio on a monthly basis to assess whether an other-than-temporary decline in value has occurred. These reviews, in conjunction with the Company's investment managers' monthly credit reports and relevant factors such as (1) the financial condition and near-term prospects of the issuer, (2) the length of time and extent to which the fair value has been less than amortized cost for fixed maturity securities or cost for equity securities, (3) for fixed maturity securities, the Company's intent to sell a security or whether it is more likely than not the Company will be required to sell the security before the anticipated recovery in the amortized cost basis; and for equity securities, the Company's ability and intent to hold the security for the recovery of cost or if recovery of cost is not expected within a reasonable period of time, (4) the stock price trend of the issuer, (5) the market leadership position of the issuer, (6) the debt ratings of the issuer, and (7) the cash flows and liquidity of the issuer or the underlying cash flows for asset-backed securities, are all considered in the impairment assessment. When an other-than-temporary impairment is deemed to have occurred, the investment is written-down to fair value, with a realized loss charged to income for the period for the full loss amount for all equity securities and the creditrelated loss portion associated with impaired fixed maturity securities. The amount of the total other-than-temporary impairment related to non-credit factors for fixed maturity securities is recognized in other comprehensive income, net of applicable taxes, in which the Company has the intent to sell the security or if it is more likely than not the Company will be required to sell the security before the anticipated recovery of the amortized cost basis.

With respect to fixed maturity securities involving securitized financial assets -- primarily asset-backed and commercial mortgage-backed securities in the Company's portfolio -- the securitized financial asset securities' underlying collateral cash flows are stress tested to determine if there has been any adverse change in the expected cash flows.

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

A decline in fair value below amortized cost is not assumed to be other-than-temporary for fixed maturity investments with unrealized losses due to spread widening, market illiquidity or changes in interest rates where there exists a reasonable expectation based on the Company's consideration of all objective information available that the Company will recover the entire cost basis of the security and the Company does not have the intent to sell the investment before maturity or a market recovery is realized and it is more likely than not the Company will not be required to sell the investment. An other-than-temporary impairment loss will be recognized based upon all relevant facts and circumstances for each investment, as appropriate.

Additional considerations for certain types of securities include the following:
Corporate Fixed Maturity Securities
Judgments regarding whether a corporate fixed maturity security is other-thantemporarily impaired include analyzing the issuer's financial condition and whether there has been a decline in the issuer's ability to service the specific security. The analysis of the security issuer is based on asset coverage, cash flow multiples or other industry standards. Several factors assessed include, but are not limited to, credit quality ratings, cash flow sustainability, liquidity, financial strength, industry and market position. Sources of information include, but are not limited to, management projections, independent consultants, external analysts' research, peer analysis and the Company's internal analysis.

If the Company has concerns regarding the viability of the issuer or its ability to service the specific security after this assessment, a cash flow analysis is prepared to determine if the present value of future cash flows has declined below the amortized cost of the fixed maturity security. This analysis to determine an estimate of ultimate recovery value is combined with the estimated timing to recovery and any other applicable cash flows that are expected. If a cash flow analysis estimate is not feasible, then the market's view of cash flows implied by the period end fair value, market discount rates and effective yield are the primary factors used to estimate a recovery value.

Mortgage-Backed Securities Not Issued By the U.S. Government or Federally Sponsored Agencies

The Company uses an estimate of future cash flows expected to be collected to evaluate its mortgage-backed securities for other-than-temporary impairment. The determination of cash flow estimates is inherently subjective and methodologies may vary depending on facts and circumstances specific to the security. All reasonably available information relevant to the collectability of the security, including past events, current conditions, and reasonable and supportable assumptions and forecasts, are considered when developing the estimate of cash flows expected to be collected. Information includes, but is not limited to, debt-servicing, missed refinancing opportunities and geography.

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

Loan level characteristics such as issuer, FICO score, payment terms, level of documentation, property or residency type, and economic outlook are also utilized in financial models, along with historical performance, to estimate or measure the loan's propensity to default. Additionally, financial models take into account loan age, lease rollovers, rent volatilities, vacancy rates and exposure to refinancing as additional drivers of default. For transactions where loan level data is not available, financial models use a proxy based on the collateral characteristics. Loss severity is a function of multiple factors including, but not limited to, the unpaid balance, interest rate, mortgage insurance ratios, assessed property value at origination, change in property valuation and loan-to-value ratio at origination. Prepayment speeds, both actual and estimated, cost of capital rates and debt service ratios are also considered. The cash flows generated by the collateral securing these securities are then estimated with these default, loss severity and prepayment assumptions. These collateral cash flows are then utilized, along with consideration for the issue's position in the overall structure, to estimate the cash flows associated with the residential or commercial mortgagebacked security held by the Company.

## Municipal Bonds

The Company's municipal bond portfolio consists primarily of special revenue bonds, which present unique considerations in evaluating other-than-temporary impairments, but also includes general obligation bonds. The Company evaluates special revenue bonds for other-than-temporary impairment based on guarantees associated with the repayment from revenues generated by the specified revenue-generating activity associated with the purpose of the bonds. Judgments regarding whether a municipal bond is other-than-temporarily impaired include analyzing the issuer's financial condition and whether there has been a decline in the overall financial condition of the issuer or its ability to service the specific security. Security credit ratings are reviewed with emphasis on the economy, finances, debt and management of the municipal issuer. Certain securities may be guaranteed by the monoline credit insurers or other forms of guarantee.

While not relied upon in the initial security purchase decision, insurance benefits are considered in the assessments for other-than-temporary impairment, including the creditworthiness of the guarantor. Municipalities possess unique powers, along with a special legal standing and protections, that enable them to act quickly to restore budgetary balance and fiscal integrity. These powers include the sovereign power to tax, access to one-time revenue sources, capacity to issue or restructure debt, and ability to shift spending to other authorities. State governments often provide secondary support to local governments in times of financial stress and the federal government has provided assistance to state governments during recessions.

If the Company has concerns regarding the viability of the municipal issuer or its ability to service the specific security after this analysis, a cash flow analysis is prepared to determine a present value and whether it has declined below the amortized cost of the security. If a cash flow analysis is not feasible, then the market's view of the period end fair value, market discount rates and effective yield are the primary factors used to estimate the present value.

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

## Credit Losses

The Company estimates the amount of the credit loss component of a fixed maturity security impairment as the difference between amortized cost and the present value of the expected cash flows of the security. The present value is determined using the best estimate cash flows discounted at the effective interest rate implicit to the security at the date of purchase or the current yield to accrete an asset-backed or floating rate security. The methodology and assumptions for establishing the best estimate cash flows vary depending on the type of security. Corporate fixed maturity security and municipal bond cash flow estimates are derived from scenario-based outcomes of expected restructurings or the disposition of assets using specific facts and other circumstances, including timing, security interests and loss severity and when not reasonably estimable, such securities are impaired to fair value as management's best estimate of the present value of future cash flows. The cash flow estimates for mortgage-backed and other structured securities are based on security specific facts and circumstances that may include collateral characteristics, expectations of delinquency and default rates, loss severity and prepayment speeds, and structural support, including subordination and guarantees.

## Deferred Policy Acquisition Costs

The Company's deferred policy acquisition costs ("DAC") asset by segment was as follows:

|  | December 31, |  |
| :---: | :---: | :---: |
|  | 2016 | 2015 |
| Retirement (annuity) | \$188,117 | \$178,300 |
| Life. | 51,859 | 48,191 |
| Property and Casualty | 27,604 | 26,685 |
| Total. | \$267,580 | \$253,176 |

Policy acquisition costs, consisting of commissions, policy issuance and other costs which are incremental and directly related to the successful acquisition of new or renewal business, are deferred and amortized on a basis consistent with the type of insurance coverage. For all investment (annuity) contracts, deferred policy acquisition costs are amortized over 20 years in proportion to estimated gross profits. Deferred policy acquisition costs are amortized in proportion to estimated gross profits over 20 years for certain life insurance products with account values and over 30 years for indexed universal life contracts. For other individual life contracts, deferred policy acquisition costs are amortized in proportion to anticipated premiums over the terms of the insurance policies (10, 15, 20 or 30 years). For Property and Casualty policies, deferred policy acquisition costs are amortized over the terms of the insurance policies (6 or 12 months).

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

The Company periodically reviews the assumptions and estimates used in deferring policy acquisition costs and also periodically reviews its estimations of gross profits, a process sometimes referred to as "unlocking". The most significant assumptions that are involved in the estimation of annuity gross profits include interest rate spreads, future financial market performance, business surrender/lapse rates, expenses and the impact of net realized investment gains and losses. For the variable deposit portion of the Retirement segment, the Company amortizes deferred policy acquisition costs utilizing a future financial market performance assumption of a $10 \%$ reversion to the mean approach with a 200 basis point corridor around the mean during the reversion period, representing a cap and a floor on the Company's long-term assumption. The Company's practice with regard to returns on Separate Accounts assumes that long-term appreciation in the financial market is not changed by shortterm market fluctuations, but is only changed when sustained deviations are experienced. The Company monitors these fluctuations and only changes the assumption when its long-term expectation changes.

In the event actual experience differs significantly from assumptions or assumptions are significantly revised, the Company may be required to record a material charge or credit to current period amortization expense for the period in which the adjustment is made. The Company recorded the following adjustments to amortization expense as a result of evaluating actual experience and prospective assumptions, the impact of unlocking:

|  | Year Ended December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| Increase (decrease) to amortization: |  |  |  |
| Annuity... | \$(313) | \$3,403 | \$1,224 |
| Life.. | (394) | (34) | (131) |
| Total | \$(707) | \$3,369 | \$1,093 |

Deferred policy acquisition costs for investment contracts and life insurance products with account values are adjusted for the impact on estimated future gross profits as if net unrealized investment gains and losses had been realized at the balance sheet date. This adjustment reduced the deferred policy acquisition costs by $\$ 40,274$ and $\$ 38,819$ at December 31, 2016 and 2015, respectively. The after tax impact of this adjustment is included in accumulated other comprehensive income (net unrealized investment gains and losses on fixed maturities and equity securities) within shareholders' equity.

Deferred policy acquisition costs is reviewed for recoverability from future income, including investment income, and costs which are deemed unrecoverable are expensed in the period in which the determination is made. No such costs were deemed unrecoverable during the years ended December 31, 2016, 2015 and 2014.

## Goodwill

When the Company was acquired in 1989, intangible assets were recorded in the application of purchase accounting to recognize goodwill. In addition, goodwill was recorded in 1994 related to the purchase of Horace Mann Property \& Casualty Insurance Company.

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

Goodwill represents the excess of the amounts paid to acquire a business over the fair value of its net assets at the date of acquisition. Goodwill is not amortized, but is tested for impairment at the reporting unit level at least annually or more frequently if events occur or circumstances change that would more likely than not reduce the fair value of a reporting unit below its carrying amount. A reporting unit is defined as an operating segment or a business unit one level below an operating segment, if separate financial information is prepared and regularly reviewed by management at that level. The Company's reporting units, for which goodwill has been allocated, are equivalent to the Company's operating segments.

The allocation of goodwill by reporting unit is as follows:


The goodwill impairment test, as defined in the accounting guidance, allows an entity the option to first assess qualitative factors to determine whether the existence of events or circumstances leads to a determination that it is more likely than not that the fair value of a reporting unit is less than its carrying amount. If an entity determines it is more likely than not that the fair value of a reporting unit is less than its carrying amount, then the entity follows a two-step process. In the first step, the fair value of a reporting unit is compared to its carrying value. If the carrying value of a reporting unit exceeds its fair value, the second step of the impairment test is performed for purposes of confirming and measuring the impairment. In the second step, the fair value of the reporting unit is allocated to all of the assets and liabilities of the reporting unit to determine an implied goodwill value. If the carrying amount of the reporting unit goodwill exceeds the implied goodwill value, an impairment loss would be recognized in an amount equal to that excess. Any amount of goodwill determined to be impaired will be recorded as an expense in the period in which the impairment determination is made.

The Company completed its annual goodwill assessment for the individual reporting units as of October 1, 2016 and did not utilize the option to perform an initial assessment of qualitative factors. The first step of the Company's analysis indicated that fair value exceeded carrying value for all reporting units. The process of evaluating goodwill for impairment required management to make multiple judgments and assumptions to determine the fair value of each reporting unit, including discounted cash flow calculations, the level of the Company's own share price and assumptions that market participants would make in valuing each reporting unit. Fair value estimates were based primarily on an in-depth analysis of historical experience, projected future cash flows and relevant discount rates, which considered market participant inputs and the relative risk associated with the projected cash flows. Other assumptions included levels of economic capital, future business growth, earnings projections and assets under management for each reporting unit. Estimates of fair value are subject to assumptions that are sensitive to change and represent the Company's reasonable expectation regarding future developments. The Company also considered other valuation techniques such as peer company price-to-earnings and price-to-book multiples.

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

As part of the Company's October 1, 2016 goodwill analysis, the Company compared the fair value of the aggregated reporting units to the market capitalization of the Company. The difference between the aggregated fair value of the reporting units and the market capitalization of the Company was attributed to several factors, most notably market sentiment, trading volume and transaction premium. The amount of the transaction premium was determined to be reasonable based on insurance industry and Company-specific facts and circumstances. There were no other events or material changes in circumstances during 2016 that indicated that a material change in the fair value of the Company's reporting units had occurred.

During each year from 2014 through 2016, the Company completed the required annual testing; no impairment charges were necessary as a result of such assessments. The assessment of goodwill recoverability requires significant judgment and is subject to inherent uncertainty. The use of different assumptions, within a reasonable range, could cause the fair value to be below carrying value. Subsequent goodwill assessments could result in impairment, particularly for any reporting unit with at-risk goodwill, due to the impact of a volatile financial market on earnings, discount rate assumptions, liquidity and market capitalization.

## Property and Equipment

Property and equipment are carried at cost less accumulated depreciation, which is calculated on the straight-line method based on the estimated useful lives of the assets. The estimated life for real estate is identified by specific property and ranges from 20 to 45 years. The estimated useful lives of leasehold improvements and other property and equipment, including capitalized software, generally range from 2 to 10 years. The following amounts are included in Other assets in the Consolidated Balance Sheets:

|  | December 31, |  |
| :---: | :---: | :---: |
|  | 2016 | 2015 |
| Property and equipment. | \$120,712 | \$107,876 |
| Less: accumulated depreciation. | 88,524 | 82,236 |
| Total. | \$ 32,188 | \$ 25,640 |

## Separate Account (Variable Annuity) Assets and Liabilities

Separate Account assets represent variable annuity contractholder funds invested in various mutual funds. Separate Account assets are recorded at fair value primarily based on market quotations of the underlying securities. Separate Account liabilities are equal to the estimated fair value of Separate Account assets. The investment income, gains and losses of these accounts accrue directly to the contractholders and are not included in the operations of the Company. The activity of the Separate Accounts is not reflected in the Consolidated Statements of Operations except for (1) contract charges earned, (2) the activity related to contract guarantees, which are benefits on existing variable annuity contracts, and (3) the impact of financial market performance on the amortization of deferred policy acquisition costs. The Company's contract charges earned include fees charged to the Separate Accounts, including mortality charges, risk charges, policy administration fees, investment management fees and surrender charges.

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

Investment Contract and Life Policy Reserves

This table summarizes the Company's investment contract and life policy reserves.

|  | December 31, |  |
| :---: | :---: | :---: |
|  | 2016 | 2015 |
| Investment contract reserves. | \$4,360,456 | \$4,072,102 |
| Life policy reserves | 1,087,513 | 1,054,740 |
| Total.. | \$5,447,969 | \$5,126,842 |

Liabilities for future benefits on life and annuity policies are established in amounts adequate to meet the estimated future obligations on policies in force.

Liabilities for future policy benefits on certain life insurance policies are computed using the net level premium method including assumptions as to investment yields, mortality, persistency, expenses and other assumptions based on the Company's experience, including a provision for adverse deviation. These assumptions are established at the time the policy is issued and are intended to estimate the experience for the period the policy benefits are payable. If experience is less favorable than the assumptions, additional liabilities may be established, resulting in a charge to income for that period. At December 31, 2016, reserve investment yield assumptions ranged from 3.5\% to 8.0\%.

Liabilities for future benefits on annuity contracts and certain long-duration life insurance contracts are carried at accumulated policyholder values without reduction for potential surrender or withdrawal charges. The liability also includes provisions for the unearned portion of certain policy charges.

A guaranteed minimum death benefit ("GMDB") generally provides an additional benefit if the contractholder dies and the variable annuity contract value is less than a contractually defined amount. The Company has estimated and recorded a GMDB reserve on variable annuity contracts in accordance with accounting guidance. Contractually defined amounts vary from contract to contract based on the date the contract was entered into as well as the GMDB feature elected by the contractholder. The Company regularly monitors the GMDB reserve considering fluctuations in the financial market. The Company has a relatively low exposure to GMDB risk as shown below.

|  |  |  |
| :---: | :---: | :---: |
|  | 2016 | 2015 |
| GMDB reserve | \$ 225 | \$ 358 |
| Aggregate in-the-money death benefits under the GMDB provision. | 32,106 | 35,563 |
| Variable annuity contract value distribution based on GMDB feature: |  |  |
| No guarantee. | 32\% | 32\% |
| Return of premium guarantee. | 62\% | 62\% |
| Guarantee of premium roll-up at an annual rate of 3\% or 5\%. | 6\% | 6\% |
| Total. | 100\% | 100\% |

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

Reserves for Fixed Indexed Annuities and Indexed Universal Life Policies

In 2014, the Company began offering fixed indexed annuity ("FIA") products with interest crediting strategies linked to the Standard \& Poor's 500 Index and the Dow Jones Industrial Average. The Company purchases call options on the applicable indices as an investment to provide the income needed to fund the annual index credits on the indexed products. These products are deferred fixed annuities with a guaranteed minimum interest rate plus a contingent return based on equity market performance and are considered hybrid financial instruments under the Financial Accounting Standards Board's ("FASB") Accounting Standards Codification ("ASC") Topic 815 "Derivatives and Hedging".

The Company elected to not use hedge accounting for derivative transactions related to the FIA products. As a result, the Company records the purchased call options and the embedded derivative related to the provision of a contingent return at fair value, with changes in fair value reported in Net realized investment gains and losses in the Consolidated Statements of Operations. The embedded derivative is bifurcated from the host contract and included in Other policyholder funds in the Consolidated Balance Sheets. The host contract is accounted for as a debt instrument in accordance with ASC Topic 944 "Financial Services -Insurance" and is included in Investment contract and life policy reserves in the Consolidated Balance Sheets with any discount to the minimum account value being accreted using the effective yield method. In the Consolidated Statements of Operations, accreted interest for FIA products and benefit claims on these products incurred during the reporting period are included in Benefits, claims and settlement expenses.

In October 2015, the Company began offering indexed universal life ("IUL") products as part of its product portfolio with interest crediting strategies linked to the Standard \& Poor's 500 Index and the Dow Jones Industrial Average as well as a fixed option. The Company purchases call options monthly to hedge the potential liabilities arising in IUL accounts. The Company elected to not use hedge accounting for derivative transactions related to the IUL products. As a result, the Company records the purchased call options and the embedded derivative related to the provision of a contingent return at fair value, with changes in fair value reported in Net realized investment gains and losses in the Consolidated Statements of Operations. IUL policies with a balance in one or more indexed accounts are considered to have an embedded derivative. The benefit reserve for the host contract is measured using the retrospective deposit method, which for Horace Mann's IUL product is equal to the account balance. The embedded derivative is bifurcated from the host contract, carried at fair value and included in Investment contract and life policy reserves in the Consolidated Balance Sheets.

More information regarding the determination of fair value of the FIA and IUL embedded derivatives and purchased call options, the only derivative instruments utilized by the Company, is included in "Note 3 -- Fair Value of Financial Instruments".

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

## Unpaid Claims and Claim Expenses

Liabilities for Property and Casualty unpaid claims and claim expenses include provisions for payments to be made on reported claims, claims incurred but not yet reported and associated settlement expenses. All of the Company's reserves for Property and Casualty unpaid claims and claim expenses are carried at the full value of estimated liabilities and are not discounted for interest expected to be earned on reserves. Estimated amounts of salvage and subrogation on unpaid Property and Casualty claims are deducted from the liability for unpaid claims. Due to the nature of the Company's personal lines business, the Company has no exposure to losses related to claims for toxic waste cleanup, other environmental remediation or asbestos-related illnesses other than claims under homeowners insurance policies for environmentally related items such as mold.

## Other Policyholder Funds

Other policyholder funds includes supplementary contracts without life contingencies and dividend accumulations, as well as balances outstanding under the funding agreements with the Federal Home Loan Bank of Chicago ("FHLB") and embedded derivatives related to fixed indexed annuities. Except for embedded derivatives, each of these components is carried at cost. Embedded derivatives are carried at fair value. Amounts received and repaid under the FHLB funding agreements are classified in the financing activities section of the Company's Consolidated Statements of Cash Flows combined with annuity contract deposits and disbursements, respectively.

## Federal Home Loan Bank Funding Agreements

In 2013, one of the Company's subsidiaries, Horace Mann Life Insurance Company ("HMLIC"), became a member of the FHLB, which provides HMLIC with access to collateralized borrowings and other FHLB products. As membership requires the ownership of member stock, in June 2013, HMLIC purchased common stock to meet the membership requirement. Any borrowing from the FHLB requires the purchase of FHLB activity-based common stock in an amount equal to $5.0 \%$ of the borrowing, or a lower percentage -- such as $2.0 \%$ based on the Reduced Capitalization Advance Program. For FHLB advances and funding agreements combined, HMEC's Board of Directors has authorized a maximum amount equal to $10 \%$ of HMLIC's admitted assets using prescribed statutory accounting principles. On both September 18, 2014 and December 27, 2013, the Company received $\$ 250,000$ under funding agreements and on December 28, 2015, an additional \$75,000 was received under a funding agreement. For the total \$575,000 received, \$250,000 matures on September 13, 2019, $\$ 125,000$ matures on December 15,2023 and $\$ 200,000$ matures on January 16, 2026. Interest on the funding agreements accrues at an annual weighted average rate of $0.52 \%$ as of December 31, 2016. FHLB borrowings of $\$ 575,000$ are included in Other policyholder funds in the Consolidated Balance Sheet.

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

## Insurance Premiums and Contract Charges Earned

Property and Casualty insurance premiums are recognized as revenue ratably over the related contract periods in proportion to the risks insured. The unexpired portions of these Property and Casualty premiums are recorded as unearned premiums, using the monthly pro rata method.

Premiums and contract charges for life insurance contracts with account values and investment (annuity) contracts consist of charges for the cost of insurance, policy administration and withdrawals. Premiums for long-term traditional life policies are recognized as revenues when due over the premium-paying period. Contract deposits to investment contracts and life insurance contracts with account values represent funds deposited by policyholders and are not included in the Company's premiums or contract charges earned.

## Share-Based Compensation

The Company grants stock options and both service-based and performance-based restricted common stock units ("RSUs") to executive officers, other employees and Directors in an effort to attract and retain individuals while also aligning compensation with the interests of the Company's shareholders. Additional information regarding the Company's share-based compensation plans is contained in "Note 9 -- Shareholders' Equity and Common Stock Equivalents".

Stock options are accounted for under the fair value method of accounting using a BlackScholes valuation model to measure stock option expense at the date of grant. The fair value of RSUs is measured at the market price of the Company's common stock on the date of grant, with the exception of market-based performance awards, for which the Company uses a Monte Carlo simulation model to determine fair value for purposes of measuring RSU expense. For the years ended December 31, 2016, 2015 and 2014, the Company recognized $\$ 1,207, \$ 1,285$ and $\$ 1,270$, respectively, in stock option expense as a result of the vesting of stock options during the respective periods. For the years ended December 31, 2016, 2015 and 2014, the Company recognized $\$ 6,929$, $\$ 892$ and $\$ 6,132$, respectively, in RSU expense as a result of the earning and/or vesting of RSUs during the respective periods.

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

In 2016, 2015 and 2014, the Company granted stock options as quantified in the table below, which also provides the weighted average grant date fair value for stock options granted in each year. The fair value of stock options granted was estimated on the respective dates of grant using the Black-Scholes option pricing model with the weighted average assumptions shown in the following table.

|  | Year Ended December 31, |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2016 |  | 2015 |  | 2014 |  |
| Number of stock options granted | 307,176 |  | 142,908 |  | 175,632 |  |
| Weighted average grant date fair value of stock options granted............ | \$ | 5.01 | \$ | 11.18 | \$ | 9.01 |
| Weighted average assumptions: |  |  |  |  |  |  |
| Risk-free interest rate . |  | 1.3\% |  | 1.7\% |  | 1.9\% |
| Expected dividend yield |  | 3.2\% |  | 2.6\% |  | 2.5\% |
| Expected life, in years... |  | 4.9 |  | 7.2 |  | 5.7 |
| Expected volatility (based on historical volatility) ........................... |  | 25.6\% |  | 42.8\% |  | 40.3\% |

The weighted average fair value of nonvested stock options outstanding on December 31,2016 was $\$ 6.82$. Total unrecognized compensation expense relating to the nonvested stock options outstanding as of December 31, 2016 was approximately $\$ 2,299$. This amount will be recognized as expense over the remainder of the vesting period, which is scheduled to be 2017 through 2020. Expense is reflected on a straight-line basis over the vesting period for the entire award.

Total unrecognized compensation expense relating to RSUs outstanding as of December 31, 2016 was approximately $\$ 9,517$. This amount will be recognized as expense over the remainder of the earning and vesting period, which is scheduled to be 2017 through 2020. Expense is reflected on a straight-line basis from the date of grant through the end of the vesting period for the entire award.

## Income Taxes

The Company uses the asset and liability method for calculating deferred federal income taxes. Income tax provisions are generally based on income reported for financial statement purposes. The provisions for federal income taxes for the years ended December 31, 2016, 2015 and 2014 included amounts currently payable and deferred income taxes resulting from the cumulative differences in the Company's assets and liabilities, determined on a tax return versus financial statement basis.

Deferred tax assets and liabilities include provisions for unrealized investment gains and losses as well as the net funded status of pension and other postretirement benefit obligations with the changes for each period included in the respective components of accumulated other comprehensive income (loss) within shareholders' equity.

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

## Earnings Per Share

Basic earnings per share is computed based on the weighted average number of common shares outstanding plus the weighted average number of fully vested restricted stock units and common stock units payable as shares of HMEC common stock. Diluted earnings per share is computed based on the weighted average number of common shares and common stock equivalents outstanding, to the extent dilutive. The Company's common stock equivalents relate to outstanding common stock options, deferred compensation common stock units and incentive compensation restricted common stock units, which are described in "Note 9 -- Shareholders' Equity and Common Stock Equivalents".

The computations of net income per share on both basic and diluted bases, including reconciliations of the numerators and denominators, were as follows:

|  | Year Ended December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| Basic: |  |  |  |
| Net income for the period. | \$83,765 | \$ 93,482 | \$104,243 |
| Weighted average number of common shares during the period (in thousands) | 41,158 | 41,915 | 41,646 |
| Net income per share - basic . | \$ 2.04 | \$ 2.23 | \$ 2.50 |
| Diluted: |  |  |  |
| Net income for the period. | \$83,765 | \$ 93,482 | \$104,243 |
| Weighted average number of common shares during the period (in thousands) | 41,158 | 41,915 | 41,646 |
| Weighted average number of common equivalent shares to reflect the dilutive effect of common stock equivalent securities (in thousands): |  |  |  |
| Stock options. | 100 | 158 | 137 |
| Common stock units related to deferred compensation for employees. | 52 | 55 | 70 |
| Restricted common stock units related to incentive compensation | 166 | 297 | 378 |
| Total common and common equivalent shares adjusted to calculate diluted earnings per share (in thousands) | 41,476 | 42,425 | 42,231 |
| Net income per share - diluted .......................................................... | \$ 2.02 | \$ 2.20 | \$ 2.47 |

Options to purchase 413,406 shares of common stock at $\$ 31.01$ to $\$ 36.04$ per share were granted in 2015 through 2016 but were not included in the computation of 2016 diluted earnings per share because of their anti-dilutive effect as a result of the effect of unrecognized compensation cost. The options, which expire in 2025 through 2026, were still outstanding at December 31, 2016.

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

## Comprehensive Income (Loss) and Accumulated Other Comprehensive Income (Loss)

Comprehensive income (loss) represents the change in shareholders' equity during a reporting period from transactions and other events and circumstances from non-shareholder sources. For the Company, comprehensive income (loss) is equal to net income plus or minus the after tax change in net unrealized gains and losses on fixed maturities and equity securities and the after tax change in net funded status of benefit plans for the period as shown in the Consolidated Statements of Changes in Shareholders' Equity. Accumulated other comprehensive income (loss) represents the accumulated change in shareholders' equity from these transactions and other events and circumstances from non-shareholder sources as shown in the Consolidated Balance Sheets.

In the Consolidated Balance Sheets, the Company recognizes the funded status of benefit plans as a component of accumulated other comprehensive income (loss), net of tax.

Comprehensive Income (Loss)
The components of comprehensive income (loss) were as follows:

|  | Year Ended December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| Net income. | \$83,765 | \$ 93,482 | \$104,243 |
| Other comprehensive income (loss): |  |  |  |
| Change in net unrealized investment gains and losses on fixed maturities and equity securities: |  |  |  |
| Net unrealized investment gains and losses on fixed maturities and equity securities arising during the period | 6,144 | $(178,035)$ | 264,136 |
| Less: reclassification adjustment for net gains included in income before income tax.......... | 5,176 | 11,667 | 10,943 |
| Total, before tax | 968 | $(189,702)$ | 253,193 |
| Income tax expense (benefit) | 397 | $(67,315)$ | 89,629 |
| Total, net of tax | 571 | $(122,387)$ | 163,564 |
| Change in net funded status of benefit plan obligations: |  |  |  |
| Before tax.. | (37) | 1,815 | $(1,810)$ |
| Income tax expense (benefit)..................................................... | (14) | 656 | (633) |
| Total, net of tax. | (23) | 1,159 | $(1,177)$ |
| Total comprehensive income (loss)............................ | \$84,313 | \$ (27,746) | \$266,630 |

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

## Accumulated Other Comprehensive Income (Loss)

The following table reconciles the components of accumulated other comprehensive income (loss) for the periods indicated.

|  | Unrealized Gains and Losses on Fixed Maturities and Equity Securities (1)(2) | Defined <br> Benefit Plans (1) | Total (1) |
| :---: | :---: | :---: | :---: |
| Beginning balance, January 1, 2016 | \$ 175,167 | \$(11,794) | \$ 163,373 |
| Other comprehensive income (loss) before reclassifications............ | 3,935 | (23) | 3,912 |
| Amounts reclassified from accumulated other comprehensive income (loss) | $(3,364)$ | - | $(3,364)$ |
| Net current period other comprehensive income (loss) .................. | 571 | (23) | 548 |
| Ending balance, December 31, 2016 .................................................. | \$ 175,738 | \$(11,817) | \$163,921 |
| Beginning balance, January 1, 2015 | \$ 297,554 | \$(12,953) | \$ 284,601 |
| Other comprehensive income (loss) before reclassifications................ | $(114,803)$ | 1,159 | $(113,644)$ |
| Amounts reclassified from accumulated other comprehensive income (loss) | $(7,584)$ | - | $(7,584)$ |
| Net current period other comprehensive income (loss) ................. | $(122,387)$ | 1,159 | (121,228) |
| Ending balance, December 31, 2015 | \$ 175,167 | \$(11,794) | \$ 163,373 |
| Beginning balance, January 1, 2014 .................................................. | \$ 133,990 | \$(11,776) | \$ 122,214 |
| Other comprehensive income (loss) before reclassifications................ | 170,677 | $(1,177)$ | 169,500 |
| Amounts reclassified from accumulated other comprehensive income (loss) | $(7,113)$ | - | $(7,113)$ |
| Net current period other comprehensive income (loss) .................. | 163,564 | $(1,177)$ | 162,387 |
| Ending balance, December 31, 2014 ................................................. | \$ 297,554 | \$(12,953) | \$ 284,601 |

(1) All amounts are net of tax.
(2) The pretax amounts reclassified from accumulated other comprehensive income, $\$ 5,176, \$ 11,667$ and $\$ 10,943$, are included in net realized investment gains and losses and the related tax expenses, $\$ 1,812, \$ 4,083$ and $\$ 3,830$, are included in income tax expense in the Consolidated Statements of Operations for the years ended December 31, 2016, 2015 and 2014, respectively.

Comparative information for elements that are not required to be reclassified in their entirety to net income in the same reporting period is located in "Note 2 -- Investments -Unrealized Gains and Losses on Fixed Maturities and Equity Securities".

## Statements of Cash Flows

For purposes of the Consolidated Statements of Cash Flows, cash constitutes cash on deposit at banks.

## Reclassification and Retrospective Adoption

The Company has reclassified the presentation of certain prior period information to conform to the current year's presentation.

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

## Adopted Accounting Standards

## Disclosures About Short-Duration Insurance Contracts

Effective December 31, 2016, the Company adopted accounting guidance which requires expanded disclosure regarding claims on short-duration insurance contracts, which applies primarily to the contracts in the Company's Property and Casualty segment.

Presentation of Debt Issuance Costs
Effective January 1, 2016, the Company adopted accounting guidance which was issued to simplify the presentation of costs incurred to issue debt securities. The guidance requires debt issuance costs associated with specific debt securities to be presented in the balance sheet as a direct deduction from the carrying value of the associated debt liability, consistent with the presentation of a debt discount. Costs incurred related to line of credit arrangements continue to be presented as an asset in the Consolidated Balance Sheet. Also, the guidance does not affect the recognition and measurement of debt issuance costs. The guidance required retrospective application. As a result of this adoption, the following items in the Company's December 31, 2015 Consolidated Balance Sheet were each reduced by $\$ 2,371$ : Other assets, Total assets, Long-term debt, Total liabilities and Total liabilities and shareholders' equity. Net income per share (basic and diluted) did not change as a result of the adopted accounting change.

## Pending Accounting Standards

## Simplifying the Test for Goodwill Impairment

In January 2017, the Financial Accounting Standards Board ("FASB") issued guidance to simplify the accounting for goodwill impairment. The guidance removes Step 2 of the goodwill impairment test, which requires a hypothetical purchase price allocation. A goodwill impairment will now be the amount by which a reporting unit's carrying value exceeds its fair value, not to exceed the carrying amount of goodwill. All other goodwill impairment guidance will remain largely unchanged. Entities will continue to have the option to perform a qualitative assessment to determine if a quantitative impairment test is necessary. The same one-step impairment test will be applied to goodwill at all reporting units, even those with zero or negative carrying amounts. Entities will be required to disclose the amount of goodwill for reporting units with zero or negative carrying amounts. Public business entities should adopt the guidance prospectively for its annual or any interim goodwill impairment tests in fiscal years beginning after December 15, 2019. Early application is permitted. Management believes the adoption of this accounting guidance will not have a material effect on how it tests goodwill for impairment.

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

## Statement of Cash Flows -- Classification

In August 2016, the FASB issued guidance to reduce diversity in practice in the statement of cash flows between operating, investing and financing activities related to the classification of cash receipts and cash payments for eight specific issues. The FASB acknowledged that current GAAP either is unclear or does not include specific guidance on these eight cash flow classification issues: (1) debt prepayment or extinguishment costs; (2) settlement of zero-coupon bonds (pertains to issuers); (3) contingent consideration payments made after a business combination; (4) proceeds from the settlement of insurance claims (pertains to claimants); (5) proceeds from the settlement of corporate-owned life insurance policies; (6) distributions received from equity method investees; (7) beneficial interests in securitization transactions (pertains to transferors) and (8) separately identifiable cash flows and application of the predominance principle. For public business entities, the guidance is effective for annual reporting periods beginning after December 15, 2017, including interim periods within those years, using a retrospective approach. The guidance allows prospective adoption for individual issues if it is impracticable to apply the amendments retrospectively for those issues. Early application is permitted. Management believes the adoption of this accounting guidance will not have a material effect on the classifications in the Company's consolidated statement of cash flows. The adoption of this accounting guidance will not have any effect on the results of operations or financial position of the Company.

## Measurement of Credit Losses on Financial Instruments

In June 2016, the FASB issued guidance to improve financial reporting by requiring timelier recording of credit losses on loans and other financial instruments, including reinsurance receivables, held by companies. The new guidance replaces the incurred loss impairment methodology and requires an organization to measure and recognize all current expected credit losses ("CECL") for financial assets held at the reporting date based on historical experience, current conditions, and reasonable and supportable forecasts. Companies will need to utilize forward-looking information to better inform their credit loss estimates. Companies will continue to use judgment to determine which loss estimation method is appropriate for their circumstances. Credit losses related to available for sale debt securities -- which represent over $90 \%$ of Horace Mann's total investment portfolio -- will be recorded through an allowance for credit losses with this allowance having a limit equal to the amount by which fair value is below amortized cost. The guidance also requires enhanced qualitative and quantitative disclosures to provide additional information about the amounts recorded in the financial statements. For public business entities that are SEC filers, the guidance is effective for annual reporting periods beginning after December 15, 2019, including interim periods within those years, using a modified-retrospective approach. Early application is permitted for annual reporting periods, and interim periods within those years, beginning after December 15, 2018. Management is evaluating the impact this guidance will have on the results of operations and financial position of the Company.

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

## Employee Share-based Payment Accounting

In March 2016, the FASB issued guidance to simplify and improve the accounting for employee share-based payment transactions. Under the new guidance, several aspects of the accounting for share-based payment transactions are changed including: (1) the entire tax impact of the difference between a company's share-based payment deduction for tax purposes and the compensation cost recognized in the financial statements ("excess tax benefits") will be recorded in the income statement (the additional paid-in capital pool is eliminated) and classified with other income tax cash flows as an operating activity in the statement of cash flows; (2) election of an accounting policy regarding forfeitures, either retaining the current GAAP approach of estimating forfeitures or accounting for forfeitures when they occur; (3) companies may withhold up to the maximum individual statutory tax rate without triggering classification of the award as a liability; (4) cash paid to satisfy the statutory income tax withholding obligation is to be classified as a financing activity in the statement of cash flows; and (5) certain additional aspects which apply only to nonpublic entities. There are different approaches specified for transition to the new guidance encompassing prospective, retrospective and modified retrospective (cumulative-effect adjustment) approaches. The guidance is effective for annual reporting periods beginning after December 15, 2016, including interim periods within those years. Early application is permitted; however, all components of the guidance must be implemented at the same time. Management is evaluating the impact this guidance will have on the results of operations and financial position of the Company.

## Accounting for Leases

In February 2016, the FASB issued accounting and disclosure guidance to improve financial reporting and comparability among organizations about leasing transactions. Under the new guidance, for leases with lease terms of more than 12 months, a lessee will be required to recognize assets and liabilities on the balance sheet for the rights and obligations created by those leases. Consistent with current accounting guidance, the recognition, measurement and presentation of expenses and cash flows arising from a lease by a lessee primarily will depend on its classification as a finance or an operating lease. However, while current guidance requires only capital leases to be recognized on the balance sheet, the new guidance will require both operating and capital leases to be recognized on the balance sheet. In transition to the new guidance, companies are required to recognize and measure leases at the beginning of the earliest period presented using a modified retrospective approach. The guidance is effective for annual reporting periods beginning after December 15, 2018, including interim periods within those years. Early application is permitted. Management is evaluating the impact this guidance will have on the results of operations and financial position of the Company.

## NOTE 1 - Summary of Significant Accounting Policies-(Continued)

Recognition and Measurement of Financial Assets and Liabilities
In January 2016, the FASB issued accounting guidance to improve certain aspects of the recognition, measurement, presentation and disclosure of financial instruments. Among other things, this guidance requires public entities to measure equity investments (except those accounted for under the equity method of accounting or those that result in consolidation of the investee) at fair value with changes in fair value recognized in net income and to perform a qualitative assessment to identify impairment for equity investments without readily determinable fair values. Companies are required to apply this guidance by means of a cumulative-effect adjustment to the balance sheet as of the beginning of the year of adoption and, for the guidance related to equity securities without readily determinable fair values, companies are required to apply a prospective approach to equity investments that exist as of the date of adoption. The guidance is effective for annual reporting periods beginning after December 15, 2017, including interim periods within those years. Early application is permitted. The guidance will not have an impact on the Company's financial position and management is evaluating the impact that this guidance will have on the Company's results of operations.

## Revenue Recognition

In May 2014, the FASB issued accounting guidance to provide a single comprehensive model in accounting for revenue arising from contracts with customers. The guidance applies to all contracts with customers; however, insurance contracts are specifically excluded from this updated guidance. The guidance is effective for annual reporting periods beginning after December 15, 2017, including interim periods within those years. Early adoption is permitted only for annual reporting periods beginning after December 15, 2016. The Company plans to adopt the guidance as of January 1, 2018. Management believes the adoption of this accounting guidance will not have a material effect on the results of operations or financial position, and related disclosures, of the Company.

## NOTE 2 - Investments

The Company's investment portfolio includes free-standing derivative financial instruments (currently over the counter ("OTC") index call option contracts) to economically hedge risk associated with its fixed indexed annuity and indexed universal life products' contingent liabilities. The Company's fixed indexed annuity and indexed universal life products include embedded derivative features that are discussed in "Note 1 -- Summary of Significant Accounting Policies -- Investment Contract and Life Policy Reserves -- Reserves for Fixed Indexed Annuities and Indexed Universal Life Policies". The Company's investment portfolio included no other free-standing derivative financial instruments (futures, forwards, swaps, option contracts or other financial instruments with similar characteristics), and there were no other embedded derivative features related to the Company's insurance products during the three years ended December 31, 2016.

## Net Investment Income

The components of net investment income for the following periods were:

|  | Year Ended December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| Fixed maturities. | \$342,773 | \$326,207 | \$317,756 |
| Equity securities. | 4,703 | 4,355 | 4,849 |
| Short-term and other investments. | 9,668 | 9,187 | 8,459 |
| Other invested assets (equity method investments) ............................. | 13,609 | 1,984 | 7,229 |
| Total investment income ................................... | 370,753 | 341,733 | 338,293 |
| Investment expenses. | $(9,567)$ | $(9,133)$ | $(8,478)$ |
| Net investment income ................................................................. | \$361,186 | \$332,600 | \$329,815 |

## Realized Investment Gains (Losses)

Net realized investment gains (losses) for the following periods were:


The Company, from time to time, sells invested assets subsequent to the balance sheet date that were considered temporarily impaired at the balance sheet date. Such sales are due to issuer specific events occurring subsequent to the balance sheet date that result in a change in the Company's intent or ability to hold an invested asset. The types of events that may result in a sale include significant changes in the economic facts and circumstances related to the invested asset, significant unforeseen changes in liquidity needs, or changes in the Company's investment strategy.

## Fixed Maturities and Equity Securities

The Company's investment portfolio is comprised primarily of fixed maturity securities and also includes equity securities. The amortized cost or cost, net unrealized investment gains and losses, fair values and other-than-temporary impairment included in accumulated other comprehensive income (loss) ("AOCl") of all fixed maturities and equity securities in the portfolio were as follows:

|  | Amortized Cost/Cost | Unrealized Gains | Unrealized Losses | Fair Value | OTTI in AOCI (1) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| December 31, 2016 |  |  |  |  |  |
| Fixed maturity securities |  |  |  |  |  |
| U.S. Government and federally |  |  |  |  |  |
| Mortgage-backed securities ...... | \$ 412,891 | \$ 33,168 | \$ 3,640 | \$ 442,419 | \$ |
| Other, including |  |  |  |  |  |
| U.S. Treasury securities ............. | 458,745 | 18,518 | 10,120 | 467,143 | - |
| Municipal bonds | 1,648,252 | 143,733 | 22,588 | 1,769,397 | - |
| Foreign government bonds .................. | 93,864 | 5,102 | 297 | 98,669 | - |
| Corporate bonds | 2,672,818 | 152,229 | 14,826 | 2,810,221 | - |
| Other mortgage-backed securities ........ | 1,865,557 | 22,241 | 18,939 | 1,868,859 | 1,618 |
| Totals...................................... | \$7,152,127 | \$374,991 | \$70,410 | \$7,456,708 | \$ 1,618 |
| Equity securities (3) ............................... | \$ 134,013 | \$ 13,210 | \$ 5,574 | \$ 141,649 | \$ |
| December 31, 2015 |  |  |  |  |  |
| Fixed maturity securities |  |  |  |  |  |
| U.S. Government and federally |  |  |  |  |  |
| Mortgage-backed securities ........... | \$ 461,862 | \$ 44,413 | \$ 1,861 | \$ 504,414 | \$ |
| Other, including |  |  |  |  |  |
| U.S. Treasury securities ............. | 532,373 | 21,153 | 7,415 | 546,111 | - |
| Municipal bonds ................................ | 1,553,603 | 165,680 | 10,340 | 1,708,943 | $(4,140)$ |
| Foreign government bonds .................. | 67,441 | 6,288 | 112 | 73,617 | - |
| Corporate bonds ............................... | 2,687,376 | 140,873 | 48,834 | 2,779,415 | - |
| Other mortgage-backed securities ........ | 1,482,971 | 16,830 | 20,961 | 1,478,840 | 1,382 |
| Totals.................................... | \$6,785,626 | \$395,237 | \$89,523 | \$7,091,340 | \$(2,758) |
| Equity securities (3) ............................... | \$ 95,722 | \$ 8,405 | \$ 4,330 | \$ 99,797 | \$ |

[^0]
## NOTE 2 - Investments-(Continued)

The following table presents the fair value and gross unrealized losses of fixed maturities and equity securities in an unrealized loss position at December 31, 2016 and 2015, respectively. The Company views the decrease in value of all of the securities with unrealized losses at December 31, 2016 -- which was driven largely by changes in interest rates, spread widening, financial market illiquidity and/or market volatility from the date of acquisition -- as temporary. For fixed maturity securities, management does not have the intent to sell the securities and it is not more likely than not the Company will be required to sell the securities before the anticipated recovery of the amortized cost bases, and management expects to recover the entire amortized cost bases of the fixed maturity securities. For equity securities, the Company has the ability and intent to hold the securities for the recovery of cost and recovery of cost is expected within a reasonable period of time. Therefore, no impairment of these securities was recorded at December 31, 2016.


December 31, 2015
Fixed maturity securities U.S. Government and federally sponsored agency obligations:

| sponsored agency obligations: |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mortgage-backed securities Other | $\begin{array}{rr} \$ 48,097 \\ 248,478 \end{array}$ | \$ 1,748 7,338 | $\begin{array}{ll} \$ & 1,595 \\ & 1,921 \end{array}$ | $\begin{array}{r} \$ 113 \\ 77 \end{array}$ | $\begin{array}{r} 49,692 \\ 250,399 \end{array}$ | $\begin{array}{r} \$ 1,861 \\ 7,415 \end{array}$ |
| Municipal bonds | 168,939 | 5,382 | 21,717 | 4,958 | 190,656 | 10,340 |
| Foreign government bonds | 11,867 | 112 | - | - | 11,867 | 112 |
| Corporate bonds | 858,647 | 37,244 | 50,340 | 11,590 | 908,987 | 48,834 |
| Other mortgage-backed securities .. | 929,268 | 19,165 | 140,561 | 1,796 | 1,069,829 | 20,961 |
| Total fixed maturity securities | 2,265,296 | 70,989 | 216,134 | 18,534 | 2,481,430 | 89,523 |
| Equity securities (1) | 38,764 | 3,022 | 8,379 | 1,308 | 47,143 | 4,330 |
| Combined totals ............ | \$2,304,060 | \$74,011 | \$224,513 | \$19,842 | \$2,528,573 | \$93,853 |
| Number of positions with a gross unrealized loss | 684 |  | 78 |  | 762 |  |
| Fair value as a percentage of total fixed maturities and equity securities fair value. | 32.0\% |  | 3.1\% |  | 35.1\% |  |


| sponsored agency obligations: |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mortgage-backed securities Other | $\begin{array}{rr} \$ 48,097 \\ 248,478 \end{array}$ | \$ 1,748 7,338 | $\begin{array}{ll} \$ & 1,595 \\ & 1,921 \end{array}$ | $\begin{array}{r} \$ 113 \\ 77 \end{array}$ | $\begin{array}{r} 49,692 \\ 250,399 \end{array}$ | $\begin{array}{r} \$ 1,861 \\ 7,415 \end{array}$ |
| Municipal bonds | 168,939 | 5,382 | 21,717 | 4,958 | 190,656 | 10,340 |
| Foreign government bonds | 11,867 | 112 | - | - | 11,867 | 112 |
| Corporate bonds | 858,647 | 37,244 | 50,340 | 11,590 | 908,987 | 48,834 |
| Other mortgage-backed securities .. | 929,268 | 19,165 | 140,561 | 1,796 | 1,069,829 | 20,961 |
| Total fixed maturity securities | 2,265,296 | 70,989 | 216,134 | 18,534 | 2,481,430 | 89,523 |
| Equity securities (1) | 38,764 | 3,022 | 8,379 | 1,308 | 47,143 | 4,330 |
| Combined totals ............ | \$2,304,060 | \$74,011 | \$224,513 | \$19,842 | \$2,528,573 | \$93,853 |
| Number of positions with a gross unrealized loss | 684 |  | 78 |  | 762 |  |
| Fair value as a percentage of total fixed maturities and equity securities fair value. | 32.0\% |  | 3.1\% |  | 35.1\% |  |


| sponsored agency obligations: |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mortgage-backed securities Other | $\begin{array}{rr} \$ 48,097 \\ 248,478 \end{array}$ | \$ 1,748 7,338 | $\begin{array}{ll} \$ & 1,595 \\ & 1,921 \end{array}$ | $\begin{array}{r} \$ 113 \\ 77 \end{array}$ | $\begin{array}{r} 49,692 \\ 250,399 \end{array}$ | $\begin{array}{r} \$ 1,861 \\ 7,415 \end{array}$ |
| Municipal bonds | 168,939 | 5,382 | 21,717 | 4,958 | 190,656 | 10,340 |
| Foreign government bonds | 11,867 | 112 | - | - | 11,867 | 112 |
| Corporate bonds | 858,647 | 37,244 | 50,340 | 11,590 | 908,987 | 48,834 |
| Other mortgage-backed securities .. | 929,268 | 19,165 | 140,561 | 1,796 | 1,069,829 | 20,961 |
| Total fixed maturity securities | 2,265,296 | 70,989 | 216,134 | 18,534 | 2,481,430 | 89,523 |
| Equity securities (1) | 38,764 | 3,022 | 8,379 | 1,308 | 47,143 | 4,330 |
| Combined totals ............ | \$2,304,060 | \$74,011 | \$224,513 | \$19,842 | \$2,528,573 | \$93,853 |
| Number of positions with a gross unrealized loss | 684 |  | 78 |  | 762 |  |
| Fair value as a percentage of total fixed maturities and equity securities fair value. | 32.0\% |  | 3.1\% |  | 35.1\% |  |


| sponsored agency obligations: |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mortgage-backed securities Other | $\begin{array}{rr} \$ 48,097 \\ 248,478 \end{array}$ | \$ 1,748 7,338 | $\begin{array}{ll} \$ & 1,595 \\ & 1,921 \end{array}$ | $\begin{array}{r} \$ 113 \\ 77 \end{array}$ | $\begin{array}{r} 49,692 \\ 250,399 \end{array}$ | $\begin{array}{r} \$ 1,861 \\ 7,415 \end{array}$ |
| Municipal bonds | 168,939 | 5,382 | 21,717 | 4,958 | 190,656 | 10,340 |
| Foreign government bonds | 11,867 | 112 | - | - | 11,867 | 112 |
| Corporate bonds | 858,647 | 37,244 | 50,340 | 11,590 | 908,987 | 48,834 |
| Other mortgage-backed securities .. | 929,268 | 19,165 | 140,561 | 1,796 | 1,069,829 | 20,961 |
| Total fixed maturity securities | 2,265,296 | 70,989 | 216,134 | 18,534 | 2,481,430 | 89,523 |
| Equity securities (1) | 38,764 | 3,022 | 8,379 | 1,308 | 47,143 | 4,330 |
| Combined totals ............ | \$2,304,060 | \$74,011 | \$224,513 | \$19,842 | \$2,528,573 | \$93,853 |
| Number of positions with a gross unrealized loss | 684 |  | 78 |  | 762 |  |
| Fair value as a percentage of total fixed maturities and equity securities fair value. | 32.0\% |  | 3.1\% |  | 35.1\% |  |

Mortgage-backed securities .

Number of positions with a gross unrealized loss ...................... 684

78
Fair value as a percentage of total fixed maturities and equity securities fair value
32.0\%
3.1\%

762
Municipal bonds $\qquad$
.
4.0\%
30.3\%

[^1]
## NOTE 2 - Investments-(Continued)

Fixed maturities and equity securities with an investment grade rating represented $88 \%$ of the gross unrealized loss as of December 31, 2016. With respect to fixed maturity securities involving securitized financial assets, the underlying collateral cash flows were stress tested to determine there was no adverse change in the present value of cash flows below the amortized cost basis.

## Credit Losses

The following table summarizes the cumulative amounts related to the Company's credit loss component of the other-than-temporary impairment losses on fixed maturity securities held as of December 31, 2016 and 2015 that the Company did not intend to sell as of those dates, and it was not more likely than not that the Company would be required to sell the securities before the anticipated recovery of the amortized cost bases, for which the non-credit portions of the other-than-temporary impairment losses were recognized in other comprehensive income (loss):

(1) The cumulative credit loss amounts exclude other-than-temporary impairment losses on securities held as of the periods indicated that the Company intended to sell or it was more likely than not that the Company would be required to sell the security before the recovery of the amortized cost basis.

## Maturities/Sales of Fixed Maturities and Equity Securities

The following table presents the distribution of the Company's fixed maturity securities portfolio by estimated expected maturity. Estimated expected maturities differ from contractual maturities, reflecting assumptions regarding borrowers' utilization of the right to call or prepay obligations with or without call or prepayment penalties. For structured securities, including mortgage-backed securities and other asset-backed securities, estimated expected maturities consider broker-dealer survey prepayment assumptions and are verified for consistency with the interest rate and economic environments.

|  | December 31, 2016 |  |  |
| :---: | :---: | :---: | :---: |
|  | Amortized Cost | Fair Value | Percent of Total Fair Value |
| Estimated expected maturity: |  |  |  |
| Due in 1 year or less.. | \$ 276,403 | \$ 290,811 | 3.9\% |
| Due after 1 year through 5 years | 2,051,674 | 2,140,074 | 28.7\% |
| Due after 5 years through 10 years ............................................... | 2,518,896 | 2,624,759 | 35.2\% |
| Due after 10 years through 20 years .............................................. | 1,397,499 | 1,454,057 | 19.5\% |
| Due after 20 years ....................................................................... | 907,655 | 947,007 | 12.7\% |
| Total .................................................................................... | \$7,152,127 | $\underline{\underline{\$ 7,456,708}}$ | 100.0\% |
| Average option-adjusted duration, in years......................................... | 5.9 |  |  |

## NOTE 2 - Investments-(Continued)

Proceeds received from sales of fixed maturities and equity securities, each determined using the specific identification method, and gross gains and gross losses realized as a result of those sales for each year were:

|  | Year Ended December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| Fixed maturity securities |  |  |  |
| Proceeds received. | \$429,251 | \$ 445,100 | \$261,696 |
| Gross gains realized | 15,915 | 22,476 | 13,224 |
| Gross losses realized. | $(4,163)$ | $(5,487)$ | $(6,325)$ |
| Equity securities |  |  |  |
| Proceeds received. | \$ 21,210 | \$ 31,621 | \$ 17,194 |
| Gross gains realized. | 2,869 | 6,604 | 3,206 |
| Gross losses realized | (935) | (672) | (482) |

## Net Unrealized Investment Gains and Losses on Fixed Maturities and Equity Securities

Net unrealized investment gains and losses are computed as the difference between fair value and amortized cost for fixed maturities or cost for equity securities. The following table reconciles the net unrealized investment gains and losses, net of tax, included in accumulated other comprehensive income (loss), before the impact on deferred policy acquisition costs:

|  | Year Ended December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| Net unrealized investment gains and losses on fixed maturity securities, net of tax |  |  |  |
|  |  |  |  |
| Beginning of period | \$198,714 | \$ 336,604 | \$146,489 |
| Change in unrealized investment gains and losses | 3,024 | $(131,202)$ | 195,413 |
| Reclassification of net realized investment (gains) losses to net income | $(3,760)$ | $(6,688)$ | $(5,298)$ |
| End of period. | \$197,978 | \$ 198,714 | \$336,604 |
| Net unrealized investment gains and losses on equity securities, net of tax |  |  |  |
|  |  |  |  |
| Beginning of period | \$ 2,649 | \$ 6,988 | \$ 4,618 |
| Change in unrealized investment gains and losses | 1,919 | $(3,443)$ | 4,185 |
| Reclassification of net realized investment (gains) losses to net income | 395 | (896) | $(1,815)$ |
| End of period. | \$ 4,963 | \$ 2,649 | \$ 6,988 |

## Investment in Entities Exceeding 10\% of Shareholders' Equity

At December 31, 2016 and 2015, there were no investments which exceeded 10\% of total shareholders' equity in entities other than obligations of the U.S. Government and federally sponsored government agencies and authorities.

## NOTE 2 - Investments-(Continued)

## Offsetting of Assets and Liabilities

The Company's derivative instruments (call options) are subject to enforceable master netting arrangements. Collateral support agreements associated with each master netting arrangement provide that the Company will receive or pledge financial collateral in the event minimum thresholds have been reached.

The following table presents the instruments that were subject to a master netting arrangement for the Company.

|  |  | Gross Amounts Offset in the | Net Amounts of Assets/ Liabilities Presented in the | Gross Amou in the C Balanc | s Not Offset olidated heets |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Gross Amounts | Consolidated <br> Balance <br> Sheets | Consolidated <br> Balance <br> Sheets | Financial Instruments | Cash Collateral Received | Net Amount |
| December 31, 2016 |  |  |  |  |  |  |
| Asset derivatives |  |  |  |  |  |  |
| Free-standing derivatives........... | \$8,694 | \$ | \$8,694 | \$ | \$8,824 | \$(130) |
| December 31, 2015 |  |  |  |  |  |  |
| Asset derivatives |  |  |  |  |  |  |
| Free-standing derivatives.......... | 2,501 | - | 2,501 | - | 2,617 | (116) |

## Deposits

At December 31, 2016 and 2015, fixed maturity securities with a fair value of $\$ 18,119$ and $\$ 18,312$, respectively, were on deposit with governmental agencies as required by law in various states in which the insurance subsidiaries of HMEC conduct business. In addition, at December 31, 2016 and 2015, fixed maturity securities with a fair value of $\$ 620,489$ and $\$ 621,077$, respectively, were on deposit with the Federal Home Loan Bank of Chicago ("FHLB") as collateral for amounts subject to funding agreements which were equal to $\$ 575,000$ at both of the respective dates. The deposited securities are included in "Fixed maturities" on the Company's Consolidated Balance Sheets.

## NOTE 3 - Fair Value of Financial Instruments

The Company is required under GAAP to disclose estimated fair values for certain financial and nonfinancial assets and liabilities. Fair values of the Company's insurance contracts other than annuity contracts are not required to be disclosed. However, the estimated fair values of liabilities under all insurance contracts are taken into consideration in the Company's overall management of interest rate risk through the matching of investment maturities with amounts due under insurance contracts.

Fair value is defined as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between knowledgeable, unrelated and willing market participants on the measurement date. In determining fair value, the Company utilizes valuation techniques that maximize the use of observable inputs and minimize the use of unobservable inputs. The Company categorizes its financial and nonfinancial assets and liabilities into a three-level hierarchy based on the priority of the inputs to the valuation technique. The three levels of inputs that may be used to measure fair value are:

Level 1 Unadjusted quoted prices in active markets for identical assets or liabilities. Level 1 assets and liabilities include fixed maturity and equity securities (both common stock and preferred stock) that are traded in an active exchange market, as well as U.S. Treasury securities.

Level 2 Unadjusted observable inputs other than Level 1 prices such as quoted prices for similar assets or liabilities; quoted prices in markets that are not active; or other inputs that are observable or can be corroborated by observable market data for the assets or liabilities. Level 2 assets and liabilities include fixed maturity securities (1) with quoted prices that are traded less frequently than exchange-traded instruments or (2) values based on discounted cash flows with observable inputs. This category generally includes certain U.S. Government and agency mortgage-backed securities, non-agency structured securities, corporate fixed maturity securities, preferred stocks and derivative securities.

Level 3 Unobservable inputs that are supported by little or no market activity and that are significant to the fair value of the assets or liabilities. Level 3 assets and liabilities include financial instruments whose value is determined using pricing models, certain discounted cash flow methodologies, or similar techniques, as well as instruments for which the determination of fair value requires significant management judgment or estimation and for which the significant inputs are unobservable. This category generally includes certain private debt and equity investments, as well as embedded derivatives.

When the inputs used to measure fair value fall within different levels of the hierarchy, the level within which the fair value measurement is categorized is based on the lowest level input that is significant to the fair value measurement in its entirety. As a result, a Level 3 fair value measurement may include inputs that are observable (Level 1 or Level 2) and unobservable (Level 3). Net transfers into or out of each of the three levels are reported as having occurred at the end of the reporting period in which the transfers were determined.

## NOTE 3 - Fair Value of Financial Instruments-(Continued)

The following discussion describes the valuation methodologies used for financial assets and financial liabilities measured at fair value. The techniques utilized in estimating the fair values are affected by the assumptions used, including discount rates and estimates of the amount and timing of future cash flows. The use of different methodologies, assumptions and inputs may have a material effect on the estimated fair values of the Company's securities holdings. Care should be exercised in deriving conclusions about the Company's business, its value or financial position based on the fair value information of financial and nonfinancial assets and liabilities presented below.

Fair value estimates are made at a specific point in time, based on available market information and judgments about the financial asset or financial liability, including estimates of timing, amount of expected future cash flows and the credit standing of the issuer. In some cases, the fair value estimates cannot be substantiated by comparison to independent markets. In addition, the disclosed fair value may not be realized in the immediate settlement of the financial asset or financial liability. The disclosed fair values do not reflect any premium or discount that could result from offering for sale at one time an entire holding of a particular financial asset or financial liability. In periods of market disruption, the ability to observe prices and inputs may be reduced for many instruments. This condition could cause an instrument to be reclassified from Level 1 to Level 2 or from Level 2 to Level 3. Potential taxes and other expenses that would be incurred in an actual sale or settlement are not reflected in amounts disclosed.

## Investments

For fixed maturity securities, each month the Company obtains fair value prices from its investment managers and custodian bank. Fair values for the Company's fixed maturity securities are based primarily on prices provided by its investment managers as well as its custodian bank for certain securities. The prices from the custodian bank are compared to prices from the investment managers. Differences in prices between the sources that the Company considers significant are researched and the Company utilizes the price that it considers most representative of an exit price. Both the investment managers and the custodian bank use a variety of independent, nationally recognized pricing sources to determine market valuations. Each designate specific pricing services or indexes for each sector of the market based upon the provider's expertise. Typical inputs used by these pricing sources include, but are not limited to, reported trades, benchmark yield curves, benchmarking of like securities, ratings designations, sector groupings, issuer spreads, bids, offers, and/or estimated cash flows and prepayment speeds.

When the pricing sources cannot provide fair value determinations, the Company obtains non-binding price quotes from broker-dealers. The broker-dealers' valuation methodology is sometimes matrix-based, using indicative evaluation measures and adjustments for specific security characteristics and market sentiment. The market inputs utilized in the evaluation measures and adjustments include: benchmark yield curves, reported trades, broker/dealer quotes, ratings and corresponding issuer spreads, two-sided markets, benchmark securities, bids, offers, reference data, and industry and economic events. The extent of the use of each market input depends on the market sector and the market conditions. Depending on the security, the priority of the use of inputs may change or some market inputs may not be relevant. For some securities, additional inputs may be necessary.

## NOTE 3 - Fair Value of Financial Instruments-(Continued)

The Company analyzes price and market valuations received to verify reasonableness, to understand the key assumptions used and their sources, to conclude the prices obtained are appropriate, and to determine an appropriate fair value hierarchy level based upon trading activity and the observability of market inputs. Based on this evaluation and investment class analysis, each security is classified into Level 1,2 , or 3 . The Company has in place certain control processes to determine the reasonableness of the financial asset fair values. These processes are designed to ensure (1) the values received are reasonable and accurately recorded, (2) the data inputs and valuation techniques utilized are appropriate and consistently applied, and (3) the assumptions are reasonable and consistent with the objective of determining fair value. For example, on a continuing basis, the Company assesses the reasonableness of individual security values received from pricing sources that vary from certain thresholds.

The Company's fixed maturity securities portfolio is primarily publicly traded, which allows for a high percentage of the portfolio to be priced through pricing services. Approximately $90 \%$ of the portfolio, based on fair value, was priced through pricing services or index priced as of both December 31, 2016 and 2015. The remainder of the portfolio was priced by broker-dealers or pricing models. When non-binding broker-dealer quotes could be corroborated by comparison to other vendor quotes, pricing models or analyses, the securities were generally classified as Level 2, otherwise they were classified as Level 3. There were no significant changes to the valuation process during 2016.

At December 31, 2016, all of the equity securities portfolio was priced from observable market quotations. Fair values of equity securities have been determined by the Company from observable market quotations, when available. When a public quotation is not available, equity securities are valued by using non-binding broker quotes or through the use of pricing models or analyses that are based on market information regarding interest rates, credit spreads and liquidity. The underlying source data for calculating the matrix of credit spreads relative to the U.S. Treasury curve are nationally recognized indices. In addition, credit rating (or credit quality equivalent information) of securities is also factored into a pricing matrix. These inputs are based on assumptions deemed appropriate given the circumstances and are believed to be consistent with what other market participants would use when pricing such securities. There were no significant changes to the valuation process in 2016.

Short-term and other investments are comprised of short-term fixed maturity securities, derivative instruments (all call options), policy loans, mortgage loans, and restricted FHLB membership and activity stocks, as well as certain alternative investments which are accounted for using the equity method and therefore excluded from the fair value tabular disclosures.

## NOTE 3 - Fair Value of Financial Instruments-(Continued)

In summary, the following investments are carried at fair value:

- Fixed maturity securities, as described above.
- Equity securities, as described above.
- Short-term fixed maturity securities -- Because of the nature of these assets, carrying amounts generally approximate fair values.
- Derivative instruments, all call options -- Fair values are based on the amount of cash expected to be received to settle each derivative instrument on the reporting date. These amounts are obtained from each of the counterparties using industry accepted valuation models and observable inputs. Significant inputs include contractual terms, underlying index prices, market volatilities, interest rates and dividend yields.
- FHLB membership and activity stocks -- Fair value is based on redemption value, which is equal to par value.

The following investments are not carried at fair value; disclosure is provided:

- Policy loans -- Fair value is based on estimates using discounted cash flow analysis and current interest rates being offered for new loans.
- Mortgage loans -- Fair value is estimated by discounting the future cash flows using the current rates at which similar loans would be made to borrowers with similar credit ratings and the same remaining maturities.


## Investment Contract and Life Policy Reserves

The fair values of fixed annuity contract liabilities and policyholder account balances on life contracts are equal to the discounted estimated future cash flows (using the Company's current interest rates for similar products including consideration of minimum guaranteed interest rates). The Company carries these financial liabilities at cost.

Also included in investment contract and life policy reserves are embedded derivatives related to the Company's indexed universal life product, which was introduced in October 2015. The fair value of these embedded derivatives is estimated to be equal to the fair value of the current call options purchased to hedge the liability. The Company carries these embedded derivatives at fair value.

## NOTE 3 - Fair Value of Financial Instruments-(Continued)

## Other Policyholder Funds

Other policyholder funds are liabilities related to supplementary contracts without life contingencies and dividend accumulations, as well as balances outstanding under funding agreements with the FHLB and embedded derivatives related to fixed indexed annuities ("FIA"). Except for embedded derivatives, each of these components is carried at cost, which management believes is a reasonable estimate of fair value due to the relatively short duration of these items, based on the Company's past experience.

The fair value of the embedded derivatives, all related to the Company's FIA products, is estimated at each valuation date by (1) projecting policy contract values and minimum guaranteed contract values over the expected lives of the contracts and (2) discounting the excess of the projected contract value amounts at the applicable risk free interest rates adjusted for the Company's nonperformance risk related to those liabilities. The projections of policy contract values are based on the Company's best estimate assumptions for future contract growth and decrements. The assumptions for future contract growth include the expected index credits which are derived from the fair values of the underlying call options purchased to fund such index credits and the expected costs of annual call options that will be purchased in the future to fund index credits beyond the next contract anniversary. Projections of minimum guaranteed contract values include the same best estimate assumptions for contract decrements used to project policy contract values.

Long-term Debt
The Company carries long-term debt at amortized cost. The fair value of long-term debt is estimated based on unadjusted quoted market prices of the Company's securities or unadjusted market prices based on similar publicly traded issues when trading activity for the Company's securities is not sufficient to provide a market price.

## NOTE 3 - Fair Value of Financial Instruments-(Continued)

## Financial Instruments Measured and Carried at Fair Value

The following table presents the Company's fair value hierarchy for those assets and liabilities measured and carried at fair value on a recurring basis. At December 31, 2016, these Level 3 invested assets comprised approximately $2.7 \%$ of the Company's total investment portfolio fair value.


The Company did not have any other transfers between Levels 1 and 2 during the years ended December 31, 2016 and 2015. The following tables present reconciliations for the periods indicated for all Level 3 assets and liabilities measured at fair value on a recurring basis.

|  | Financial Assets |  |  |  |  |  |  | Financial Liabilities(1) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Municipal Bonds | Corporate Bonds | Other MortgageBacked Securities (2) | Total Fixed Maturities | Equity Securities | Short-term Investments | Total |  |
| Beginning balance, January 1, $2016 \ldots$ | \$30,379 | \$ 67,575 | \$ 75,466 | \$173,420 | \$ 6 | \$ - | \$173,426 | \$39,021 |
| Transfers into Level 3 (3) ............... | 17,710 | 27,561 | 39,128 | 84,399 | - | 751 | 85,150 | - |
| Transfers out of Level 3 (3) ............ | - | $(14,334)$ | $(6,694)$ | $(21,028)$ | - | - | $(21,028)$ | - |
| Total gains or losses |  |  |  |  |  |  |  |  |
| Net realized investment gains (losses) included in net income related to financial assets $\qquad$ | - | $(1,833)$ | (56) | $(1,889)$ | - | - | $(1,889)$ | - |
| Net realized (gains) losses included in net income related to financial liabilities..... | - | - | - | - | - | - | - | 5,011 |
| Net unrealized investment gains (losses) included in other comprehensive income | (990) | (205) | 5,895 | 4,700 | - | - | 4,700 | - |
| Purchases. | - | - | - | - | - | - | - |  |
| Issuances.................................... | - | - | - | - | - | - | - | 17,113 |
| Sales.......................................... | - | - | - | - | - | - | - | - |
| Settlements | - | - | - | - | - | - | - | - |
| Paydowns, maturities and distributions | (602) | $(18,573)$ | $(9,080)$ | $(28,255)$ | - | - | $(28,255)$ | $(1,752)$ |
| Ending balance, December 31, 2016 .. | \$46,497 | \$60,191 | \$104,659 | \$211,347 | \$ 6 | $\underline{\$ 751}$ | \$212,104 | \$59,393 |
| Beginning balance, January 1, $2015 \ldots$ | \$13,628 | \$ 74,717 | \$ 82,949 | \$171,294 | \$ 6 | \$ | \$171,300 | \$20,049 |
| Transfers into Level 3 (3) ............... | 16,326 | 5,729 | 15,685 | 37,740 | - | - | 37,740 | - |
| Transfers out of Level 3 (3) ............ | - | $(1,351)$ | $(9,663)$ | $(11,014)$ | - | - | $(11,014)$ | - |
| Total gains or losses |  |  |  |  |  |  |  |  |
| Net realized investment gains (losses) included in net income related to financial assets $\qquad$ | - | 1,087 | - | 1,087 | (3) | - | 1,084 | - |
| Net realized (gains) losses included in net income related to financial liabilities..... | - | - | - | - | - | - | - | $(2,528)$ |
| Net unrealized investment gains (losses) included in other comprehensive income $\qquad$ | 782 | $(1,935)$ | (854) | $(2,007)$ | 4 | - | $(2,003)$ | - |
| Purchases... | - | - | - | - | - | - | - | - |
| Issuances.. | - | - | - | - | - | - | - | 23,595 |
| Sales. | - | (476) | - | (476) | (1) | - | (477) | - |
| Settlements. | - | - | - | - | - | - | - | - |
| Paydowns, maturities and distributions | (357) | $(10,196)$ | $(12,651)$ | $(23,204)$ | - | - | $(23,204)$ | $(2,095)$ |
| Ending balance, December 31, 2015 .. | \$30,379 | \$67,575 | \$ 75,466 | \$173,420 | \$ 6 | \$ | \$173,426 | \$39,021 |

[^2]At December 31, 2016, the Company impaired a Level 3 security for a $\$ 1,833$ realized loss. At December 31, 2015, there were no net realized investment gains or losses included in earnings that were attributable to changes in the fair value of Level 3 assets still held. For the years ended December 31, 2016 and 2015, realized gains/(losses) of (\$5,011) and \$2,528, respectively, were included in earnings that were attributable to the changes in the fair value of Level 3 liabilities (embedded derivatives) still held.

## NOTE 3 - Fair Value of Financial Instruments-(Continued)

The valuation techniques and significant unobservable inputs used in the fair value measurement for financial assets classified as Level 3 are subject to the control processes as previously described in this note for "Investments". Generally, valuation techniques for fixed maturity securities include spread pricing, matrix pricing and discounted cash flow methodologies; include inputs such as quoted prices for identical or similar securities that are less liquid; and are based on lower levels of trading activity than securities classified as Level 2. The valuation techniques and significant unobservable inputs used in the fair value measurement for equity securities classified as Level 3 use similar valuation techniques and significant unobservable inputs as those used for fixed maturities.

The sensitivity of the estimated fair values to changes in the significant unobservable inputs for fixed maturities and equity securities included in Level 3 generally relates to interest rate spreads, illiquidity premiums and default rates. Significant spread widening in isolation will adversely impact the overall valuation, while significant spread tightening will lead to substantial valuation increases. Significant increases (decreases) in illiquidity premiums in isolation will result in substantially lower (higher) valuations. Significant increases (decreases) in expected default rates in isolation will result in substantially lower (higher) valuations.

## Financial Instruments Not Carried at Fair Value; Disclosure Required

The Company has various other financial assets and financial liabilities used in the normal course of business that are not carried at fair value, but for which fair value disclosure is required. The following table presents the carrying value, fair value and fair value hierarchy of these financial assets and financial liabilities.


## NOTE 4 - Derivative Instruments

In February 2014, the Company began offering fixed indexed annuity products ("FIA"), which are deferred fixed annuities that guarantee the return of principal to the contractholder and credit interest based on a percentage of the gain in a specified market index. In October 2015, the Company began offering indexed universal life products ("IUL"), which also credit interest based on a percentage of the gain in a specified market index. When deposits are received for FIA and IUL contracts, a portion is used to purchase derivatives consisting of call options on the applicable market indices to fund the index credits due to FIA and IUL policyholders. For the Company, substantially all such call options are one-year options purchased to match the funding requirements of the underlying contracts. The call options are carried at fair value with the change in fair value included in Net realized investment gains and losses, a component of revenues, in the Consolidated Statements of Operations.

The change in fair value of derivatives includes the gains or losses recognized at the expiration of the option term or early termination and the changes in fair value for open positions. Call options are not purchased to fund the index liabilities which may arise after the next deposit anniversary date. On the respective anniversary dates of the indexed deposits, the index used to compute the annual index credit is reset and new one-year call options are purchased to fund the next annual index credit. The cost of these purchases is managed through the terms of the FIA and IUL contracts, which permit changes to index return caps, participation rates and/or asset fees, subject to guaranteed minimums on each contract's anniversary date. By adjusting the index return caps, participation rates or asset fees, crediting rates generally can be managed except in cases where the contractual features would prevent further modifications.

The future annual index credits on fixed indexed annuities are treated as a "series of embedded derivatives" over the expected life of the applicable contract with a corresponding reserve recorded. For the indexed universal life contract, the embedded derivative represents a single year liability for the index return.

The Company carries all derivative instruments as assets or liabilities in the Consolidated Balance Sheets at fair value. The Company elected to not use hedge accounting for derivative transactions related to the FIA and IUL products. As a result, the Company records the purchased call options and the embedded derivatives related to the provision of a contingent return at fair value, with changes in the fair value of the derivatives recognized immediately in the Consolidated Statements of Operations. The fair values of derivative instruments, including derivative instruments embedded in FIA and IUL contracts, presented in the Consolidated Balance Sheets were as follows:

|  | December 31, |  |
| :---: | :---: | :---: |
|  | 2016 | 2015 |
| Assets |  |  |
| Derivative instruments, included in Short-term and other investments. | \$ 8,694 | \$ 2,501 |
| Liabilities |  |  |
| Fixed indexed annuities - embedded derivatives, included in Other policyholder funds $\qquad$ | 59,393 | 39,021 |
| Indexed universal life - embedded derivatives, included in Investment contract and life policy reserves | 158 | 14 |

## NOTE 4 - Derivative Instruments-(Continued)

In general, the change in the fair value of the embedded derivatives related to the fixed indexed annuities will not correspond to the change in fair value of the purchased call options because the purchased call options are one-year options while the options valued in those embedded derivatives represent the rights of the policyholder to receive index credits over the entire period the fixed indexed annuities are expected to be in force, which typically exceeds 10 years. The changes in fair value of derivatives included in the Consolidated Statements of Operations were as follows:

|  | Year Ended December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| Change in fair value of derivatives (1): |  |  |  |
|  |  |  |  |
| Net realized investment gains (losses). | \$ 4,024 | \$(1,483) | \$ 995 |
| Change in fair value of embedded derivatives: |  |  |  |
| Revenues |  |  |  |
| Net realized investment gains (losses).. | $(5,076)$ | 2,529 | $(1,157)$ |

(1) Includes the gains or losses recognized at the expiration of the option term or early termination and the changes in fair value for open options.

The Company's strategy attempts to mitigate potential risk of loss under these agreements through a regular monitoring process, which evaluates the program's effectiveness. The Company is exposed to risk of loss in the event of nonperformance by the counterparties and, accordingly, option contracts are purchased from multiple counterparties, which are evaluated for creditworthiness prior to purchase of the contracts. All of these options have been purchased from nationally recognized financial institutions with a Standard and Poor's/Moody's long-term credit rating of "BBB+/Baa1" or higher at the time of purchase and the maximum credit exposure to any single counterparty is subject to concentration limits. The Company also obtains credit support agreements that allow it to request the counterparty to provide collateral when the fair value of the exposure to the counterparty exceeds specified amounts.

The notional amount and fair value of call options by counterparty and each counterparty's long-term credit ratings were as follows:

| Counterparty | December 31, 2016 |  |  |  | December 31, 2015 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Credit Rating (1) |  | Notional Amount | Fair Value | Notional Amount | Fair Value |
|  | S\&P | Moody's |  |  |  |  |
| Bank of America, N.A.. | A+ | A1 | \$ 38,500 | \$1,934 | \$ 17,000 | \$ 5 |
| Barclays Bank PLC..................... | A- | A1 | 66,800 | 1,543 | 7,600 | 137 |
| Citigroup Inc.............................. | BBB+ | Baa1 | - | - | 17,300 | 845 |
| Credit Suisse International........... | A | A1 | 65,200 | 4,281 | 12,000 | 167 |
| Societe Generale ....................... | A | A2 | 15,600 | 936 | 80,800 | 1,347 |
| Total...................................... |  |  | \$186,100 | \$8,694 | \$134,700 | \$2,501 |

[^3]
## NOTE 4 - Derivative Instruments-(Continued)

As of December 31, 2016 and 2015, the Company held $\$ 8,824$ and $\$ 2,617$, respectively, of cash received from counterparties for derivative collateral, which is included in Other liabilities on the Consolidated Balance Sheets. This derivative collateral limits the Company's maximum amount of economic loss due to credit risk that would be incurred if parties to the call options failed completely to perform according to the terms of the contracts to $\$ 250$ per counterparty.

## NOTE 5 - Property and Casualty Unpaid Claims and Claim Expenses

The following table is a summary reconciliation of the beginning and ending Property and Casualty unpaid claims and claim expense reserves for the periods indicated. The table presents reserves on both gross and net (after reinsurance) bases. The total net Property and Casualty insurance claims and claim expense incurred amounts are reflected in the Consolidated Statements of Operations. The end of the year gross reserve (before reinsurance) balances and the reinsurance recoverable balances are reflected on a gross basis in the Consolidated Balance Sheets.

|  | Year Ended December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| Property and Casualty segment |  |  |  |
| Gross reserves, beginning of year (1). | \$301,569 | \$311,097 | \$275,809 |
| Less: reinsurance recoverables | 50,332 | 43,740 | 14,107 |
| Net reserves, beginning of year (2). | 251,237 | 267,357 | 261,702 |
| Incurred claims and claim expenses: |  |  |  |
| Claims occurring in the current year. | 471,099 | 432,811 | 416,512 |
| Decrease in estimated reserves for claims occurring in prior years (3).. | $(7,000)$ | $(12,500)$ | $(17,000)$ |
| Total claims and claim expenses incurred (4). | 464,099 | 420,311 | 399,512 |
| Claims and claim expense payments for claims occurring during: |  |  |  |
| Current year. | 323,025 | 294,449 | 273,699 |
| Prior years ..................................................................................... | 145,753 | 141,982 | 120,158 |
| Total claims and claim expense payments ........................................ | 468,778 | 436,431 | 393,857 |
| Net reserves, end of year (2)................................................................... | 246,558 | 251,237 | 267,357 |
| Plus: reinsurance recoverables | 61,199 | 50,332 | 43,740 |
| Gross reserves, end of year (1). | \$307,757 | \$301,569 | \$311,097 |

(1) Unpaid claims and claim expenses as reported in the Consolidated Balance Sheets also include reserves for the Life and Retirement segments of \$22,131, \$22,151 and \$14,687 as of December 31, 2016, 2015 and 2014, respectively, in addition to Property and Casualty segment reserves.
(2) Reserves net of anticipated reinsurance recoverables.
(3) Shows the amounts by which the Company decreased its reserves in each of the periods indicated for claims occurring in previous periods to reflect subsequent information on such claims and changes in their projected final settlement costs. Also refer to the paragraphs below for additional information regarding the reserve development recorded in 2016, 2015 and 2014.
(4) Benefits, claims and settlement expenses as reported in the Consolidated Statements of Operations also include amounts for the Life and Retirement segments of $\$ 76,905, \$ 76,053$ and $\$ 68,914$ for the years ended December 31, 2016, 2015 and 2014, respectively, in addition to the Property and Casualty segment amounts.

## NOTE 5 - Property and Casualty Unpaid Claims and Claim Expenses-(Continued)

Underwriting results of the Property and Casualty segment are significantly influenced by estimates of the Company's ultimate liability for insured events. There is a high degree of uncertainty inherent in the estimates of ultimate losses underlying the liability for unpaid claims and claim settlement expenses. This inherent uncertainty is particularly significant for liabilityrelated exposures due to the extended period, often many years, that transpires between a loss event, receipt of related claims data from policyholders and ultimate settlement of the claim. Reserves for Property and Casualty claims include provisions for payments to be made on reported claims ("case reserves"), claims incurred but not yet reported ("IBNR") and associated settlement expenses (together, "loss reserves"). The process by which these reserves are established requires reliance upon estimates based on known facts and on interpretations of circumstances, including the Company's experience with similar cases and historical trends involving claim payments and related patterns, pending levels of unpaid claims and product mix, as well as other factors including court decisions, economic conditions, public attitudes and medical costs.

The Company believes the Property and Casualty loss reserves are appropriately established based on available facts, laws, and regulations. The Company calculates and records a single best estimate of the reserve (which is equal to the actuarial point estimate) as of each balance sheet date, for each line of business and its coverages for reported losses and for IBNR losses and as a result believes no other estimate is better than the recorded amount. Due to uncertainties involved, the ultimate cost of losses may vary materially from recorded amounts.

The Company continually updates loss estimates using both quantitative and qualitative information from its reserving actuaries and information derived from other sources. Adjustments may be required as information develops which varies from experience, or, in some cases, augments data which previously were not considered sufficient for use in determining liabilities. The effects of these adjustments may be significant and are charged or credited to income in the period in which the adjustments are made.

Numerous risk factors will affect more than one product line. One of these factors is changes in claim department practices, including claim closure rates, number of claims closed without payment, the use of third-party claim adjusters and the level of needed case reserve estimated by the adjuster. Other risk factors include changes in claim frequency, changes in claim severity, regulatory and legislative actions, court actions, changes in economic conditions and trends (e.g. medical costs, labor rates and the cost of materials), the occurrence of unusually large or frequent catastrophic loss events, timeliness of claim reporting, the state in which the claim occurred and degree of claimant fraud. The extent of the impact of a risk factor will also vary by coverages within a product line. Individual risk factors are also subject to interactions with other risk factors within product line coverages.

While all product lines are exposed to these risks, there are some loss types or product lines for which the financial effect will be more significant. For instance, given the relatively large proportion (approximately $80 \%$ as of December 31, 2016) of the Company's reserves that are in the longer-tail automobile liability coverages, regulatory and court actions, changes in economic conditions and trends, and medical costs could be expected to impact this product line more extensively than others.

## NOTE 5 - Property and Casualty Unpaid Claims and Claim Expenses-(Continued)

Reserves are established for claims as they occur for each line of business based on estimates of the ultimate cost to settle the claims. The actual loss results are compared to prior estimates and differences are recorded as reestimates. The primary actuarial techniques (development of paid loss dollars, development of reported loss dollars, methods based on expected loss ratios and methods utilizing frequency and severity of claims) used to estimate reserves and provide for losses are applied to actual paid losses and reported losses (paid losses plus individual case reserves set by claim adjusters) for an accident year to create an estimate of how losses are likely to develop over time.

An accident year refers to classifying claims based on the year in which the claim occurred. For estimating short-tail coverage reserves (e.g. homeowners and automobile physical damage), which comprise approximately $15 \%$ of the Company's total loss reserves as of December 31, 2016, the primary actuarial technique utilized is the development of paid loss dollars due to the relatively quick claim settlement period. As it relates to estimating long-tail coverage reserves (primarily related to automobile liability), which comprise approximately $85 \%$ of the Company's total loss reserves as of December 31, 2016, the primary actuarial technique utilized is the development of reported loss dollars due to the relatively long claim settlement period.

In all of the loss estimation techniques referred to above, a ratio (development factor) is calculated which compares current results to results in the prior period for each accident year. Various development factors, based on historical results, are multiplied by the current experience to estimate the development of losses of each accident year from the current time period into the next time period. The development factors for the next time period for each accident year are compounded over the remaining calendar years to calculate an estimate of ultimate losses for each accident year. Occasionally, unusual aberrations in loss patterns are caused by factors such as changes in claim reporting, settlement patterns, unusually large losses, process changes, legal or regulatory environment changes, and other influences. In these instances, analyses of alternate development factor selections are performed to evaluate the effect of these factors, and actuarial judgment is applied to make appropriate development factor assumptions needed to develop a best estimate of ultimate losses. Paid losses are then subtracted from estimated ultimate losses to determine the indicated loss reserves. The difference between indicated reserves and recorded reserves is the amount of reserve reestimate.

Reserves are reestimated quarterly. When new development factors are calculated from actual losses, and they differ from estimated development factors used in previous reserve estimates, assumptions about losses and required reserves are revised based on the new development factors. Changes to reserves are recorded in the period in which development factor changes result in reserve reestimates.

## NOTE 5 - Property and Casualty Unpaid Claims and Claim Expenses-(Continued)

Claim count estimates are also established for claims as they occur for each line of business based on estimates of the ultimate claim counts. (These counts are derived by counting the number of claimants by insurance coverage.) The primary actuarial techniques (development of paid claim counts, and development of reported claim counts) used to estimate ultimate claim counts are applied to actual paid claim counts and reported claim counts (paid claims plus individual unpaid claims set by claim adjusters) for an accident year to create an estimate of how claims are likely to develop over time. An accident year refers to classifying claims based on the year in which the claim occurred. The ultimate claim count generally gives equal consideration to the results of the two actuarial techniques described.

Occasionally, unusual aberrations in claim reporting patterns or claims payment patterns may occur. In these instances, analyses of alternate development factor selections are performed to evaluate the effect of these factors, and actuarial judgment is applied to make appropriate development factor assumptions needed to develop a best estimate of ultimate claims.

See tables on the following pages of Note 5 for details of the average annual percentage payout of incurred claims by age, also referred to as a history of claims duration and tables illustrating the incurred and paid claims development information by accident year on a net basis for the lines of Homeowners, Auto Liability, and Auto Physical Damage, which represents over 97\% of the Company's incurred losses for 2016.

Numerous actuarial estimates of the types described above are prepared each quarter to monitor losses for each line of business, including the line's individual coverages; for reported losses and IBNR. Often, several different estimates are prepared for each detailed component, incorporating alternative analyses of changing claim settlement patterns and other influences on losses, from which the Company selects the best estimate for each component, occasionally incorporating additional analyses and actuarial judgment, as described above. These estimates also incorporate the historical impact of inflation into reserve estimates, the implicit assumption being that a multi-year average development factor represents an adequate provision. Based on the Company's review of these estimates, as well as the review of the independent reserve studies, the best estimate of required reserves for each line of business, including the line's individual coverages, is determined by management and is recorded for each accident year, then the required reserves for each component are summed to create the reserve balances carried on the Company's Consolidated Balance Sheets.

Based on the Company's products and coverages, historical experience, and various actuarial methodologies used to develop reserve estimates, the Company estimates that the potential variability of the Property and Casualty loss reserves within a reasonable probability of other possible outcomes may be approximately plus or minus $6 \%$ of reserves, which equates to plus or minus approximately \$10,000 of net income as of December 31, 2016. Although this evaluation reflects the most likely outcomes, it is possible the final outcome may fall below or above these estimates.

## NOTE 5 - Property and Casualty Unpaid Claims and Claim Expenses-(Continued)

Net favorable development of total reserves for Property and Casualty claims occurring in prior years was $\$ 17,000$ in $2014, \$ 12,500$ in 2015 and $\$ 7,000$ in 2016. The favorable development in 2014 was predominantly the result of favorable frequency and severity trends in automobile liability loss emergence for accident years 2011 and prior. In 2015, the favorable development was predominantly the result of favorable frequency and severity trends in automobile liability loss emergence for accident years 2013 and prior, as well as favorable severity trends in property for accident years 2013 and prior. In 2016, the favorable development was predominantly the result of favorable severity trends in property for accident years 2014 and prior.

The Company completes a detailed study of Property and Casualty reserves based on information available at the end of each quarter and year. Trends of reported losses (paid amounts and case reserves on claims reported to the Company) for each accident year are reviewed and ultimate loss costs for those accident years are estimated. The Company engages an independent property and casualty actuarial consulting firm to prepare an independent study of the Company's Property and Casualty reserves at December 31 of each year. The result of the independent actuarial study at December 31, 2016 was consistent with management's analysis and selected estimates and did not result in any adjustments to the Company's recorded Property and Casualty reserves.

At the time each of the reserve analyses was performed, the Company believed that each estimate was based upon sound methodology and such methodologies were appropriately applied and that there were no trends which indicated the likelihood of future loss reserve development. The financial impact of the net reserve development was therefore accounted for in the period that the development was determined.

No other adjustments were made in the determination of the liabilities during the periods covered by these consolidated financial statements. Management believes that, based on data currently available, it has reasonably estimated the Company's ultimate losses.

Below is the average annual percentage payout of incurred claims by age, also referred to as a history of claims duration:

| Average Annual Percentage Payout of Incurred Claims by Age, Net of Reinsurance |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Years | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Homeowners ................... | 76.8\% | 18.4\% | 2.8\% | 1.4\% | 0.7\% | 0.2\% | 0.1\% | - | 0.1\% | - |
| Auto liability .. | 41.0\% | 34.3\% | 13.8\% | 6.3\% | 2.4\% | 1.0\% | 0.4\% | 0.2\% | 0.1\% | 0.1\% |
| Auto physical damage ....... | 95.1\% | 4.9\% | - | - | - | - | - | - | - | - |

The following tables illustrate the incurred and paid claims development by accident year on a net basis for the lines of homeowners, auto liability and auto physical damage. Conditions and trends that have affected the development of these reserves in the past will not necessarily recur in the future. It may not be appropriate to use this cumulative history in the projection of future performance.

NOTE 5 - Property and Casualty Unpaid Claims and Claim Expenses-(Continued)

| Homeowners <br> Incurred Claims and Allocated Claim Adjustment Expense, Net of Reinsurance Year Ended December 31, |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Accident Year | Unaudited | $\begin{gathered} \text { Unaudited } \\ 2008 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Unaudited } \\ 2009 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Unaudited } \\ 2010 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Unaudited } \\ 2011 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Unaudited } \\ 2012 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Unaudited } \\ 2013 \\ \hline \end{gathered}$ | Unaudited | $\begin{gathered} \text { Unaudited } \\ 2015 \\ \hline \end{gathered}$ | Audited 2016 |
| 2007 | \$85,552 | \$ 85,725 | \$ 84,666 | \$ 85,605 | \$ 83,198 | \$ 83,266 | \$ 83,241 | \$ 83,090 | \$ 83,101 | \$ 83,111 |
| 2008 |  | 140,469 | 136,743 | 136,002 | 139,743 | 139,232 | 139,511 | 139,472 | 139,348 | 139,306 |
| 2009 |  |  | 113,274 | 112,280 | 112,970 | 113,096 | 113,357 | 113,230 | 113,216 | 112,900 |
| 2010 |  |  |  | 140,994 | 136,907 | 133,358 | 133,235 | 133,216 | 133,136 | 132,859 |
| 2011 |  |  |  |  | 150,141 | 150,334 | 150,791 | 148,860 | 148,755 | 148,414 |
| 2012 |  |  |  |  |  | 108,754 | 109,156 | 109,360 | 106,486 | 106,309 |
| 2013 |  |  |  |  |  |  | 105,584 | 107,489 | 103,982 | 102,406 |
| 2014 |  |  |  |  |  |  |  | 111,647 | 113,506 | 109,058 |
| 2015 |  |  |  |  |  |  |  |  | 111,706 | 115,134 |
| 2016 |  |  |  |  |  |  |  |  |  | 115,931 |
|  |  |  |  |  |  |  |  |  | Total | \$1.165.428 |
| Homeowners <br> Cumulative Paid Claims and Allocated Claim Adjustment Expense, Net of Reinsurance Year Ended December 31, |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} \text { Accident } \end{gathered}$ | $\begin{gathered} \text { Unaudited }_{2007} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Unaudited } \\ 2008 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Unaudited } \\ 2009 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Unaudited } \\ 2010 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Unaudited } \\ 2011 \\ \hline \end{gathered}$ | $\begin{gathered} \text { Unaudited } \\ 2012 \\ \hline \end{gathered}$ | Unaudited $2013$ | Unaudited 2014 | $\begin{gathered} \text { Unaudited } \\ 2015 \\ \hline \end{gathered}$ | Audited 2016 |
| 2007 | \$59,268 | \$ 79,566 | \$ 82,272 | \$ 82,862 | \$ 82,722 | \$ 82,977 | \$ 83,028 | \$ 83,028 | \$ 83,096 | \$ 83,096 |
| 2008 |  | 105,401 | 130,888 | 134,235 | 136,923 | 138,802 | 138,992 | 139,121 | 139,224 | 139,256 |
| 2009 |  |  | 81,570 | 104,407 | 108,217 | 110,324 | 112,554 | 112,720 | 112,827 | 112,848 |
| 2010 |  |  |  | 98,190 | 124,326 | 129,790 | 132,246 | 132,523 | 132,604 | 132,599 |
| 2011 |  |  |  |  | 123,046 | 142,846 | 145,852 | 146,908 | 147,451 | 148,026 |
| 2012 |  |  |  |  |  | 84,260 | 101,566 | 104,203 | 105,156 | 105,561 |
| 2013 |  |  |  |  |  |  | 76,890 | 96,599 | 99,361 | 100,968 |
| 2014 |  |  |  |  |  |  |  | 83,314 | 103,030 | 105,703 |
| 2015 |  |  |  |  |  |  |  |  | 90,704 | 109,303 |
| 2016 |  |  |  |  |  |  |  |  |  | $\frac{95,772}{1133,132}$ |
|  |  |  |  |  |  |  |  | Total Outstanding p | or to 2006 | $1,133,132$ 18 |
|  |  |  |  |  |  |  |  | Prior years pai |  | 23 |
|  |  |  |  |  |  |  |  | Liabilities for co claim adjustm expenses, ne reinsurance | aims and <br> nt <br> of | \$ 32.314 |


| As of December 31, 2016 |  |
| :---: | :---: |
| Total of Incurred- <br> But-Not-Reported <br> Liabilities Plus <br> Expected Development <br> on Reported Claims | Cumulative <br> Number of <br> Reported Claims |
|  |  |
| $\$ \quad-$ | 19,298 |
| $-\quad$ | 31,376 |
| 22 | 20,320 |
| 235 | 23,624 |
| 358 | 27,676 |
| 502 | 20,239 |
| 1,023 | 18,066 |
| 3,136 | 17,400 |
| 4,480 | 15,054 |
| 11,737 |  |

NOTE 5 - Property and Casualty Unpaid Claims and Claim Expenses-(Continued)


NOTE 5 - Property and Casualty Unpaid Claims and Claim Expenses-(Continued)


## NOTE 5 - Property and Casualty Unpaid Claims and Claim Expenses-(Continued)

The reconciliation of the net incurred and paid claims development tables to the liability for claims and claim adjustment expenses in the Consolidated Balance Sheet is as follows:

|  | Year Ended December 31, |
| :---: | :---: |
|  | 2016 |
| Property and Casualty segment |  |
| Net reserves |  |
| Homeowners. | \$ 32,314 |
| Auto liability.. | 182,162 |
| Auto physical damage. | 6,374 |
| Other short duration lines .......................................................................... | 3,588 |
| Total net reserves for unpaid claims and claim adjustment expense, net of reinsurance. $\qquad$ | 224,438 |
| Reinsurance recoverable on unpaid claims |  |
| Homeowners........................................................................................... | 375 |
| Auto liability.. | 50,959 |
| Other short duration lines ........................................................................... | 9,865 |
| Total reinsurance recoverable on unpaid claims ......................................... | 61,199 |
| Insurance lines other than short duration (1)...................................................... | 22,131 |
| Unallocated claims adjustment expenses ........................................................ | 22,120 |
| Total other than short duration and unallocated claims adjustment expenses. | 44,251 |
| Gross reserves, end of year (1)........................................................................ | \$329,888 |

(1) This line includes Retirement and Life reserves as included in the Consolidated Balance Sheet.

## NOTE 6 - Reinsurance and Catastrophes

In the normal course of business, the Company's insurance subsidiaries assume and cede reinsurance with other insurers. Reinsurance is ceded primarily to limit losses from large events and to permit recovery of a portion of direct losses; however, such a transfer does not relieve the originating insurance company of primary liability.

The Company is a national underwriter and therefore has exposure to catastrophic losses in certain coastal states and other regions throughout the U.S. Catastrophes can be caused by various events including hurricanes, windstorms, hail, severe winter weather, wildfires and earthquakes, and the frequency and severity of catastrophes are inherently unpredictable. The financial impact from catastrophic losses results from both the total amount of insured exposure in the area affected by the catastrophe as well as the severity of the event. The Company seeks to reduce its exposure to catastrophe losses through the geographic diversification of its insurance coverage, deductibles, maximum coverage limits and the purchase of catastrophe reinsurance.

The Company's catastrophe losses incurred of approximately \$60,043, \$44,429 and $\$ 37,500$ for the years ended December 31, 2016, 2015 and 2014, respectively, reflected losses from winter storm events in the first part of each year, wind/hail/tornado events in the spring and summer months of each year, as well as losses from several storms in the latter part of each year. The fourth quarter of 2016 also included losses from Hurricane Matthew.

## NOTE 6 - Reinsurance and Catastrophes-(Continued)

The total amounts of reinsurance recoverable on unpaid insurance reserves classified as assets and reported in Other assets in the Consolidated Balance Sheets were as follows:

|  | December 31, |  |
| :---: | :---: | :---: |
|  | 2016 | 2015 |
| Reinsurance recoverables on reserves and unpaid claims |  |  |
| Property and Casualty |  |  |
| Reinsurance companies.. | \$10,239 | \$ 9,026 |
| State insurance facilities | 50,960 | 41,306 |
| Life and health . | 9,275 | 9,780 |
| Total | \$70,474 | \$60,112 |

The Company recognizes the cost of reinsurance premiums over the contract periods for such premiums in proportion to the insurance protection provided. Amounts recoverable from reinsurers for unpaid claims and claim settlement expenses, including estimated amounts for unsettled claims, claims incurred but not yet reported and policy benefits, are estimated in a manner consistent with the insurance liability associated with the policy. The effects of reinsurance on premiums written and contract deposits; premiums and contract charges earned; and benefits, claims and settlement expenses were as follows:

|  | Gross Amount | Ceded to Other Companies | Assumed from Other Companies | Net Amount |
| :---: | :---: | :---: | :---: | :---: |
| Year ended December 31, 2016 |  |  |  |  |
| Premiums written and contract deposits. | \$1,280,903 | \$22,728 | \$4,324 | \$1,262,499 |
| Premiums and contract charges earned .................. | 777,651 | 22,826 | 4,321 | 759,146 |
| Benefits, claims and settlement expenses................ | 562,385 | 25,739 | 4,358 | 541,004 |
| Year ended December 31, 2015 |  |  |  |  |
| Premiums written and contract deposits ................... | 1,277,066 | 24,737 | 4,184 | 1,256,513 |
| Premiums and contract charges earned. | 752,798 | 25,077 | 4,159 | 731,880 |
| Benefits, claims and settlement expenses................ | 508,904 | 16,221 | 3,681 | 496,364 |
| Year ended December 31, 2014 |  |  |  |  |
| Premiums written and contract deposits .................. | 1,191,123 | 27,144 | 3,676 | 1,167,655 |
| Premiums and contract charges earned.................. | 739,281 | 27,276 | 3,755 | 715,760 |
| Benefits, claims and settlement expenses............... | 504,550 | 39,236 | 3,112 | 468,426 |

There were no losses from uncollectible reinsurance recoverables in the three years ended December 31, 2016. Past due reinsurance recoverables as of December 31, 2016 were not material.

The Company maintains catastrophe excess of loss reinsurance coverage. For 2016, the Company's catastrophe excess of loss coverage consisted of one contract and it provided $95 \%$ coverage for catastrophe losses above a retention of $\$ 25,000$ per occurrence up to $\$ 175,000$ per occurrence. This contract consisted of three layers, each of which provided for one mandatory reinstatement. The layers were $\$ 25,000$ excess of $\$ 25,000, \$ 40,000$ excess of $\$ 50,000$ and $\$ 85,000$ excess of $\$ 90,000$.

## NOTE 6 - Reinsurance and Catastrophes-(Continued)

For liability coverages, in 2016, the Company reinsured each loss above a retention of $\$ 900$ with coverage up to $\$ 5,000$ on a per occurrence basis and $\$ 20,000$ in a clash event. (A clash cover is a reinsurance casualty excess contract requiring two or more casualty coverages or policies issued by the Company to be involved in the same loss occurrence for coverage to apply.) For property coverages, in 2016 the Company reinsured each loss above a retention of $\$ 900$ up to $\$ 5,000$ on a per risk basis, including catastrophe losses. Also, the Company could submit to the reinsurers two per risk losses from the same occurrence for a total of $\$ 8,200$ of property recovery in any one event.

The maximum individual life insurance risk retained by the Company is $\$ 300$ on any individual life, while either $\$ 100$ or $\$ 125$ is retained on each group life policy depending on the type of coverage. Excess amounts are reinsured. The Company also maintains a life catastrophe reinsurance program. For 2016, the Company reinsured 100\% of the catastrophe risk in excess of $\$ 1,000$ up to $\$ 35,000$ per occurrence, with one reinstatement. The Company's life catastrophe risk reinsurance program covers acts of terrorism and includes nuclear, biological and chemical explosions but excludes other acts of war.

## NOTE 7 - Debt

Indebtedness and scheduled maturities consisted of the following:

| Short-term debt | Effective Interest Rates | Final Maturity | December 31, |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 2016 | 2015 |
|  |  |  |  |  |
| Bank Credit Facility.. | Variable | 2019 | \$ | \$ |
| Long-term debt (1) |  |  |  |  |
| 4.50\% Senior Notes, Aggregate principal amount of $\$ 250,000$ less unaccrued discount of $\$ 603$ |  |  |  |  |
| and $\$ 654$ and unamortized debt issuance costs of $\$ 2,188$ and $\$ 2,371$ | 4.5\% | 2025 | 247,209 | 246,975 |
| Total ....................................................................... |  |  | \$247,209 | \$246,975 |

(1) The Company designates debt obligations as "long-term" based on maturity date at issuance.

## Credit Agreement with Financial Institutions ("Bank Credit Facility")

In 2014, HMEC's Bank Credit Agreement (the "Bank Credit Facility") was amended and restated to extend the commitment termination date to July 30, 2019 from the previous termination date of October 6, 2015 and to decrease the interest rate spread relative to Eurodollar base rates. The financial covenants within the agreement were not changed. The Bank Credit Facility is by and between HMEC, certain financial institutions named therein and JPMorgan Chase Bank, N.A., as administrative agent, and provides for unsecured borrowings of up to $\$ 150,000$. Interest accrues at varying spreads relative to prime or Eurodollar base rates and is payable monthly or quarterly depending on the applicable base rate (Eurodollar base rate plus $1.15 \%$ ). The unused portion of the Bank Credit Facility is subject to a variable commitment fee, which was $0.15 \%$ on an annual basis at December 31, 2016.

## NOTE 7 - Debt-(Continued)

On June 15, 2015, the Senior Notes due 2015 matured and the Company repaid the $\$ 75,000$ aggregate principal amount initially utilizing $\$ 75,000$ of additional borrowing under the existing Bank Credit Facility. In November 2015, the Company repaid the Bank Credit Facility balance in full utilizing a portion of the net proceeds from the issuance of the $4.50 \%$ Senior Notes due 2025, as described below.
4.50\% Senior Notes due 2025 ("Senior Notes due 2025")

On November 23, 2015, the Company issued \$250,000 aggregate principal amount of $4.50 \%$ senior notes, which will mature on December 1, 2025, issued at a discount of $0.265 \%$ resulting in an effective yield of $4.533 \%$. Interest on the Senior Notes due 2025 is payable semi-annually at a rate of $4.50 \%$. The Senior Notes due 2025 are redeemable in whole or in part, at any time, at the Company's option, at a redemption price equal to the greater of (1) $100 \%$ of the principal amount of the notes being redeemed or (2) the sum of the present values of the remaining scheduled payments of principal and interest thereon discounted, on a semi-annual basis, at the Treasury yield (as defined in the indenture) plus 35 basis points, plus, in either of the above cases, accrued interest to the date of redemption.

The net proceeds from the sale of the Senior Notes due 2025 were used to (1) repay the $\$ 113,000$ balance on the Bank Credit Facility, (2) redeem the Senior Notes due 2016, as described below, and (3) for general corporate purposes.

### 6.05\% Senior Notes due 2015 ("Senior Notes due 2015")

On June 15, 2015, the Senior Notes due 2015 matured and the Company repaid the $\$ 75,000$ aggregate principal amount initially utilizing \$75,000 of additional borrowing under the existing Bank Credit Facility.
6.85\% Senior Notes due 2016 ("Senior Notes due 2016")

On December 23, 2015, the Company redeemed all of its outstanding Senior Notes due 2016, $\$ 125,000$ aggregate principal amount, at a cost of $\$ 127,292$. The redemption was funded utilizing a portion of the net proceeds from the issuance of the $4.50 \%$ Senior Notes due 2025.

## Debt Retirement Charges

The redemption of the Senior Notes due 2016 resulted in a pretax charge to income for the year ended December 31, 2015 of $\$ 2,338$.

## Covenants

The Company is in compliance with all of the financial covenants contained in the Senior Notes due 2025 indenture and the Bank Credit Facility agreement, consisting primarily of relationships of (1) debt to capital, (2) net worth, as defined in the financial covenants, (3) insurance subsidiaries' risk-based capital and (4) securities subject to funding agreements and repurchase agreements.

## NOTE 8 - Income Taxes

The income tax assets and liabilities included in Other assets and Other liabilities, respectively, in the Consolidated Balance Sheets were as follows:

|  | December 31, |  |
| :---: | :---: | :---: |
|  | 2016 | 2015 |
| Income tax (asset) liability |  |  |
| Current. | \$ $(3,832)$ | \$ 1,000 |
| Deferred. | 205,699 | 201,208 |

Deferred tax assets and liabilities are recognized for all future tax consequences attributable to "temporary differences" between the financial statement carrying value of existing assets and liabilities and their respective tax bases. There are no deferred tax liabilities that have not been recognized. The "temporary differences" that gave rise to the deferred tax balances were as follows:

|  | December 31, |  |
| :---: | :---: | :---: |
|  | 2016 | 2015 |
| Deferred tax assets |  |  |
| Unearned premium reserve reduction | \$ 18,253 | \$ 17,402 |
| Compensation accruals | 15,893 | 13,737 |
| Impaired securities.. | 8,214 | 7,635 |
| Other comprehensive income - net funded status of pension and other postretirement benefit obligations | 6,387 | 6,375 |
| Discounting of unpaid claims and claim expense tax reserves | 2,463 | 3,213 |
| Postretirement benefits other than pensions | 578 | 664 |
| Other, net................................................................................................. | - | 1,189 |
| Total gross deferred tax assets .............................................................. | 51,788 | 50,215 |
| Deferred tax liabilities |  |  |
| Other comprehensive income - net unrealized gains on fixed maturities and equity securities | 112,311 | 112,934 |
| Deferred policy acquisition costs | 91,028 | 85,341 |
| Life insurance future policy benefit reserve ..................................................... | 33,145 | 30,177 |
| Investment related adjustments .................................................................... | 15,762 | 18,709 |
| Intangible assets....................................................................................... | 4,262 | 4,262 |
| Other, net................................................................................................. | 979 |  |
| Total gross deferred tax liabilities | 257,487 | 251,423 |
| Net deferred tax liability ...................................................................... | \$205,699 | \$201,208 |

The Company evaluated sources and character of income, including historical earnings, loss carryback potential, taxable income from future reversals of existing taxable temporary differences, future taxable income exclusive of reversing temporary differences, and taxable income from prudent and feasible tax planning strategies. Although realization of deferred tax assets is not assured, the Company believes it is more likely than not that gross deferred tax assets will be fully realized and that a valuation allowance with respect to the realization of the total gross deferred tax assets was not necessary as of December 31, 2016 and 2015.

At December 31, 2016, the Company did not have any loss carryforwards or credits.

## NOTE 8 - Income Taxes-(Continued)

The components of income tax expense were as follows:


Income tax expense for the following periods differed from the expected tax computed by applying the federal corporate tax rate of $35 \%$ to income before income taxes as follows:

|  | Year Ended December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| Expected federal tax on income. | \$39,981 | \$45,308 | \$51,140 |
| Add (deduct) tax effects of: |  |  |  |
| Tax-exempt interest. | $(5,789)$ | $(6,678)$ | $(6,849)$ |
| Dividend received deduction. | $(3,985)$ | $(3,564)$ | $(3,566)$ |
| Other, net. | 260 | 904 | 1,145 |
| Income tax expense provided on income......................................... | \$30,467 | \$35,970 | \$41,870 |

The Company's federal income tax returns for years prior to 2013 are no longer subject to examination by the Internal Revenue Service ("IRS").

The Company recognizes tax benefits from tax return positions only if it is more likely than not the position will be sustainable, upon examination, on its technical merits and any relevant administrative practices or precedents. As a result, the Company applies a more likely than not recognition threshold for all tax uncertainties.

The Company records liabilities for uncertain tax filing positions where it is more likely than not that the position will not be sustainable upon audit by taxing authorities. These liabilities are reevaluated routinely and are adjusted appropriately based upon changes in facts or law. The Company has no unrecorded liabilities from uncertain tax filing positions.

HMEC and its subsidiaries file a consolidated federal income tax return. The federal income tax sharing agreements between HMEC and its subsidiaries, as approved by the Board of Directors, provide that tax on income is charged to each subsidiary as if it were filing a separate tax return with the limitation that each subsidiary will receive the benefit of any losses or tax credits to the extent utilized in the consolidated tax return. Intercompany balances are settled quarterly with a final settlement after filing the consolidated federal income tax return with the IRS.

## NOTE 8 - Income Taxes-(Continued)

A reconciliation of the beginning and ending amounts of unrecognized tax benefits, excluding interest and penalties, is as follows:

|  | Year Ended December 31, |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2016 | 2015 |  | 2014 |  |
| Balance as of the beginning of the year | \$1,039 | \$ | 656 | \$ | 641 |
| Increases related to prior year tax positions ................................... | 348 |  | - |  | - |
| Decreases related to prior year tax positions | - |  | (15) |  | (244) |
| Increases related to current year tax positions ................................. | 283 |  | 398 |  | 259 |
| Settlements | - |  | - |  |  |
| Lapse of statue. | (76) |  | - |  | - |
| Balance as of the end of the year | \$1,594 |  | 1,039 | \$ | 656 |

The Company's effective tax rate would be affected to the extent there were unrecognized tax benefits that could be recognized. There are no positions for which it is reasonably possible that the total amount of unrecognized tax benefit will significantly increase within the next 12 months.

The Company classifies all tax related interest and penalties as income tax expense.
Interest and penalties were both immaterial in each of the years ended December 31, 2016, 2015 and 2014.

## NOTE 9 - Shareholders' Equity and Common Stock Equivalents

## Share Repurchase Programs and Treasury Shares Held (Common Stock)

In December 2011, HMEC's Board of Directors (the "Board") authorized a share repurchase program allowing repurchases of up to \$50,000 (the "2011 Plan"). In September 2015, the Board authorized an additional share repurchase program allowing repurchases of up to $\$ 50,000$ (the " 2015 Plan") to begin following the completion of the 2011 Plan. Both share repurchase programs authorize the repurchase of HMEC's common shares in open market or privately negotiated transactions, from time to time, depending on market conditions. The share repurchase programs do not have expiration dates and may be limited or terminated at any time without notice.

During 2014, the Company repurchased 190,876 shares of its common stock, or $0.5 \%$ of the outstanding shares on December 31, 2013, at an aggregate cost of $\$ 5,411$, or an average price of $\$ 28.33$ per share, under the 2011 Plan. During 2015, the Company repurchased 663,092 shares of its common stock, or $1.6 \%$ of the outstanding shares on December 31, 2014, at an aggregate cost of $\$ 21,950$, or an average price of $\$ 33.08$ per share, under the 2011 Plan. During 2016, the Company repurchased 701,410 shares of its common stock, or $1.7 \%$ of the outstanding shares on December 31, 2015, at an aggregate cost of $\$ 21,513$, or an average price of $\$ 30.65$ per share, under the 2011 and the 2015 Plans. Utilization of the remaining authorization under the 2011 program was completed in January 2016. In total and through December 31, 2016, 2,799,610 shares were repurchased under the 2011 and 2015 Plans at an average price of $\$ 25.18$ per share. The repurchase of shares was financed through use of cash. As of December 31, 2016, $\$ 29,511$ remained authorized for future share repurchases under the 2015 Plan authorization.

## NOTE 9 - Shareholders' Equity and Common Stock Equivalents-(Continued)

At December 31, 2016, the Company held 24,673 shares in treasury.

## Authorization of Preferred Stock

In 1996, the shareholders of HMEC approved authorization of 1,000,000 shares of $\$ 0.001$ par value preferred stock. The Board of Directors is authorized to (1) direct the issuance of the preferred stock in one or more series, (2) fix the dividend rate, conversion or exchange rights, redemption price and liquidation preference, of any series of the preferred stock, (3) fix the number of shares for any series and (4) increase or decrease the number of shares of any series. No shares of preferred stock were outstanding at December 31, 2016 and 2015.

## 2010 Comprehensive Executive Compensation Plan

In 2010, the shareholders of HMEC approved the 2010 Comprehensive Executive Compensation Plan (the "Comprehensive Plan"). The purpose of the Comprehensive Plan is to aid the Company in attracting, retaining, motivating and rewarding employees and nonemployee Directors; to provide for equitable and competitive compensation opportunities, including deferral opportunities; to encourage long-term service; to recognize individual contributions and reward achievement of Company goals; and to promote the creation of longterm value for the Company's shareholders by closely aligning the interests of plan participants with those of shareholders. The Comprehensive Plan authorizes share-based and cash-based incentives for plan participants. In 2012, the shareholders of HMEC approved the implementation of a fungible share pool under which grants of full value shares will count against the share limit as two and one half shares for every share subject to a full value award. In 2015, the shareholders of HMEC approved an amendment and restatement of the Comprehensive Plan which included an increase of 3.25 million in the number of shares of common stock reserved for issuance under the Comprehensive Plan. As of December 31, 2016, approximately 2.9 million shares were available for grant under the Comprehensive Plan. Shares of common stock issued under the Comprehensive Plan may be either authorized and unissued shares of HMEC or shares that have been reacquired by HMEC; however, new shares have been issued historically.

As further described in the paragraphs below, outstanding stock units and stock options under the Comprehensive Plan were as follows:

|  | December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| Common stock units related to deferred compensation for Directors.. | 74,058 | 85,200 | 87,993 |
| Common stock units related to deferred compensation for employees. | 51,502 | 55,443 | 69,598 |
| Stock options ............................................................................... | 747,032 | 669,693 | 634,437 |
| Restricted common stock units |  |  |  |
| related to incentive compensation.... | 1,419,268 | 1,442,325 | 1,590,138 |
| Total. | $\underline{\underline{2}, 291,860}$ | $\underline{\underline{2,252,661}}$ | $\underline{\underline{2,382,166}}$ |

## NOTE 9 - Shareholders' Equity and Common Stock Equivalents-(Continued)

## Director Common Stock Units

Deferred compensation of Directors is in the form of common stock units, which represent an equal number of common shares to be issued in the future. The outstanding units of Directors serving on the Board accrue dividends at the same rate as dividends paid to HMEC's shareholders; outstanding units of retired Directors do not accrue dividends. These dividends are reinvested into additional common stock units.

## Employee Common Stock Units

Deferred compensation of employees is in the form of common stock units, which represent an equal number of common shares to be issued in the future. Distributions of employee deferred compensation are allowed to be either in common shares or cash. Through December 31, 2016, all distributions have been in cash. The outstanding units accrue dividends at the same rate as dividends paid to HMEC's shareholders. These dividends are reinvested into additional common stock units.

## Stock Options

Options to purchase shares of HMEC common stock may be granted to executive officers, other employees and Directors. The options become exercisable in installments based on service generally beginning in the first year from the date of grant and generally become fully vested 4 years from the date of grant. The options generally expire 7 to 10 years from the date of grant. The exercise price of the option is equal to the market price of HMEC's common stock on the date of grant resulting in a grant date intrinsic value of $\$ 0$.

Changes in outstanding options were as follows:

|  | Weighted Average <br> Option Price <br> per Share |  | Range of <br> Option Prices <br> per Share |  | Options |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |

## NOTE 9 - Shareholders' Equity and Common Stock Equivalents-(Continued)

Option information segregated by ranges of exercise prices was as follows:


The weighted average exercise prices of vested and exercisable options as of December 31,2015 and 2014 were $\$ 19.32$ and $\$ 17.20$, respectively.

As of December 31, 2016, based on a closing stock price of $\$ 42.80$ per share, the aggregate intrinsic (in-the-money) values of vested options and all options outstanding were $\$ 5,482$ and $\$ 11,303$, respectively.

## Restricted Common Stock Units

Restricted common stock units may be granted to executive officers, other employees and Directors and represent an equal number of common shares to be issued in the future. The restricted common stock units vest in installments based on service or attainment of performance criteria generally beginning in the first year from the date of grant and generally become fully vested 1 to 5 years from the date of grant. The outstanding units accrue dividends at the same rate as dividends paid to HMEC's shareholders. These dividends are reinvested into additional restricted common stock units.

Changes in outstanding restricted common stock units were as follows:

|  | Total Outstanding Units |  | Vested Units |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Units | Weighted Average Grant Date Fair Value per Unit | Units | Weighted Average Grant Date Fair Value per Unit |
| December 31, 2015............. | 1,442,325 | \$24.29 | 849,912 | \$15.51 |
| Granted (1) ..................... | 370,175 | \$31.75 | - | - |
| Vested | - | - | 262,074 | \$22.92 |
| Forfeited ........................ | $(49,310)$ | \$26.01 | - | - |
| Distributed (2) ................. | $(343,922)$ | \$18.28 | $(343,922)$ | \$18.28 |
| December 31, 2016............ | $\underline{\underline{1,419,268}}$ | \$27.63 | 768,064 | \$16.80 |

(1) Includes dividends reinvested into additional restricted common stock units.
(2) Includes distributed units which were utilized to satisfy withholding taxes due on the distribution.

## NOTE 10 - Statutory Information and Restrictions

The insurance departments of various states in which the insurance subsidiaries of HMEC are domiciled recognize as net income and surplus those amounts determined in conformity with statutory accounting principles prescribed or permitted by the insurance departments, which differ in certain respects from GAAP.

Reconciliations of statutory capital and surplus and net income, as determined using statutory accounting principles, to the amounts included in the accompanying consolidated financial statements are as follows:

|  | December 31, |  |
| :---: | :---: | :---: |
|  | 2016 | 2015 |
| Statutory capital and surplus of insurance subsidiaries ........................ | \$ 912,336 | \$ 883,870 |
| Increase (decrease) due to: |  |  |
| Deferred policy acquisition costs | 267,580 | 253,176 |
| Difference in policyholder reserves. | 98,360 | 95,536 |
| Goodwill. | 47,396 | 47,396 |
| Investment fair value adjustments on fixed maturities | 301,518 | 314,705 |
| Difference in investment reserves. | 125,805 | 120,795 |
| Federal income tax liability | $(228,090)$ | $(224,492)$ |
| Net funded status of pension and other postretirement benefit obligations | $(18,250)$ | $(18,213)$ |
| Non-admitted assets and other, net. | 22,888 | 21,691 |
| Shareholders' equity of parent company and non-insurance subsidiaries | 11,648 | 17,172 |
| Parent company short-term and long-term debt | $(247,209)$ | $(246,975)$ |
| Shareholders' equity as reported herein ................................... | \$1,293,982 | \$1,264,661 |


|  | Year Ended December 31, |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2016 |  | 2015 |  | 2014 |  |
| Statutory net income of insurance subsidiaries. | \$ | 74,574 | \$ | 87,619 | \$ | 97,875 |
| Net loss of non-insurance companies.. |  | $(5,135)$ |  | $(4,474)$ |  | $(3,906)$ |
| Interest expense |  | $(11,808)$ |  | $(13,122)$ |  | $(14,198)$ |
| Debt retirement costs |  | - |  | $(2,338)$ |  | - |
| Tax benefit of interest expense and other parent company current tax adjustments. |  | 5,637 |  | 6,829 |  | 6,371 |
| Combined net income. |  | 63,268 |  | 74,514 |  | 86,142 |
| Increase (decrease) due to: |  |  |  |  |  |  |
| Deferred policy acquisition costs |  | 19,442 |  | 13,249 |  | 16,828 |
| Policyholder benefits. |  | 14,919 |  | 14,065 |  | 15,284 |
| Federal income tax expense |  | $(5,312)$ |  | $(6,678)$ |  | $(10,548)$ |
| Investment reserves |  | $(1,320)$ |  | 7,339 |  | 3,574 |
| Other adjustments, net |  | $(7,232)$ |  | $(9,007)$ |  | $(7,037)$ |
| Net income as reported herein. | \$ | 83,765 | \$ | 93,482 |  | 104,243 |

HMEC has principal insurance subsidiaries domiciled in Illinois and Texas. The statutory financial statements of these subsidiaries are prepared in accordance with accounting principles prescribed or permitted by the Illinois Department of Insurance and the Texas Department of Insurance, as applicable. Prescribed statutory accounting principles include a variety of publications of the National Association of Insurance Commissioners (the "NAIC"), as well as state laws, regulations and general administrative rules.

## NOTE 10 - Statutory Information and Restrictions-(Continued)

The NAIC has risk-based capital guidelines to evaluate the adequacy of statutory capital and surplus in relation to risks assumed in investments, reserving policies, and volume and types of insurance business written. At December 31, 2016 and 2015, the minimum statutorybasis capital and surplus required to be maintained by HMEC's insurance subsidiaries was $\$ 148,583$ and $\$ 139,949$, respectively. At December 31, 2016 and 2015, statutory capital and surplus of each of the Company's insurance subsidiaries was above required levels. The restricted net assets of HMEC's insurance subsidiaries were $\$ 18,119$ and $\$ 18,312$ as of December 31, 2016 and 2015, respectively. The minimum statutory-basis capital and surplus amount at each date is the total estimated authorized control level risk-based capital for all of HMEC's insurance subsidiaries combined. Authorized control level risk-based capital represents the minimum level of statutory-basis capital and surplus necessary before the insurance commissioner in the respective state of domicile is authorized to take whatever regulatory actions considered necessary to protect the best interests of the policyholders and creditors of the insurer. The amount of restricted net assets represents the combined fair value of securities on deposit with governmental agencies for the insurance subsidiaries as required by law in various states in which the insurance subsidiaries of HMEC conduct business.

HMEC relies largely on dividends from its insurance subsidiaries to meet its obligations for payment of principal and interest on debt, dividends to shareholders and parent company operating expenses, including tax payments pursuant to tax sharing agreements. Payments for share repurchase programs also have this dependency. HMEC's insurance subsidiaries are subject to various regulatory restrictions which limit the amount of annual dividends or other distributions, including loans or cash advances, available to HMEC without prior approval of the insurance regulatory authorities. As a result, HMEC may not be able to receive dividends from such subsidiaries at times and in amounts necessary to pay desired dividends to shareholders. The aggregate amount of dividends that may be paid in 2017 from all of HMEC's insurance subsidiaries without prior regulatory approval is approximately $\$ 91,000$.

As disclosed in the reconciliation of the statutory capital and surplus of insurance subsidiaries to the consolidated GAAP shareholders' equity, the insurance subsidiaries have statutory capital and surplus of $\$ 912,336$ as of December 31, 2016, which is subject to regulatory restrictions. The parent company equity is not restricted. At December 31, 2016, HMEC had $\$ 4,069$ of liquid assets, comprised of investments and cash, which could be used to fund debt interest, general corporate obligations, as well as dividend payments to shareholders. If necessary, HMEC also has other potential sources of liquidity that could provide for additional funding to meet corporate obligations or pay shareholder dividends, which include a revolving line of credit, as well as issuances of various securities.

At the time of this Annual Report on Form 10-K and during each of the years in the three year period ended December 31, 2016, the Company had no financial reinsurance agreements in effect.

## NOTE 11 - Pension Plans and Other Postretirement Benefits

The Company sponsors three qualified and two non-qualified retirement plans. Substantially all employees participate in the $401(\mathrm{k})$ plan and through December 31, 2014 participated in the non-contributory defined contribution plan. Both the qualified and the nonqualified defined benefit plans have been frozen since 2002. All participants in both frozen plans are $100 \%$ vested in their accrued benefit and all non-qualified defined benefit plan participants are receiving payment. Certain employees participate in a non-qualified defined contribution plan.

## Qualified Plans

All employees participate in the 401(k) plan and receive a $100 \%$ vested $3 \%$ "safe harbor" company contribution based on employees' eligible earnings. Effective January 1, 2015, the Company began matching each dollar of employee contributions up to a $5 \%$ maximum -- in addition to maintaining the automatic 3\% "safe harbor" contribution. The new matching company contribution vests after 5 years of service. The $401(\mathrm{k})$ plan is fully funded.

Prior to 2015, employees participated in a defined contribution plan after one year of service; contributions were made based on eligible earnings and years of service and were credited to each employee's individual plan account. The majority of employees received a $5 \%$ contribution. Accounts vested after 3 years of service. The Company terminated this fully funded defined contribution plan on December 31, 2014 and all participant accounts became $100 \%$ vested. The majority of plan assets were distributed to participants in 2015, with a final settlement of all remaining participant accounts in 2016 through the purchase of qualified individual annuities under a HMLIC group annuity contract.

In 2002, participants ceased accruing benefits for earnings and years of service in the frozen defined benefit plan. A substantial number of those participants are former employees of the Company who are not eligible to receive an immediate annuity benefit until age 65 and/or are not eligible for a lump sum distribution. In November 2014, the Company announced a cash-out election period or "window" ending in December 2014, for terminated vested participants with accrued lump sum values under $\$ 100$. During the window, 385 former employees elected to receive a total of approximately $\$ 4,200$ in lump sum distributions, resulting in approximately $\$ 1,600$ of additional settlement expense in 2014. Subsequently, in August of 2016, the Company announced a second cash-out election "window" ending in September 2016 for all vested terminated participants, regardless of lump sum value. During this window, 52 former employees elected to receive a total of approximately $\$ 1,400$ in lump sums distributions.

The Company's policy for the frozen defined benefit plan is to contribute to the plan amounts which are actuarially determined to provide sufficient funding to meet future benefit payments as defined by federal laws and regulations.

For the two qualified plans, all assets are held in their respective plan trusts.

## NOTE 11 - Pension Plans and Other Postretirement Benefits-(Continued)

## Non-qualified Plans

The non-qualified plans were established for specific employees whose otherwise eligible earnings exceeded the statutory limits under the qualified plans. Benefit accruals under the non-qualified defined benefit plan were frozen in 2002 and all participants are currently in payment status. Both the non-qualified frozen defined benefit plan and the nonqualified contribution plan are unfunded plans with the Company's contributions made at the time payments are made to participants.

## Total Expense and Contribution Plans' Information

Total expense recorded for the qualified and non-qualified defined contribution, 401(k), defined benefit and supplemental retirement plans was $\$ 8,527, \$ 8,899$ and $\$ 11,850$ for the years ended December 31, 2016, 2015 and 2014, respectively.

Contributions to employees' accounts under the qualified defined contribution plan, the 401(k) plan and the non-qualified defined contribution plan, as well as total assets of the plans, were as follows:

|  | Year Ended December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| 401(k) plan |  |  |  |
| Contributions to employees' accounts | \$ 6,918 | \$ 6,466 | \$ 2,753 |
| Total assets at the end of the year.. | 177,352 | 161,956 | 132,053 |
| Qualified defined contribution plan |  |  |  |
| Contributions to employees' accounts | - | - ${ }^{-}$ | 4,580 |
| Total assets at the end of the year.................................................. | - | 9,118 | 123,008 |
| Non-qualified defined contribution plan |  |  |  |
| Contributions to employees' accounts .............................................. | 72 | 122 | 74 |
| Total assets at the end of the year.................................................. | - | - | - |

## NOTE 11 - Pension Plans and Other Postretirement Benefits-(Continued)

## Defined Benefit Plan and Supplemental Retirement Plans

The following tables summarize the funded status of the defined benefit and supplemental retirement pension plans as of December 31, 2016, 2015 and 2014 (the measurement dates) and identify (1) the assumptions used to determine the projected benefit obligation and (2) the components of net pension cost for the defined benefit plan and supplemental retirement plans for the following periods:

|  | Defined Benefit Plan |  |  | Supplemental <br> Defined Benefit Plans |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | December 31, |  |  |  |  |  |
|  | 2016 | 2015 | 2014 | 2016 | 2015 | 2014 |
| Change in benefit obligation: |  |  |  |  |  |  |
| Projected benefit obligation at beginning of year | \$31,233 | \$34,279 | \$39,483 | \$ 17,004 | \$ 18,524 | \$ 16,706 |
| Service cost................................. | 650 | 450 | 360 | - | - | - |
| Interest cost. | 1,244 | 1,189 | 1,679 | 687 | 654 | 716 |
| Plan amendments |  | - | - | - |  | - |
| Actuarial loss (gain). | (220) | $(1,371)$ | 1,254 | 488 | (845) | 2,431 |
| Benefits paid.. | $(3,500)$ | $(3,314)$ | $(1,737)$ | $(1,332)$ | $(1,329)$ | $(1,329)$ |
| Settlements | - | - | $(6,760)$ | - | - |  |
| Projected benefit obligation at end of year | \$29,407 | \$31,233 | \$34,279 | \$ 16,847 | \$ 17,004 | \$ 18,524 |
| Change in plan assets: $\quad \underline{\underline{s e n} \text { 里 }}$ |  |  |  |  |  |  |
| Fair value of plan assets at beginning of year $\qquad$ | \$27,667 | \$31,408 | \$35,879 | \$ | \$ | \$ |
| Actual return on plan assets ............ | 1,766 | 200 | 2,535 | - | - | - |
| Employer contributions. | - | - | 2,000 | 1.332 | 1,329 | 1,329 |
| Benefits paid.. | $(3,500)$ | $(3,314)$ | $(1,737)$ | $(1,332)$ | $(1,329)$ | $(1,329)$ |
| Expenses paid. | (487) | (627) | (509) | - | - | - |
| Settlements . | - | - | $(6,760)$ | - | - | - |
| Fair value of plan assets at end of year $\qquad$ | \$25,446 | \$27,667 | \$31,408 | \$ | \$ | \$ |
| Funded status .............................. | \$ $(3,961)$ | \$ $(3,566)$ | \$ $(2,871)$ | \$(16,847) | \$(17,004) | \$(18,524) |
| Prepaid (accrued) benefit expense ..... | \$ 8,653 | \$ 9,265 | \$10,656 | \$(11,210) | \$(11,622) | \$(12,024) |
| Total amount recognized in Consolidated Balance Sheets, all in Other liabilities. $\qquad$ | \$ (3,961) | \$ $(3,566)$ | \$ (2,871) | \$(16,847) | \$(17,004) | \$(18,524) |
| Amounts recognized in accumulated other comprehensive income (loss) ("AOCl"): |  |  |  |  |  |  |
| Prior service cost ....................... |  | \$ | \$ |  |  |  |
| Net actuarial loss ....................... | 12,613 | 12,831 | 13,527 | 5,637 | 5,382 | 6,500 |
| Total amount recognized in AOCl | \$12,613 | \$12,831 | \$13,527 | \$ 5,637 | \$ 5,382 | \$ 6,500 |
| Information for pension plans with an accumulated benefit obligation greater than plan assets: |  |  |  |  |  |  |
| Projected benefit obligation......... | \$29,407 | \$31,233 | \$34,279 | \$ 16,847 | \$ 17,004 | \$ 18,524 |
| Accumulated benefit obligation .... | 29,407 | 31,233 | 34,279 | 16,847 | 17,004 | 18,524 |
| Fair value of plan assets ............. | 25,446 | 27,667 | 31,408 | - | - | - |

## NOTE 11 - Pension Plans and Other Postretirement Benefits-(Continued)

The change in the Company's AOCI for the defined benefit plans for the year ended December 31, 2016 was primarily attributable to a decrease in the discount rate, partially offset by the performance of plan assets. The change in the Company's AOCI for the defined benefit plans for the year ended December 31, 2015 was primarily attributable to an increase in the discount rate, partially offset by the performance of plan assets. The change in the Company's AOCI for the defined benefit plans for the year ended December 31, 2014 was primarily attributable to loss recognition in 2014, due to settlement accounting as well as loss amortization included in net periodic benefit cost for 2014 . This loss recognition was partially offset by liability losses in 2014 due to a decrease in the discount rate as well as a change in the mortality assumption.

|  | Defined Benefit Plan |  |  | Supplemental Defined Benefit Plans |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 | Year Ended December 31, |  |  |
| Components of net periodic pension (income) expense: |  |  |  |  |  |  |
| Service cost: |  |  |  |  |  |  |
| Benefit accrual.. |  | \$ | \$ | \$ | \$ | \$ |
| Other expenses | 650 | 450 | 360 | - | - | - |
| Interest cost... | 1,244 | 1,189 | 1,679 | 687 | 654 | 716 |
| Expected return on plan assets ... | $(1,675)$ | $(1,875)$ | $(2,402)$ | - | - | - |
| Settlement loss ......................... | - | - | 2,668 | - | - | - |
| Amortization of: |  |  |  |  |  |  |
| Prior service cost.................... | - | - | - | - | - | - |
| Actuarial loss ........ | 393 | 1,626 | 1,371 | 233 | 273 | 157 |
| Net periodic pension expense............ | \$ 612 | \$1,390 | \$3,676 | \$920 | \$ 927 | \$873 |
| Changes in plan assets and benefit obligations included in other comprehensive income (loss): |  |  |  |  |  |  |
| Prior service cost ...... | \$ |  |  | \$ | \$ | \$ |
| Net actuarial loss (gain).............. | 175 | 930 | $(1,037)$ | 488 | (845) | 2,431 |
| Amortization of: |  |  |  |  |  |  |
| Prior service cost.... | - | - | - | - | - | (2) |
| Actuarial loss ...... | (393) | $(1,626)$ | $(1,371)$ | (233) | (273) | (157) |
| Total recognized in other comprehensive income (loss). | \$ (218) | \$ (696) | \$(2,408) | \$255 | \$(1,118) | \$2,272 |
| Weighted average assumptions used to determine expense: |  |  |  |  |  |  |
| Discount rate ............................. | 4.20\% | 3.66\% | 4.46\% | 4.20\% | 3.66\% | 4.46\% |
| Expected return on plan assets.... | 6.50\% | 6.75\% | 7.50\% | 6.50\% | * | * |
| Annual rate of salary increase...... | * | * | * | * | * | * |
| Weighted average assumptions used to determine benefit obligations as of December 31: |  |  |  |  |  |  |
| Discount rate ............................. | 3.90\% | 4.20\% | 3.66\% | 3.90\% | 4.20\% | 3.66\% |
| Expected return on plan assets.... | 6.50\% | 6.75\% | 7.50\% | 6.50\% | * | * |
| Annual rate of salary increase...... | * | * | * | * | * | * |

[^4]
## NOTE 11 - Pension Plans and Other Postretirement Benefits-(Continued)

The discount rates at December 31, 2016 were based on the average yield for long-term, high-grade securities available during the benefit payout period. To set its discount rate, the Company looks to leading indicators, including the Mercer Above Mean Yield Curve.

The assumption for the long-term rate of return on plan assets was determined by considering actual investment experience during the lifetime of the plan, balanced with reasonable expectations of future growth considering the various classes of assets and percentage allocation for each asset class.

The Company has an investment policy for the defined benefit pension plan that aligns the assets within the plan's trust to an approximate allocation of $50 \%$ equity and $50 \%$ fixed income funds. Management believes this allocation will produce the targeted long-term rate of return on assets necessary for payment of future benefit obligations, while providing adequate liquidity for payments to current beneficiaries. Assets are reviewed against the defined benefit pension plan's investment policy and the trustee has been directed to adjust invested assets at least quarterly to maintain the target allocation percentages.

Fair values of the equity security funds and fixed income funds have been determined from public quotations. The following table presents the fair value hierarchy for the Company's defined benefit pension plan assets, excluding cash held.

|  | Total | Fair Value Measurements at Reporting Date Using |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Level 1 | Level 2 | Level 3 |
| December 31, 2016 |  |  |  |  |
| Asset category |  |  |  |  |
| Equity security funds (1) |  |  |  |  |
| United States. | \$ 9,836 | \$ | \$ 9,836 | \$ |
| International. | 2,492 | - | 2,492 | - |
| Fixed income funds | 12,402 | - | 12,402 | - |
| Short-term investment funds ...................................... | 716 | 716 | - | - |
| Total | \$25,446 | $\underline{\text { \$716 }}$ | \$24,730 | \$ |
| December 31, 2015 |  |  |  |  |
| Asset category |  |  |  |  |
| Equity security funds (1) |  |  |  |  |
| United States ....................................................... | \$10,844 | \$ | \$10,844 | \$ |
| International. | 2,681 | - | 2,681 | - |
| Fixed income funds | 13,720 | - | 13,720 | - |
| Short-term investments funds .................................... | 422 | 422 | - | - |
| Total............................................................... | \$27,667 | \$422 | \$27,245 | \$ |

(1) None of the trust fund assets for the defined benefit pension plan have been invested in shares of HMEC's common stock.

There were no Level 3 assets held during the years ended December 31, 2016 and 2015.

## NOTE 11 - Pension Plans and Other Postretirement Benefits-(Continued)

In 2017, the Company expects amortization of net losses of $\$ 389$ and $\$ 258$ for the defined benefit plan and the supplemental retirement plans, respectively, and expects no amortization of prior service cost for the supplemental retirement plans to be included in net periodic pension expense.

## Postretirement Benefits Other than Pensions

In addition to providing pension benefits, as further described below, prior to 2015 the Company also provided certain health care and life insurance benefits to a closed group of eligible employees (pre-age 65 and former employees). Postretirement benefits other than pensions of active and retired employees were accrued as expense over the employees' service years.

As of December 31, 2006, upon discontinuation of retiree medical benefits, Health Reimbursement Accounts ("HRAs") were established for eligible participants and totaled $\$ 7,310$. As of December 31, 2016, the balance of the previously established HRAs was $\$ 1,652$. Funding of HRAs was $\$ 218, \$ 523$ and $\$ 252$ for the years ended December 31, 2016, 2015 and 2014, respectively.

In December 2013, the Company announced the elimination of postretirement medical coverage for all remaining eligible participants effective March 31, 2014. As a result of this plan change, prior service cost was amortized over the average working lifetime of active eligible participants.

In November 2014, the Company announced it would no longer sponsor the retiree group life benefit as of December 2014 and offered a conversion option to individual policies. This was the last remaining postretirement benefit other than pensions.

As a result of the changes in the plan for other postretirement benefits, the Company recorded a reduction in its expenses of $\$ 2,980$ for the year ended December 31, 2014.

## NOTE 11 - Pension Plans and Other Postretirement Benefits-(Continued)

The following table presents the funded status of postretirement benefits other than pensions of active and retired employees (including employees on disability more than 2 years) as of December 31, 2014 (the measurement date) reconciled with amounts recognized in the Company's Consolidated Balance Sheets. The tables present postretirement expenses and liabilities only for those years in which the Company incurred expenses or accrued liabilities.


## NOTE 11 - Pension Plans and Other Postretirement Benefits-(Continued)

## Sensitivity Analysis and Assumptions for Postretirement Benefits Other than Pensions

A one percentage point change in the assumed health care cost trend rate for each year would change the accumulated postretirement benefit obligations as follows:


The discount rates were based on the average yield for long-term, high-grade securities available during the benefit payout period. To set its discount rate, the Company looks to leading indicators, including the Mercer Above Mean Yield Curve.

## 2017 Contributions

In 2017, there is no minimum funding requirement for the Company's defined benefit plan. The following table discloses that minimum funding requirement and the expected full year contributions for the Company's plans.

|  | Defined Benefit Pension Plans |  |  |
| :---: | :---: | :---: | :---: |
|  | Defined Benefit Plan |  | Supplemental Defined Benefit Plans |
| Minimum funding requirement for 2017. | \$ | - | N/A |
| Expected contributions (approximations) <br> for the year ended December 31, 2017 |  |  |  |
| as of the time of this Form 10-K (1) |  |  | \$1,318 |

## N/A - Not applicable.

(1) HMEC's Annual Report on Form 10-K for the year ended December 31, 2016.

## NOTE 11 - Pension Plans and Other Postretirement Benefits-(Continued)

## Estimated Future Benefit Payments

The Company's defined benefit plan may be subject to settlement accounting. Assumptions for both the number of individuals retiring in a calendar year and their elections regarding lump sum distributions are significant factors impacting the payout patterns for each of the plans below. Therefore, actual results could vary from the estimates shown. Estimated future benefit payments as of December 31, 2016 were as follows:

|  | 2017 | 2018 | 2019 | 2020 | 2021 | 2022-2026 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pension plans |  |  |  |  |  |  |
| Defined benefit plan....................... | \$2,850 | \$2,752 | \$3,043 | \$2,431 | \$2,180 | \$10,275 |
| Supplemental retirement plans ......... | 1,318 | 1,305 | 1,291 | 1,274 | 1,256 | 5,909 |

## NOTE 12 - Contingencies and Commitments

## Lawsuits and Legal Proceedings

Companies in the insurance industry have been subject to substantial litigation resulting from claims, disputes and other matters. For instance, they have faced expensive claims, including class action lawsuits, alleging, among other things, improper sales practices and improper claims settlement procedures. Negotiated settlements of certain such actions have had a material adverse effect on many insurance companies.

At the time of this Annual Report on Form 10-K, the Company does not have pending litigation from which there is a reasonable possibility of material loss.

## Assessments for Insolvencies of Unaffiliated Insurance Companies

The Company is contingently liable for possible assessments under regulatory requirements pertaining to potential insolvencies of unaffiliated insurance companies. Liabilities, which are established based upon regulatory guidance, have generally been insignificant.

Leases
The Company has entered into various operating lease agreements, primarily for real estate (claims and marketing offices in a few states, as well as portions of the home office complex) and also for computer equipment and copy machines. Rental expenses were $\$ 2,546, \$ 2,872$ and $\$ 2,823$ for the years ended December 31, 2016, 2015 and 2014, respectively. Future minimum lease payments under leases expiring subsequent to December 31, 2016 are as follows:

|  | As of December 31, 2016 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2017 | 2018 | 2019 | 2020 | 2021 | $\begin{aligned} & \hline 2022- \\ & 2026 \\ & \hline \end{aligned}$ | 2027 and beyond |
| Minimum operating lease payments..... | \$2,608 | \$2,583 | \$2,400 | \$1,598 | \$1,147 | \$1,627 | \$ - |

## NOTE 12 - Contingencies and Commitments-(Continued)

Investment Commitments
From time to time, the Company has outstanding commitments to purchase investments and/or commitments to lend funds under bridge loans. Unfunded commitments to purchase investments were \$135,054 and \$147,139 for the years ended December 31, 2016 and 2015, respectively.

## NOTE 13 - Supplementary Data on Cash Flows

A reconciliation of net income to net cash provided by operating activities as presented in the Consolidated Statements of Cash Flows is as follows:

|  | Year Ended December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| Cash flows from operating activities |  |  |  |
| Net income . | \$ 83,765 | \$ 93,482 | \$104,243 |
| Adjustments to reconcile net income to net cash provided by operating activities: |  |  |  |
| Net realized investment gains.. | $(4,123)$ | $(12,713)$ | $(10,917)$ |
| Increase in accrued investment income | $(2,208)$ | $(2,566)$ | $(5,563)$ |
| Increase (decrease) in accrued expenses | 4,378 | $(5,798)$ | 1,513 |
| Depreciation and amortization | 6,896 | 7,734 | 7,958 |
| Increase in insurance liabilities | 176,315 | 145,313 | 153,423 |
| Increase in premium receivables | $(11,496)$ | $(8,641)$ | $(3,638)$ |
| Increase in deferred policy acquisition costs | $(15,859)$ | $(8,981)$ | $(12,662)$ |
| (Increase) decrease in reinsurance recoverables. | (481) | (748) | 1,570 |
| (Decrease) increase in income tax liabilities.............................. | $(1,293)$ | 8,935 | 9,745 |
| Debt retirement costs | - | 2,338 | - |
| Other | $(28,476)$ | $(11,312)$ | $(23,739)$ |
| Total adjustments............................................................... | 123,653 | 113,561 | 117,690 |
| Net cash provided by operating activities ........................... | \$207,418 | \$207,043 | \$221,933 |

The Company's redemption of debt in 2015 resulted in non-cash financing charges of \$45.

## NOTE 14 - Segment Information

The Company conducts and manages its business through four segments. The three operating segments, representing the major lines of insurance business, are: Property and Casualty segment, primarily personal lines automobile and homeowners products; Retirement segment, primarily tax-qualified fixed and variable annuities; and Life segment life insurance. The Company does not allocate the impact of corporate-level transactions to these operating segments, consistent with the basis for management's evaluation of the results of those segments, but classifies those items in the fourth segment, Corporate and Other. In addition to ongoing transactions such as corporate debt service, realized investment gains and losses and certain public company expenses, such items also have included corporate debt retirement costs/gains, when applicable.

The accounting policies of the segments are the same as those described in "Note 1 -Summary of Significant Accounting Policies". The Company accounts for intersegment transactions, primarily the allocation of operating and agency costs from the Corporate and Other segment to the Property and Casualty, Retirement and Life segments, on a direct cost basis.

Summarized financial information for these segments is as follows:

|  | Year Ended December 31, |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2016 |  | 2015 |  | 2014 |  |
| Insurance premiums and contract charges earned |  |  |  |  |  |  |
| Property and Casualty .. | \$ | 620,514 | \$ | 595,958 |  | \$ 581,828 |
| Retirement. |  | 24,937 |  | 25,378 |  | 25,540 |
| Life. |  | 113,695 |  | 110,544 |  | 108,392 |
| Total | \$ | 759,146 |  | 731,880 |  | \$ 715,760 |
| Net investment income |  |  |  |  |  |  |
| Property and Casualty . | \$ | 38,998 | \$ | 33,461 |  | \$ 36,790 |
| Retirement |  | 249,410 |  | 228,378 |  | 222,071 |
| Life. |  | 73,567 |  | 71,614 |  | 71,865 |
| Corporate and Other |  | 66 |  | 38 |  | 14 |
| Intersegment eliminations. |  | (855) |  | (891) |  | (925) |
| Total | \$ | 361,186 |  | 332,600 |  | \$ 329,815 |
| Net income (loss) |  |  |  |  |  |  |
| Property and Casualty | \$ | 25,644 | \$ | 40,043 |  | \$ 46,907 |
| Retirement |  | 50,674 |  | 43,384 |  | 45,336 |
| Life. |  | 16,559 |  | 14,982 |  | 17,503 |
| Corporate and Other |  | $(9,112)$ |  | $(4,927)$ |  | $(5,503)$ |
| Total. | \$ | 83,765 | \$ | 93,482 |  | \$ 104,243 |
|  |  |  |  | ecember 31, |  |  |
|  |  | 2016 |  | 2015 |  | 2014 |
| Assets |  |  |  |  |  |  |
| Property and Casualty | \$ | 1,110,958 |  | 1,098,415 |  | \$1,107,962 |
| Retirement. |  | 7,449,777 |  | 7,001,411 |  | 6,683,473 |
| Life.. |  | 1,912,771 |  | 1,862,719 |  | 1,858,150 |
| Corporate and Other. |  | 140,104 |  | 131,635 |  | 155,497 |
| Intersegment eliminations. |  | $(36,786)$ |  | $(37,208)$ |  | $(36,736)$ |
| Total ......................................................................................... |  | 10,576,824 |  | 10,056,972 |  | \$9,768,346 |

## NOTE 14 - Segment Information-(Continued)

Additional significant financial information for these segments is as follows:

|  | Year Ended December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| Policy acquisition expenses amortized |  |  |  |
| Property and Casualty | \$74,950 | \$73,173 | \$71,327 |
| Retirement | 14,635 | 18,155 | 14,781 |
| Life. | 7,147 | 7,591 | 7,709 |
| Total | \$96,732 | \$98,919 | \$93,817 |
| Income tax expense (benefit) |  |  |  |
| Property and Casualty . | \$ 4,627 | \$11,274 | \$13,944 |
| Retirement. | 20,334 | 19,873 | 21,319 |
| Life. | 9,775 | 7,951 | 9,432 |
| Corporate and Other. | $(4,269)$ | $(3,128)$ | $(2,825)$ |
| Total | \$30,467 | \$35,970 | \$41,870 |

## NOTE 15 - Unaudited Selected Quarterly Financial Data

## Selected quarterly financial data is presented below.

|  | Three Months Ended |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | December 31, | September 30, | June 30, | March 31, |
| 2016 |  |  |  |  |
| Insurance premiums written and contract deposits ...... | \$315,917 | \$351,534 | \$311,879 | \$283,169 |
| Total revenues ...................................................... | 282,873 | 291,176 | 283,558 | 271,303 |
| Net income | 19,823 | 26,923 | 11,866 | 25,153 |
| Per share information |  |  |  |  |
| Basic |  |  |  |  |
| Net income | \$ 0.48 | \$ 0.66 | \$ 0.29 | \$ 0.61 |
| Shares of common stock - weighted average (1).. | 41,093 | 41,092 | 41,082 | 41,297 |
| Diluted |  |  |  |  |
| Net income. | \$ 0.48 | \$ 0.65 | \$ 0.29 | \$ 0.61 |
| Shares of common stock and equivalent shares weighted average (1). | 41,482 | 41,347 | 41,314 | 41,492 |
| 2015 |  |  |  |  |
| Insurance premiums written and contract deposits ...... | \$305,186 | \$326,198 | \$319,394 | \$305,735 |
| Total revenues ...................................................... | 276,106 | 265,753 | 268,470 | 270,119 |
| Net income. | 21,040 | 21,984 | 16,183 | 34,275 |
| Per share information |  |  |  |  |
| Basic |  |  |  |  |
| Net income.................................................... | \$ 0.51 | \$ 0.53 | \$ 0.39 | \$ 0.82 |
| Shares of common stock - weighted average (1).. | 41,564 | 41,852 | 41,990 | 41,950 |
| Diluted |  |  |  |  |
| Net income | \$ 0.50 | \$ 0.52 | \$ 0.38 | \$ 0.81 |
| Shares of common stock and equivalent shares weighted average (1). | 42,127 | 42,305 | 42,425 | 42,300 |
| 2014 |  |  |  |  |
| Insurance premiums written and contract deposits ....... | \$292,241 | \$322,746 | \$292,393 | \$260,275 |
| Total revenues ....................................................... | 269,157 | 265,520 | 264,743 | 261,265 |
| Net income. | 30,068 | 25,357 | 20,452 | 28,366 |
| Per share information |  |  |  |  |
| Basic |  |  |  |  |
| Net income. | \$ 0.72 | \$ 0.61 | \$ 0.49 | \$ 0.69 |
| Shares of common stock - weighted average (1)... | 41,748 | 41,514 | 41,432 | 41,180 |
| Diluted |  |  |  |  |
| Net income....................................................... | \$ 0.71 | \$ 0.60 | \$ 0.48 | \$ 0.67 |
| Shares of common stock and equivalent shares weighted average (1). | 42,362 | 42,319 | 42,310 | 42,259 |

[^5]
## HORACE MANN EDUCATORS CORPORATION

## SUMMARY OF INVESTMENTS-OTHER THAN INVESTMENTS IN RELATED PARTIES December 31, 2016

## (Dollars in thousands)

| Type of Investments | Cost (1) | Fair Value | Amount Shown in Balance Sheet |
| :---: | :---: | :---: | :---: |
| Fixed maturities |  |  |  |
| U.S. Government and federally sponsored agency obligations | \$ 921,477 | \$ 946,268 | \$ 946,268 |
| States, municipalities and political subdivisions....................... | 1,648,252 | 1,769,398 | 1,769,398 |
| Foreign government bonds.................................................. | 93,864 | 98,669 | 98,669 |
| Public utilities | 140,893 | 159,328 | 159,328 |
| Other bonds..................................................................... | 4,347,641 | 4,483,045 | 4,483,045 |
| Total fixed maturity securities ......................................... | 7,152,127 | 7,456,708 | 7,456,708 |
| Equity securities |  |  |  |
| Non-redeemable preferred stocks | 52,294 | 50,048 | 50,048 |
| Common stocks. | 61,715 | 72,233 | 72,233 |
| Closed-end fund | 20,004 | 19,368 | 19,368 |
| Total equity securities ................................................... | 134,013 | 141,649 | 141,649 |
| Short-term investments ........................................................... | 44,918 | XXX | 44,918 |
| Policy loans. | 151,908 | XXX | 151,908 |
| Derivative instruments. | 8,694 | XXX | 8,694 |
| Mortgage loans | 57 | XXX | 57 |
| Other | 195,438 | XXX | 195,438 |
| Total investments ......................................................... | \$7,687,155 | XXX | \$7,999,372 |

(1) Bonds at original cost reduced by repayments and adjusted for amortization of premiums or accrual of discounts and impairment in value of specifically identified investments.

## HORACE MANN EDUCATORS CORPORATION <br> (Parent Company Only)

## CONDENSED FINANCIAL INFORMATION OF REGISTRANT

## BALANCE SHEETS

As of December 31, 2016 and 2015 (Dollars in thousands, except per share data)

|  |  |  |
| :---: | :---: | :---: |
|  | 2016 | 2015 |
| ASSETS |  |  |
| Investments and cash | \$ 4,069 | \$ 13,237 |
| Investment in subsidiaries | 1,487,457 | 1,451,290 |
| Other assets | 60,057 | 57,743 |
| Total assets ............................................................................ | \$1,551,583 | \$1,522,270 |
| LIABILITIES AND SHAREHOLDER | QUITY |  |
| Long-term debt. | \$ 247,209 | \$ 246,975 |
| Other liabilities. | 10,392 | 10,634 |
| Total liabilities. | 257,601 | 257,609 |
| Preferred stock, \$0.001 par value, authorized 1,000,000 shares; none issued. | - | - |
| Common stock, $\$ 0.001$ par value, authorized $75,000,000$ shares; issued, 2016, 64,917,683; 2015, 64,537,554 | 65 | 65 |
| Additional paid-in capital .................................................................... | 453,479 | 442,648 |
| Retained earnings.. | 1,155,732 | 1,116,277 |
| Accumulated other comprehensive income (loss), net of taxes: |  |  |
| Net unrealized investment gains on fixed maturities and equity securities | 175,738 | 175,167 |
| Net funded status of pension benefit obligations .................................. | $(11,817)$ | $(11,794)$ |
| Treasury stock, at cost, 2016, 24,672,932 shares; 2015, 23,971,522 shares | $(479,215)$ | $(457,702)$ |
| Total shareholders' equity.......................................................... | 1,293,982 | 1,264,661 |
| Total liabilities and shareholders' equity.................................... | \$1,551,583 | \$1,522,270 |

## HORACE MANN EDUCATORS CORPORATION (Parent Company Only)

CONDENSED FINANCIAL INFORMATION OF REGISTRANT
STATEMENTS OF OPERATIONS
(Dollars in thousands)

|  | Year Ended December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| Revenues |  |  |  |
| Net investment income. | \$ 20 | \$ 33 | \$ 10 |
| Realized investment gains. | - | - | - |
| Total revenues | 20 | 33 | 10 |
| Expenses |  |  |  |
| Interest. | 11,808 | 13,122 | 14,198 |
| Debt retirement costs. | - | 2,338 | - |
| Other. | 5,631 | 5,153 | 5,071 |
| Total expenses. | 17,439 | 20,613 | 19,269 |
| Loss before income tax benefit and equity in net earnings of subsidiaries. | $(17,419)$ | $(20,580)$ | $(19,259)$ |
| Income tax benefit. | $(6,076)$ | $(7,202)$ | $(6,734)$ |
| Loss before equity in net earnings of subsidiaries................ | $(11,343)$ | $(13,378)$ | $(12,525)$ |
| Equity in net earnings of subsidiaries ..................................... | 95,108 | 106,860 | 116,768 |
| Net income ........................................................................ | \$83,765 | \$ 93,482 | \$104,243 |

## SCHEDULE II

## HORACE MANN EDUCATORS CORPORATION (Parent Company Only)

## CONDENSED FINANCIAL INFORMATION OF REGISTRANT <br> STATEMENTS OF CASH FLOWS

(Dollars in thousands)

|  | Year Ended December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2016 | 2015 | 2014 |
| Cash flows - operating activities |  |  |  |
| Interest expense paid | \$(11,754) | \$ $(13,521)$ | \$(13,902) |
| Federal income taxes recovered. | 8,914 | 8,413 | 10,030 |
| Cash dividends received from subsidiaries.. | 59,600 | 50,000 | 46,000 |
| Other, net, including settlement of payables to subsidiaries .... | $(3,434)$ | $(4,097)$ | $(1,478)$ |
| Net cash provided by operating activities.......................... | 53,326 | 40,795 | 40,650 |
| Cash flows - investing activities |  |  |  |
| Net increase (decrease) in investments.............................. | 9,161 | 15,402 | $(4,647)$ |
| Net cash provided by (used in) investing activities.............. | 9,161 | 15,402 | $(4,647)$ |
| Cash flows - financing activities |  |  |  |
| Dividends paid to shareholders .......................................... | $(44,310)$ | $(42,523)$ | $(39,237)$ |
| Proceeds from issuance of Senior Notes due 2025................ | - | 246,937 | - |
| Redemption of Senior Notes due 2016................................ | - | $(127,292)$ |  |
| Maturity of Senior Notes due 2015 | - | $(75,000)$ | - |
| Principal repayment on Bank Credit Facility ......................... | - | $(38,000)$ | - |
| Acquisition of treasury stock | $(21,513)$ | $(21,950)$ | $(5,411)$ |
| Exercise of stock options .................................................. | 3,329 | 1,629 | 8,252 |
| Net cash used in financing activities ................................ | $(62,494)$ | $(56,199)$ | $(36,396)$ |
| Net decrease in cash.. | (7) | (2) | (393) |
| Cash at beginning of period ................................................. | 75 | 77 | 470 |
| Cash at end of period.......................................................... | \$ 68 | \$ 75 | \$ 77 |

HORACE MANN EDUCATORS CORPORATION (Parent Company Only)

## CONDENSED FINANCIAL INFORMATION OF REGISTRANT

## NOTE TO CONDENSED FINANCIAL STATEMENTS

The accompanying condensed financial statements should be read in conjunction with the Consolidated Financial Statements and the accompanying notes thereto.

## HORACE MANN EDUCATORS CORPORATION

## SCHEDULE III: SUPPLEMENTARY INSURANCE INFORMATION

## SCHEDULE VI: SUPPLEMENTAL INFORMATION CONCERNING PROPERTY AND CASUALTY INSURANCE OPERATIONS



See accompanying Report of Independent Registered Public Accounting Firm.

## HORACE MANN EDUCATORS CORPORATION

## REINSURANCE

(Dollars in thousands)

| Column A |  | Column B <br> Gross <br> Amount | $\begin{gathered} \text { Column C } \\ \hline \text { Ceded to } \\ \text { Other } \\ \text { Companies } \end{gathered}$ |  | Column D <br> Assumed <br> from Other <br> Companies |  | Column E <br> Net <br> Amount | Column F <br> Percentage <br> of Amount <br> Assumed to Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year ended December 31, 2016 |  |  |  |  |  |  |  |  |
| Life insurance in force. | \$17,025,125 |  | \$4,065,449 |  | \$ |  | 12,959,676 | - |
| Premiums |  |  |  |  |  |  |  |  |
| Property and Casualty............. | \$ | 632,372 | \$ | 16,179 | \$4,321 | \$ | 620,514 | 0.7\% |
| Retirement ................. |  | 24,937 |  |  | - |  | 24,937 | - |
| Life ............ |  | 120,342 |  | 6,647 | - |  | 113,695 | - |
| Total premiums................... | \$ | 777,651 | \$ | 22,826 | \$4,321 |  | 759,146 | 0.6\% |
| Year ended December 31, 2015 |  |  |  |  |  |  |  |  |
| Life insurance in force. | \$16,504,539 |  | \$3,625,946 |  | \$ |  | 12,878,593 | - |
| Premiums |  |  |  |  |  |  |  |  |
| Property and Casualty............. | \$ | 610,347 | \$ | 18,548 | \$4,159 | \$ | 595,958 | 0.7\% |
| Retirement |  | 25,378 |  | - | - |  | 25,378 | - |
| Life |  | 117,073 |  | 6,529 | - |  | 110,544 | - |
| Total premiums................... | \$ 752,798 |  | \$ | 25,077 | \$4,159 | \$ | 731,880 | 0.6\% |
| Year ended December 31, 2014 |  |  |  |  |  |  |  |  |
| Life insurance in force. | \$15,800,701 |  | \$3,360,016 |  | \$ |  | 12,440,685 | - |
| Premiums |  |  |  |  |  |  |  |  |
| Property and Casualty... | \$ | 599,230 |  | \$ 21,157 | \$3,755 |  | \$ 581,828 | 0.6\% |
| Retirement. |  | 25,540 |  | - | - |  | 25,540 | - |
| Life ................................ |  | 114,511 |  | 6,119 | - |  | 108,392 | - |
| Total premiums................... | \$ 739,281 |  | \$ 27,276 |  | \$3,755 | \$ | 715,760 | 0.5\% |

Note: Premiums above include insurance premiums earned and contract charges earned.


[^0]:    (1) Related to securities for which an unrealized loss was bifurcated to distinguish the credit-related portion and the portion driven by other market factors. Represents the amount of other-than-temporary impairment losses in AOCI which was not included in earnings; amounts also include net unrealized investment gains and losses on such impaired securities relating to changes in the fair value of those securities subsequent to the impairment measurement date.
    (2) Fair value includes securities issued by Federal National Mortgage Association ("FNMA") of $\$ 196,468$ and $\$ 231,294$; Federal Home Loan Mortgage Corporation ("FHLMC") of $\$ 284,050$ and $\$ 363,957$; and Government National Mortgage Association ("GNMA") of $\$ 115,627$ and $\$ 130,940$ as of December 31, 2016 and 2015, respectively.
    (3) Includes nonredeemable (perpetual) preferred stocks, common stocks and closed-end funds.

[^1]:    (1) Includes nonredeemable (perpetual) preferred stocks, common stocks and closed-end funds.

[^2]:    (1) Represents embedded derivatives, all related to the Company's FIA products, reported in Other policyholder funds in the Company's Consolidated Balance Sheets.
    (2) Includes U.S. Government and federally sponsored agency obligations for mortgage-backed securities and other mortgage-backed securities.
    (3) Transfers into and out of Level 3 during the years ended December 31, 2016 and 2015 were attributable to changes in the availability of observable market information for individual fixed maturity securities and short-term investments. The Company's policy is to recognize transfers into and transfers out of the levels as having occurred at the end of the reporting period in which the transfers were determined.

[^3]:    (1) As assigned by Standard \& Poor's Corporation ("S\&P") and Moody's Investors Service, Inc. ("Moody's").

[^4]:    * Not applicable.

[^5]:    (1) Rounded to thousands.

