

**ABR REINSURANCE LTD.**

**Financial Statements**

**December 31, 2018 and 2017**

**ABR REINSURANCE LTD.**

**Index to Financial Statements**

Independent Auditor's Report.....	1
Balance Sheets as of December 31, 2018 and 2017 .....	3
Statements of Income for the years ended December 31, 2018 and 2017 .....	4
Statements of Shareholder's Equity for the years ended December 31, 2018 and 2017 .....	5
Statements of Cash Flows for the years ended December 31, 2018 and 2017 .....	6
Notes to Financial Statements.....	7



March 25, 2019

## **Report of Independent Auditors**

### **To the Board of Directors and Shareholder of ABR Reinsurance Ltd.**

We have audited the accompanying financial statements of ABR Reinsurance Ltd., which comprise the balance sheets as of December 31, 2018 and December 31, 2017, and the related statements of income, shareholder's equity and cash flows for the years then ended.

#### **Management's responsibility for the financial statements**

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

#### **Auditors' responsibility**

Our responsibility is to express an opinion on the financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on our judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, we consider internal control relevant to the Company's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

#### **Opinion**

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of ABR Reinsurance Ltd. as of December 31, 2018 and December 31, 2017, and the results of its operations and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.



#### **Other Matter**

Accounting principles generally accepted in the United States of America require that the required supplemental information under Accounting Standards Update 2015-09, Disclosure about Short-Duration Contracts labelled as Unaudited within note 6 on pages 22 to 29 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Financial Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

*PricewaterhouseCoopers Ltd.*

**Chartered Professional Accountants**

**ABR REINSURANCE LTD.**  
**BALANCE SHEETS**  
**As at December 31, 2018 and 2017**  
(Expressed in '000 U.S. dollars)

	<b>December 31, 2018</b>	<b>December 31, 2017</b>
<b>Assets</b>		
Investments		
Fixed maturities at fair value (amortized cost: \$599,654 and \$576,325)	\$ 545,139	558,034
Equity interests at fair value (cost: \$538,447 and \$472,432)	624,651	525,170
Total investments	1,169,790	1,083,204
Cash and cash equivalents	98,881	126,565
Accrued investment income	8,743	8,977
Intercompany receivable	59	1,311
Premiums receivable	87,326	99,175
Receivable for securities sold	23,016	10,167
Reinsurance recoverable on losses and loss expenses	12,099	-
Deferred acquisition costs	65,729	68,448
Other assets	7,635	5,463
Prepaid expenses	568	477
<b>Total assets</b>	\$ 1,473,846	1,403,787
<b>Liabilities</b>		
Unpaid losses and loss adjustment expenses	\$ 520,683	439,474
Unearned premium reserve	185,715	197,005
Reinsurance balances payable	10,784	8,542
Payable for securities purchased	2,454	5,859
Notes payable	6,927	1,946
Accounts payable and accrued expenses	15,340	17,134
Other payables	2,986	3,900
<b>Total liabilities</b>	\$ 744,889	673,860
<b>Shareholder's equity</b>		
Common shares	\$ 1,000	1,000
Additional paid-in capital	754,632	785,250
Retained earnings (deficit)	(26,675)	(56,323)
<b>Total shareholder's equity</b>	728,957	729,927
<b>Total liabilities and shareholder's equity</b>	\$ 1,473,846	1,403,787

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

**ABR REINSURANCE LTD.**  
**STATEMENTS OF INCOME**  
**For the years ended December 31, 2018 and 2017**  
(Expressed in '000 U.S. dollars)

	<u>Year ended</u> <u>December 31, 2018</u>	<u>Year ended</u> <u>December 31, 2017</u>
<b>Revenues</b>		
Gross premiums written	\$ 305,862	346,708
Reinsurance premiums ceded	(4,183)	(3,928)
Net premiums written	<u>301,679</u>	<u>342,780</u>
(Increase) decrease in unearned premiums	11,396	(20,892)
Net premiums earned	<u>313,075</u>	<u>321,888</u>
Unrealized gains (losses) on investments	6,785	31,617
Realized gains (losses) on investments	28,181	1,612
Interest, dividend, and amortization income, net	39,959	34,427
Foreign exchange gains (losses) on investments	(10,628)	9,239
<b>Total revenues</b>	<u>377,372</u>	<u>398,783</u>
<b>Expenses</b>		
Loss and loss adjustment expenses	(216,367)	(346,492)
Policy acquisition costs	(104,805)	(103,508)
General and administrative expenses	(8,363)	(5,923)
Management and performance fees	(17,632)	(22,965)
Other investment expenses	(919)	(631)
Interest expense on notes payable	(119)	-
Other income (expense)	481	(423)
<b>Total expenses</b>	<u>(347,724)</u>	<u>(479,942)</u>
<b>Net income (loss)</b>	<u>\$ 29,648</u>	<u>(81,159)</u>

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

**ABR REINSURANCE LTD.**  
**STATEMENTS OF SHAREHOLDER'S EQUITY**  
**For the years ended December 31, 2018 and 2017**  
(Expressed in '000 U.S. dollars)

	<u>Year ended December 31, 2018</u>	<u>Year ended December 31, 2017</u>
<b>Common shares</b>		
Balance – beginning of period	\$ 1,000	1,000
Share based compensation	-	-
Common shares issued (repurchased), net	-	-
Balance – end of period	<u>1,000</u>	<u>1,000</u>
<b>Additional paid-in capital</b>		
Balance – beginning of period	785,250	784,448
Share based compensation	1,382	802
Distribution of capital to Parent	(32,000)	-
Balance – end of period	<u>754,632</u>	<u>785,250</u>
<b>Retained earnings (deficit)</b>		
Balance – beginning of period	(56,323)	24,836
Net income (loss)	<u>29,648</u>	<u>(81,159)</u>
Balance – end of period	<u>(26,675)</u>	<u>(56,323)</u>
<b>Total shareholders' equity</b>	<u>\$ 728,957</u>	<u>729,927</u>

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

**ABR REINSURANCE LTD.**  
**STATEMENTS OF CASH FLOWS**  
**For the years ended December 31, 2018 and 2017**  
(Expressed in '000 U.S. dollars)

	<b>Year ended December 31, 2018</b>	<b>Year ended December 31, 2017</b>
<b>Operating activities</b>		
Net income (loss)	\$ 29,648	(81,159)
Adjustments to reconcile net income (loss) to net cash flows from operating activities:		
Net unrealized (gain) loss on investments	2,771	(41,571)
Net realized (gain) loss on investments	(18,603)	(4,376)
Amortization (income) expense	(685)	(798)
Share-based compensation	1,382	802
Accrued investment income	234	(678)
Intercompany receivable	1,252	(1,294)
Premiums receivable	11,850	(12,846)
Reinsurance recoverable on losses and loss expenses	(12,099)	-
Deferred acquisition costs	2,719	(10,100)
Unpaid losses and loss adjustment expenses	81,210	278,507
Unearned premiums	(11,290)	21,087
Reinsurance balances payable	2,243	4,817
Notes payable	4,980	1,946
Accounts payable, accrued expenses, and other payables	(2,707)	7,788
Prepaid expenses and other assets	(2,265)	(877)
Net cash provided by operating activities	90,640	161,248
<b>Investing activities</b>		
Purchase of fixed maturities	(318,616)	(855,140)
Purchase of private equity and hedge fund interests	(212,680)	(187,973)
Sale and principal paydown of fixed maturities	263,343	338,065
Maturities of fixed maturity securities	4,908	432,375
Sale of private equity and hedge fund investments	169,203	99,185
Net derivative instruments settlements	7,531	(7,467)
Net cash used for investing activities	(86,311)	(180,955)
<b>Financing activities</b>		
Distribution of capital	(32,000)	-
Net cash used for financing activities	(32,000)	-
Effects of exchange rate changes on foreign currency cash	(13)	(1)
Increase (decrease) in cash	(27,684)	(19,708)
Cash and cash equivalents, beginning of period	126,565	146,273
<b>Cash and cash equivalents, end of period</b>	\$ 98,881	126,565
<b>Supplemental information</b>		
<b>Noncash operating activities</b>		
Securities received in-kind	\$ (5,472)	(4,794)
<b>Noncash investing activities</b>		
Securities received in-kind	\$ 5,472	4,794

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



**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

## 1. General

ABR Reinsurance Ltd. (collectively, “we”, the “Company” or “ABR Re”) was incorporated under the laws of Bermuda on March 6, 2015 and is a wholly-owned subsidiary of ABR Reinsurance Capital Holdings Ltd. (the “Parent”). The Parent was incorporated under the laws of Bermuda on December 15, 2014.

The Company is licensed as a Class 4 insurer under the Insurance Act 1978 of Bermuda, as amended, and related regulations (the “Insurance Act”) and is licensed to underwrite general business on an insurance and reinsurance basis. ABR Re offers a broad array of non-life reinsurance products and protection to the (re)insurance subsidiaries of Chubb Limited (“Chubb”) under the terms of a master reinsurance program agreement (the “Master Agreement”) entered into with its predecessor company, ACE Limited. On January 14, 2016 ACE Limited completed the acquisition of The Chubb Corporation and adopted the Chubb name globally. Throughout these notes to the financial statements references to Chubb apply to Chubb Limited and its (re)insurance subsidiaries under both the previous name and the current parent company name.

Although the Master Agreement allows the Company to sell reinsurance protection to third-party cedents not owned or controlled by Chubb in certain limited circumstances, ABR Re’s license provides that it shall not enter into contracts of (re)insurance other than with Chubb and/or its affiliates without obtaining the prior written approval of the Bermuda Monetary Authority (the “BMA”). The Company underwrites reinsurance on exposures worldwide. The Company commenced operations on April 1, 2015. These financial statements are presented for the years ended December 31, 2018 and 2017.

To begin operations the Parent raised \$800 million of capital consisting of \$800 million in common equity (\$787.5 million net of issuance costs). Chubb acquired 11.3% of the Parent’s common equity. BlackRock, Inc. (“BlackRock”) acquired 9.9% of the Parent’s common equity.

Pursuant to the Master Agreement, Chubb offers to ABR Re the opportunity to participate as a reinsurer with respect to a portfolio of non-life, non-property catastrophe reinsurance contracts and property catastrophe reinsurance contracts written by Chubb’s (re)insurance company subsidiaries and offered to other third-party reinsurers. Participation on the reinsurance contracts is offered on the same or substantially similar terms and conditions (other than terms and conditions governed by the Master Agreement or a global trading agreement the Company entered into with Chubb which provides for certain uniform terms and conditions to be incorporated by reference into all reinsurance contracts entered into between the Company and Chubb (re)insurance company subsidiaries), and in the same or substantially similar manner, as such reinsurance contracts are offered to other third-party reinsurers. See Note 9, “Transactions with Related Parties,” for further details.

The Company has engaged Oasis Insurance Services Ltd. (“Oasis”), a company incorporated in Bermuda and a subsidiary of Chubb, to provide certain administrative services pursuant to a services agreement dated March 23, 2015 (the “Oasis Services Agreement”). The Company has also entered into an arrangement with ACE INA Overseas Insurance Company Ltd. (“AIOIC”) and Chubb Tempest Reinsurance Ltd. (“CTR”), both companies incorporated in Bermuda and subsidiaries of Chubb, to reinsure risks from certain of Chubb’s (re)insurance company subsidiaries and then retrocede those same risks to the Company pursuant to an agreement effective April 1, 2015 and as amended (the “Alternative Collateral Facility”). See Note 9, “Transactions with Related Parties,” for further details.

The Company has engaged BlackRock Financial Management, Inc. (the “Investment Manager” or “BFM”), a subsidiary of BlackRock, as investment manager of the assets in the Company’s investment account pursuant to an Investment Management Agreement, dated March 26, 2015 and as amended (the “Investment Management Agreement”). The Investment Manager invests the Company’s assets to build and maintain a diversified portfolio consisting of four broad asset classes (liquid stable income, liquid total

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

return, private income and private total return) in a manner seeking to maintain an appropriate balance among liquidity, capital preservation and total return maximization across the investment cycle, subject to the terms of the Investment Management Agreement and the oversight of management and the Board of Directors. See Note 9, "Transactions with Related Parties," for further details.

- Liquid stable income consists of generally highly liquid assets, with historically low volatility and a stable return profile, comprised primarily of income generated
- Liquid total return consists of generally relatively liquid assets, with historically medium-to-high volatility and a relatively stable return profile, comprised of both price appreciation and income generated
- Private income consists of generally illiquid assets, with historically medium-to-high volatility and a relatively stable return profile, comprised largely of income generated and some price appreciation
- Private total return consists of generally highly illiquid assets, with historically high volatility and a relatively unpredictable return profile, comprised largely of price appreciation at the end of the investment's life

The Company has separately engaged the Investment Manager to provide certain investment administration, accounting, and reporting support services, pursuant to a services agreement effective as of April 1, 2015 (the "BlackRock Services Agreement"). See Note 9, "Transactions with Related Parties," for further details.

## **2. Significant Accounting Policies**

### ***(a) Basis of presentation***

The accompanying financial statements have been prepared in conformity with accounting principles generally accepted in the United States of America ("GAAP"). The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Amounts included in the financial statements reflect the Company's best estimates and assumptions. Actual results could differ from those estimated amounts.

The Company's principal estimates include, but are not limited to, unpaid losses and loss adjustment expenses, premium revenue and related expenses, reinsurance recoverable and provision for uncollectable reinsurance, and fair value of financial instruments.

### ***(b) Premiums***

Reinsurance premiums written are recorded based on the types of contracts the Company writes. Premiums on the Company's reinsurance contracts are estimated when the business is underwritten. For excess of loss contracts, premiums are generally recorded as written, on the inception date, based on the terms of the contract. Estimates of premiums written under pro rata contracts are generally recorded in the period in which the underlying risks are expected to incept and are based on information provided by the broker and the ceding companies. For multi-period reinsurance contracts which are payable in periodic installments, premium recording depends on whether the contract is non-cancellable. If either party retains the ability to cancel or commute coverage prior to expiration, installments are included as premiums written at policy inception based on the cancellation or commutation terms. The remaining installments would then be included as premiums written at each successive date within the multi-period term that begins the period before the next available cancellation or commutation date. If, on the other hand, the contract is non-cancellable, the full multi-year premiums would generally be recorded as written at policy inception for

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

excess of loss contracts and would follow the convention above for quota share contracts.

Reinsurance premiums written, irrespective of the class of business, are generally recognized in the statements of income as earned on a pro rata basis over the term of the risk exposure period in the contracts, which is either the term of the contracts or the coverage period of the insurance policies underlying the contracts. Contracts written on a "losses occurring" basis cover claims that may occur during the term of the contract, which is typically 12 months. Contracts which are written on a "risks attaching" basis cover claims which attach to the underlying insurance policies written during the terms of such contracts. Premiums earned on such contracts usually extend beyond the original term of the reinsurance contract, typically resulting in recognition of premiums earned over a 24-month period. The portion of the premiums written applicable to the unexpired risk exposure periods of the reinsurance contracts are recorded as unearned premiums.

Reinsurance premiums written include amounts reported by the broker and ceding companies, supplemented by the Company's own estimates of premiums where reports have not been received. Premium estimates may change over time and may result in adjustments in any reporting period as additional information regarding the underlying business volume is obtained. Premium estimates are updated when new information is received, and differences between such estimates and actual amounts are recorded in the period in which estimates are changed or the actual amounts are determined. Adjustments to premium estimates could be material and such adjustments could directly and significantly impact earnings favorably or unfavorably in the period they are determined because the estimated premium may be fully or substantially earned.

Mandatory reinstatement premiums assessed on reinsurance contracts are earned in the period when the Company is notified of the loss event that gave rise to the reinstatement premiums. The accrual of reinstatement premiums is based on an estimate of losses and loss adjustment expenses, which reflects management's judgment.

***(c) Deferred acquisition costs***

Policy acquisition costs are those costs related to the Company's underwriting operations that vary with, and are directly related to, the successful acquisition or renewal of business. Policy acquisition costs consist principally of commissions, including profit commissions, and brokerage and premium taxes. Profit commissions are calculated and accrued based on the expected loss experience for contracts and recorded when the loss estimate indicates a profit commission is probable under the contract terms. Policy acquisition costs are deferred and amortized over the periods in which the related premiums are earned. Deferred acquisition costs, which are based on the related unearned premiums, are carried at their estimated realizable value and take into account anticipated losses and loss adjustment expenses, based on historical and current experience, and anticipated investment income. Deferred policy acquisition costs are reviewed to determine if they are recoverable from future income, including investment income. Unrecoverable costs are expensed in the period identified.

***(d) Reinsurance***

The Company enters into reinsurance agreements to reduce the net loss potential from accumulations of risks and from large individual risks. Ceded reinsurance contracts do not relieve the Company of its primary obligation to its policyholders, and therefore the Company bears collection risk should its reinsurers be unable to fulfill their contractual obligations with respect to the payments of reinsurance balances owed to the Company. Ceded reinsurance premiums are recorded on the inception date of the contract and are charged to income on a pro rata basis over the term of the risk exposure period in the contract. The portion

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

of the reinsurance premiums ceded applicable to the unexpired risk exposure period of the contract is recorded as prepaid reinsurance premiums and is included in other assets in the balance sheets.

Amounts recoverable from reinsurers are estimated based on the terms and conditions of the ceded reinsurance contracts in a manner consistent with the Company's methods for estimating and establishing its liability for the underlying risks reinsured. Reinsurance recoverable includes the balances due from reinsurance companies for paid and unpaid losses and loss expenses that are expected to be collected from the Company's reinsurers. Reinsurance recoverable is presented net of a provision for uncollectible reinsurance estimated based on management's judgement of the amount of the reinsurance recoverable balance that the Company may not ultimately be able to collect due to reinsurer insolvency, contract dispute, or any other reason. The Company reviews the reinsurance recoverable regularly, and the recoverable is adjusted as necessary. Such adjustments, if any, are reflected in income in the period in which they are determined. See Note 7, "Reinsurance", for further details.

***(e) Investments***

The Company has elected the fair value option for its financial investments in accordance with Financial Accounting Standards Board ("FASB") Accounting Standard Codification 825, *Financial Instruments*. As a result, the Company's financial investments are reported at fair value with changes in fair value included in the statements of income. GAAP defines fair value as the price the Company would receive to sell an asset or pay to transfer a liability (an exit price) in an orderly transaction between market participants at the measurement date. For additional information on fair value measurement refer to Note 4.

The Company uses derivative instruments such as futures, forward, option, and swap contracts for the purpose of managing certain investment portfolio risks and exposures. The Company uses derivatives for economic hedging purposes only. The Company's derivatives do not qualify as hedges for financial reporting purposes. All derivative financial instruments are reported as either assets or liabilities in the balance sheets and are measured at fair value, with changes in the fair value recorded as a component of realized gains (losses) on investments in the statements of income.

Net investment income includes interest and dividend income, realized and unrealized gains and losses, and amortization of market premiums and discounts and is net of investment management fees and expenses. Investment gains or losses realized on the sale of investments are determined on a first-in, first-out basis. See Note 3, "Investments," for further details.

***(f) Cash and cash equivalents***

Cash and cash equivalents include cash on hand, time deposits and money market funds with original maturities of three months or less.

***(g) Unpaid losses and loss adjustment expenses***

A liability is established for the estimated unpaid losses and loss adjustment expenses under the terms of, and with respect to, the reinsurance contracts issued by the Company. The reserve for unpaid losses and loss adjustment expenses consists of estimates of unpaid losses and loss adjustment expenses for reported losses ("case reserves") and losses incurred but not reported ("IBNR"). Case reserves, established by management based on reports from the broker and ceding companies, represent the estimated ultimate cost of events or conditions that have been reported to or specifically identified by the Company. IBNR reserves represent management's estimates of reserves for losses incurred for which reports or claims have not been received. IBNR reserve estimates are generally calculated by first projecting the expected

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

cost of ultimate losses and loss adjustment expenses (expected losses and loss adjustment expenses) and then subtracting paid losses and loss adjustment expenses and case reserves. The methods of determining such estimates and establishing the resulting liability are reviewed regularly, and adjustments are made based on management's judgement.

The Company reviews the reserve for unpaid losses and loss adjustment expenses regularly, and, as experience develops and new information becomes known, the reserves are adjusted as necessary. Such adjustments, if any, are reflected in income in the period in which they are determined. Inherent in the estimates of ultimate losses and loss adjustment expenses are assumptions and judgements, including those regarding future trends in claims severity and frequency and other factors which may vary significantly as claims are settled. Accordingly, ultimate losses and loss adjustment expenses may differ materially from the amounts recorded in the accompanying financial statements. Losses and loss adjustment expenses are recorded on an undiscounted basis.

***(h) Share-based compensation***

The Parent has an equity incentive plan under which employees and directors of the Parent and the Company may be granted restricted shares, restricted share units, and bonus shares. The fair value of the compensation cost is measured at the grant date and is expensed, for restricted rewards, on a straight-line basis over the vesting period. Awards not subject to restrictions are expensed in the period incurred.

***(i) Foreign exchange***

The functional currency of the Company is the U.S. Dollar. Monetary assets and liabilities, such as premiums receivable and the reserve for losses and loss adjustment expenses, denominated in foreign currencies are remeasured at the prevailing exchange rate at the balance sheet date and revenues and expenses denominated in foreign currencies are recorded using transaction-specific rates during the period, as appropriate. Accounts that are classified as non-monetary, such as deferred acquisition costs and unearned premium reserves, are not revalued. Foreign exchange gains and losses are included in the statements of income in the period incurred.

***(j) Recent accounting pronouncements***

**Accounting pronouncements adopted in 2018**

The FASB issued Accounting Standards Update 2018-13, Disclosure Framework-Changes to the Disclosure Requirements for Fair Value Measurement, which amends the disclosure requirements on fair value measurements in Topic 820. The guidance is effective for fiscal years, and interim periods within those fiscal years, beginning after December 15, 2019, and early adoption is permitted. The guidance requires a change in disclosure only and adoption of this guidance did not have an impact on the financial condition of the Company or results of operations.

**Accounting guidance not yet adopted**

The FASB issued Accounting Standards Update 2017-08, Receivables - Nonrefundable Fees and Other Costs (Subtopic 310-20): Premium Amortization of Purchased Callable Debt Securities ("ASU 2017-08"), which amends the amortization period for certain purchased callable debt securities. Under ASU 2017-08, premium amortization of purchased callable debt securities that have explicit, non-contingent call features and are callable at fixed prices will be amortized to the earliest call date. The guidance will be applied on a modified retrospective basis and is effective for fiscal years beginning after December 15, 2019 and interim periods within fiscal years beginning after December 15, 2020. The impact of this guidance

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

on the Company's financial statement disclosures, if any, is being evaluated.

**3. Investments**

The following tables present the broad classification of the Company's investment securities held at December 31, 2018:

**(a) Investments by asset class**

December 31, 2018	Amortized cost / cost	Gross unrealized gains	Gross unrealized losses	Fair value
Liquid stable income	\$ 187,899	1,089	(6,429)	182,559
Liquid total return	172,938	13,411	(6,052)	180,297
Private income	562,589	38,600	(48,396)	552,793
Private total return	214,675	43,929	(4,463)	254,141
	<u>\$ 1,138,101</u>	<u>97,029</u>	<u>(65,340)</u>	<u>1,169,790</u>

**(b) Fixed maturities**

December 31, 2018	Amortized cost / cost	Gross unrealized gains	Gross unrealized losses	Fair value
US Treasury, agency, state, and municipal bonds	\$ 5,976	71	-	6,047
Non-US government bonds	707	-	(1)	706
Corporate and other fixed maturities (publicly traded)	229,934	1,308	(11,034)	220,208
Bank loans	100,382	13	(29,884)	70,511
Private fixed maturity investments	262,655	306	(15,294)	247,667
	<u>\$ 599,654</u>	<u>1,698</u>	<u>(56,213)</u>	<u>545,139</u>

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

**(c) Fixed maturities by contractual maturity**

<b>December 31, 2018</b>	<b>Amortized cost</b>	<b>Fair value</b>
Due in 1 year or less	\$ 22,470	22,333
Due after 1 year through 3 years	96,181	68,439
Due after 3 years through 5 years	93,447	91,470
Due after 5 years through 10 years	130,874	124,087
Due after 10 years	256,682	238,810
	<u>\$ 599,654</u>	<u>545,139</u>

Expected maturities could differ from contractual maturities because borrowers may have the right to call, prepay or extend obligations with or without penalties.

**(d) Private equity and hedge fund investments**

<b>December 31, 2018</b>	<b>Cost</b>	<b>Gross unrealized gains</b>	<b>Gross unrealized losses</b>	<b>Fair value</b>
Hedge funds	\$ 84,453	13,367	(1,186)	96,634
Private equity investments	453,994	81,964	(7,941)	528,017
	<u>\$ 538,447</u>	<u>95,331</u>	<u>(9,127)</u>	<u>624,651</u>

**(e) Investment income by asset type**

<b>December 31, 2018</b>	<b>Net unrealized gains (losses)</b>	<b>Net realized gains (losses)</b>	<b>Net interest, dividend, and amortization income</b>	<b>Foreign exchange gains (losses)</b>	<b>Gross investment income (loss)</b>
Cash and cash equivalents	\$ -	-	727	(194)	533
US Treasury, agency, state, and municipal bonds	71	43	25	-	139
Non-US government bonds	(1)	-	17	-	16
Corporate and other fixed maturities (publicly traded)	(12,255)	(367)	14,971	(435)	1,914
Bank loans	(19,813)	(278)	9,295	-	(10,796)
Private fixed maturity investments	2,888	(5,891)	13,905	(7,456)	3,446
Hedge funds	(8,901)	10,900	-	-	1,999
Private equity investments	44,796	7,556	1,019	(2,543)	50,828
Other assets	-	16,218	-	-	16,218
	<u>\$ 6,785</u>	<u>28,181</u>	<u>39,959</u>	<u>(10,628)</u>	<u>64,297</u>

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

**(f) Net investment income**

**December 31, 2018**

Fixed maturities	\$ 10,937
Private equity and hedge fund investments	52,827
Cash and cash equivalents	533
Gross investment income	<u>64,297</u>
Investment expenses	<u>(18,551)</u>
Net investment income	<u>\$ 45,746</u>

The following tables present the broad classification of the Company's investment securities held at December 31, 2017:

**(g) Investments by asset class**

<b>December 31, 2017</b>	<b>Amortized cost / cost</b>	<b>Gross unrealized gains</b>	<b>Gross unrealized losses</b>	<b>Fair value</b>
Liquid stable income	\$ 157,918	2,800	(540)	160,178
Liquid total return	262,898	23,356	(2,139)	284,115
Private income	476,601	25,186	(24,625)	477,162
Private total return	151,340	11,058	(649)	161,749
	<u>\$ 1,048,757</u>	<u>62,400</u>	<u>(27,953)</u>	<u>1,083,204</u>

**(h) Fixed maturities**

<b>December 31, 2017</b>	<b>Amortized cost / cost</b>	<b>Gross unrealized gains</b>	<b>Gross unrealized losses</b>	<b>Fair value</b>
Non-US government bonds	\$ 742	-	(1)	741
Corporate and other fixed maturities (publicly traded)	245,330	4,598	(1,635)	248,293
Bank loans	99,298	230	(10,288)	89,240
Private fixed maturity investments	230,955	815	(12,010)	219,760
	<u>\$ 576,325</u>	<u>5,643</u>	<u>(23,934)</u>	<u>558,034</u>

**(i) Fixed maturities by contractual maturity**

<b>December 31, 2017</b>	<b>Amortized cost</b>	<b>Fair value</b>
Due in 1 year or less	\$ 51,838	50,613
Due after 1 year through 3 years	94,547	82,432
Due after 3 years through 5 years	56,156	56,278
Due after 5 years through 10 years	135,653	136,808
Due after 10 years	238,131	231,903
	<u>\$ 576,325</u>	<u>558,034</u>



**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

Expected maturities could differ from contractual maturities because borrowers may have the right to call, prepay or extend obligations with or without penalties.

**(j) Private equity and hedge fund investments**

December 31, 2017	Cost	Gross unrealized gains	Gross unrealized losses	Fair value
Hedge funds	\$ 120,278	22,500	(1,419)	141,359
Private equity investments	352,154	34,257	(2,600)	383,811
	<u>\$ 472,432</u>	<u>56,757</u>	<u>(4,019)</u>	<u>525,170</u>

**(k) Investment income by asset type**

December 31, 2017	Net unrealized gains (losses)	Net realized gains (losses)	Net interest, dividend, and amortization income	Foreign exchange gains (losses)	Gross investment income (loss)
Cash and cash equivalents	\$ -	-	66	21	87
US Treasury, agency, state, and municipal bonds	224	(204)	237	-	257
Non-US government bonds	(4)	-	29	-	25
Corporate and other fixed maturities (publicly traded)	2,611	(299)	11,455	1,101	14,868
Bank loans	(6,295)	(211)	10,996	-	4,490
Private fixed maturity investments	(2,322)	1,347	10,298	5,673	14,996
Hedge funds	11,009	4,228	-	-	15,237
Private equity investments	26,394	7,720	1,346	2,444	37,904
Other assets	-	(10,969)	-	-	(10,969)
	<u>\$ 31,617</u>	<u>1,612</u>	<u>34,427</u>	<u>9,239</u>	<u>76,895</u>

**(l) Net investment income**

<b>December 31, 2017</b>	
Fixed maturities	\$ 23,667
Private equity and hedge fund investments	53,141
Cash and cash equivalents	87
Gross investment income	<u>76,895</u>
Investment expenses	(23,596)
Net investment income	<u>\$ 53,299</u>

**4. Fair Value**

GAAP defines fair value as the price the Company would receive to sell an asset or pay to transfer a liability (an exit price) in an orderly transaction between market participants at the measurement date. The Company uses independent pricing services or valuation agents to obtain fair value measurements for the majority of the Company's investment securities. Based on management's understanding of the methodologies used, these pricing services and valuation agents only produce an estimate of fair value if there is observable market information that would allow them to make a fair value estimate. Based on the Company's understanding of the market inputs used by the pricing services and valuation agents, all

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

applicable investments have been valued in accordance with GAAP. For investments that the Company is unable to obtain fair values from a pricing service or valuation agent, fair values are estimated by the Company's Investment Manager. The Company does not adjust prices obtained from pricing services or valuation agents or the Investment Manager.

The Company's Investment Manager has a formal valuation policy that sets forth the pricing methodology for investments to be used in determining the fair value of each security in the Company's portfolio and which uses quoted market prices or, when such prices are not available, using independent broker-dealers, pricing services, valuation agents or selected appraisal firms.

In the event that application of these methods of valuation results in a price for an investment that is deemed not to be representative of the fair value of such investment, or if a price is not available, the investment will be valued by the Investment Manager, in accordance with a policy approved by the Investment Manager as reflecting fair value ("Fair Value Assets"). When determining the price for Fair Value Assets, the Investment Manager seeks to determine the price that the Company might reasonably expect to receive from the current sale of that asset in an arm's length transaction. Based on management's understanding of the methodologies used, fair value determinations by the Investment Manager are based upon all available factors that the Investment Manager deems relevant, consistent with the principles of fair value measurement which include the market approach, income approach and/or in the case of recent investments, the cost approach, as appropriate. The market approach generally consists of using comparable market transactions. The income approach generally is used to discount future cash flows to present value and is adjusted for liquidity as appropriate. These factors include but are not limited to (i) attributes specific to the investment or asset; (ii) the principal market for the investment or asset; (iii) the customary participants in the principal market for the investment or asset; (iv) data assumptions by market participants for the investment or asset, if reasonably available; (v) quoted prices for similar investments or assets in active markets; and (vi) other factors, such as future cash flows, interest rates, yield curves, volatilities, prepayment speeds, loss severities, credit risks, recovery rates, liquidation amounts and/or default rates. Due to the inherent uncertainty of valuations of such investments, the fair values may differ from the values that would have been used had an active market existed. The Investment Manager employs various methods for calibrating valuation approaches for investments where an active market does not exist, including regular due diligence of the Company's pricing vendors, a regular review of key inputs and assumptions, transactional back testing or disposition analysis to compare unrealized gains and losses to realized gains and losses, reviews of missing or stale prices and large movements in market values and reviews of any market related activity. Significant changes in key inputs or assumptions could result in a significantly different fair value measurement for a given investment. For example: with the market approach, changes in the comparable transactions selected could result in a different fair value measurement; with the income approach, increases in discount rate, credit risk, or expected default rate could result in lower fair value measurement, while decreases in those inputs could result in higher fair value measurement; and with the cost approach, changes in the business environment of the issuer, valuations of peers, or changes in issuer credit rating could result in a different fair value measurement. At December 31, 2018 and 2017, there were no Fair Value Assets held by the Company.

The guidance establishes a three-level valuation hierarchy for fair value measurements based upon the transparency of inputs to the valuation of an asset or liability as of the measurement date. The level in the hierarchy within which a given fair value measurement falls is determined based on the lowest level input that is significant to the measurement (Level 1 being the highest priority and Level 3 being the lowest priority). The hierarchy gives the highest priority to quoted prices in active markets and the lowest priority to unobservable data.

The levels in the hierarchy are defined as follows:

Level 1: Unadjusted quoted prices for identical assets or liabilities in active markets;

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

- Level 2: Includes, among other items, inputs other than unadjusted quoted prices for identical assets or liabilities in active markets such as quoted prices for similar assets and liabilities in active markets, prices quoted for identical or similar assets or liabilities in markets that are not considered to be active, and inputs that are observable for the asset or liability (e.g. interest rates, yield curves, volatilities, prepayment speeds, loss severities, credit risks and default rates), either directly or indirectly, or can be corroborated by observable market data; and
- Level 3: Inputs that are unobservable and significant to the fair value measurement, reflecting judgements about assumptions that market participants would use in pricing an asset or liability.

The Company categorizes financial instruments within the valuation hierarchy at the balance sheet date based upon the lowest level of inputs that are significant to the fair value measurement. The categorization of a value determined for investments and derivative financial instruments is based on the pricing transparency of the investment and derivative financial instrument and is not necessarily an indication of liquidity or the risks associated with investing in those securities. Transfers between levels within the valuation hierarchy occur when there are significant changes to the inputs, such as increases or decreases in market activity, changes to the availability of current prices, changes to the transparency of underlying inputs, and whether there are significant variances in quoted prices, among other factors. Transfers into or out of any level are assumed to occur at the beginning of the period.

Although the Company does not have access to the specific unobservable inputs that may have been used by the independent pricing services, valuation agents or the Investment Manager in the fair value measurements of the securities in Level 3 of the valuation hierarchy, we would expect that the significant inputs considered include discount rate, growth rate, risk premium, earnings or revenue multiple, loan acceleration probability, and recovery rate in the event of default. Valuation techniques for Level 3 securities may include, but are not limited to, market pricing models, discounted cash flow methodologies, and other similar techniques where significant assumptions are based on unobservable inputs. Given the security type characteristics, the priority or use of inputs may change or some inputs may not be relevant. Significant increases (decreases) in any of those inputs in isolation could result in a significantly different fair value measurement. For example: increases in discount rate or risk premium could result in a lower fair value measurement, while increases in growth rate, earnings or revenue multiple, or recovery rate in the event of default could result in higher fair value measurement.

The Company has adopted Accounting Standards Update 2015-07 - Fair Value Measurement - Disclosures for Investments in Certain Entities That Calculate Net Asset Value per Share (or Its Equivalent). The amendments in this Update apply to reporting entities that elect to measure the fair value of an investment within the scope of paragraphs 820-10-15-4 through 15-5 using the net asset value practical expedient. The amendments remove the requirement to categorize within the fair value hierarchy all investments for which fair value is measured using the net asset value practical expedient and requires disclosure to permit reconciliation of the fair value of assets categorized within the fair value hierarchy to the amounts presented in the balance sheets.

The Company reviews its securities measured at fair value and discusses the proper classification of such investments with the Investment Manager and others. A discussion of the general classification of the Company's financial instruments follows:

*Fixed maturities.* The Company uses pricing services or valuation agents to estimate fair value measurements for the majority of the Company's fixed maturity investments. The pricing services use market quotations for fixed maturities that have quoted prices in active markets; such securities are classified within Level 1. For fixed maturities in less liquid markets or that generally do not trade on a daily

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

basis, the pricing services or valuation agents prepare estimates of fair value measurements using their pricing applications, which include available relevant market information, benchmark curves, benchmarking of like securities, sector groupings, and matrix pricing. Additional valuation factors can be taken into account, including nominal spreads, liquidity adjustments, and various relationships observed in the market between investment and calculated yield measures. The pricing services and valuation agents evaluate each security type based on relevant market and credit information, perceived market movements, and sector news. The market inputs used in the pricing evaluation include benchmark yields, reported trades, broker/dealer quotes, issuer spreads, two-sided markets, benchmark securities, bids, offers, reference data, and industry and economic events. The extent of the use of each input is dependent on the security type and the market conditions. Given the security type characteristics, the priority or use of inputs may change or some market inputs may not be relevant. Additionally, fixed maturities valuation is more subjective when markets are less liquid due to the lack of market based inputs (i.e. stale pricing), which may increase the potential that an investment's estimated fair value is not reflective of the price at which an actual transaction would occur. The majority of publicly traded fixed maturities are classified within Level 2 because the most significant inputs used in the pricing techniques are observable. For certain fixed maturities, including certain private investments, the company includes these fair value estimates in Level 3.

*Equity securities.* Equity securities with active markets are classified within Level 1 as fair values are based on quoted market prices. For equity securities in markets which are less active, fair values are based on market valuations and are classified within Level 2. Equity securities for which pricing is unobservable are classified within Level 3.

*Investment funds, limited companies, and limited partnerships.* Fair values for investment funds, limited companies, and limited partnerships are based on their respective net asset values or equivalent (NAV). NAV in investment funds is equal to the value of the Company's capital account in such investments as provided by the managers of the investment funds. NAV for limited companies and limited partnerships is based upon the Company's percentage ownership of the net assets of each limited company and limited partnership. In some cases, the Company has both debt and equity investments in a limited company or limited partnership. In determining the fair value of the debt and equity investments, an enterprise value approach is used to determine the fair value of the entire limited company or limited partnership and allocates the fair value between the investments. This value represents the estimated exit price at the measurement date as though both the debt and equity investments were sold to maximize the value of the entire investment position. In allocating the enterprise value between investments, the fair value is allocated first to repay the outstanding principal and accrued interest for the debt investment, with the remainder allocated to the equity investment. Accordingly, the fair value of the debt and equity investments in limited companies and limited partnerships is equal to the outstanding principal amount issued to the Company and the Company's equity ownership percentage of the net assets of the limited company or limited partnership, respectively.

Investment funds for which the Company has used NAV as a practical expedient to measure fair value are not classified within the fair value hierarchy table below. These investment funds employed five strategies, relative value, event driven, fundamental long/short, direct sourcing, and directional trading, and had a carrying value of \$96.6 million at December 31, 2018 and \$141.4 million at December 31, 2017. In general, the investment funds in which the Company is invested require at least 60 days' notice of redemption, and may be redeemed on a monthly, quarterly, semi-annual, or longer basis depending on the fund. Certain investment funds have a lock-up period and/or may also have the ability to impose a redemption gate. A lock-up period refers to the initial amount of time an investor is contractually required to remain invested before having the ability to redeem. Typically, the imposition of a redemption gate delays a portion of the requested redemption and may carry related fees. At December 31, 2018 and 2017 the Company had \$6.6 million and \$4.7 million, respectively, in investment fund holdings where a lock-up was imposed. In general, the lock-up periods to which the Company is exposed expire within one year of the

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

Company's investment. The longest lock-up period to which the Company is exposed expires June 30, 2019. There were no enacted fund level redemption gates at December 31, 2018 or 2017.

Certain funds may be allowed to invest a portion of their assets in illiquid securities such as private equity or private debt. In such cases, a common mechanism used is to segregate the assets, whereby the illiquid security is assigned to a separate capital or designated account. Typically, the investor loses its redemption rights in the designated account. Only when the illiquid securities in the segregated account are sold, or otherwise deemed liquid by the fund, may investors redeem that portion of their interest. At December 31, 2018 and 2017, the fair value of the Company's investment fund holdings in such segregated accounts was \$6.9 million and \$7.3million, respectively. The underlying assets within these positions are generally expected to be liquidated by December 31, 2020 but we cannot be sure that the positions will be liquidated by this date.

*Derivatives.* Actively traded investment derivative instruments, including futures and exchange-traded swap contracts, are classified within Level 1 as fair values are based on quoted market prices. Over-the-counter derivatives, including interest rate swaps and forward foreign currency contracts, where valuations are based on significant observable inputs are classified within Level 2. All other derivatives are classified within Level 3.

The following table presents the Company's financial instruments measured at fair value by level at December 31, 2018:

<b>December 31, 2018</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Total</b>
<b>Assets</b>				
<i>Fixed Maturities</i>				
US Treasury, agency, state and municipal bonds	\$ -	6,047	-	6,047
Non-US government bonds	-	706	-	706
Corporate and other fixed maturities (publicly listed)	-	216,390	3,818	220,208
Bank loans	-	65,531	4,980	70,511
Private fixed maturity investments	-	-	247,667	247,667
Total fixed maturities	-	288,674	256,465	545,139
<i>Equity securities</i>				
Private equity investments	-	-	528,017	528,017
Total equity securities	-	-	528,017	528,017
<i>Derivatives</i>				
Total assets measured at fair value	\$ 231	5,245	499	5,975
<b>Liabilities</b>				
<i>Derivatives</i>				
Total liabilities measured at fair value	\$ (164)	(310)	(222)	(696)
Investments using net asset value as a practical expedient for fair value				\$ 96,634

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

The following table presents the Company's financial instruments measured at fair value by level at December 31, 2017:

<b>December 31, 2017</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Total</b>
<b>Assets</b>				
<i>Fixed Maturities</i>				
Non-US government bonds	\$ -	741	-	741
Corporate and other fixed maturities (publicly listed)	-	248,293	-	248,293
Bank loans	-	85,065	4,175	89,240
Private fixed maturity investments	-	-	219,760	219,760
Total fixed maturities	-	334,099	223,935	558,034
<i>Equity securities</i>				
Private equity investments	-	-	383,811	383,811
Total equity securities	-	-	383,811	383,811
Derivatives	181	487	43	711
Total assets measured at fair value	\$ 181	334,586	607,789	942,556
<b>Liabilities</b>				
Derivatives	(40)	(2,523)	(1,297)	(3,860)
Total liabilities measured at fair value	\$ (40)	(2,523)	(1,297)	(3,860)
Investments using net asset value as a practical expedient for fair value				\$ 141,359

When the fair value of financial assets and financial liabilities cannot be derived from active markets, the fair value is determined using a variety of valuation techniques that include the use of models. The inputs to these models are taken from observable markets where possible, but where this is not feasible, estimation is required to establish fair values. Changes in assumptions about these factors could affect the reported fair value of financial instruments and the level where the instruments are disclosed in the fair value hierarchy. During the years ended December 31, 2018 and 2017, there were no transfers between Level 1 and Level 2. During the years ended December 31, 2018 and 2017, transfers from Level 2 to Level 3 were due to use of a third-party pricing service which used significant unobservable inputs in determining the value of the transferred investments due to lack of current or reliable market-based data vs. the prior use of observable inputs to determine value, and transfers from Level 3 to Level 2 were due to use of observable inputs for those investments as a result of the availability of current and reliable market-based data in determining value of the transferred investments vs. the prior use of a third-party pricing service which utilized significant unobservable inputs in determining value.

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

The following tables present for financial instruments measured at fair value using significant unobservable inputs (Level 3) transfers into and out of Level 3 and purchases for the years ended December 31, 2018 and 2017:

Year ended December 31, 2018	Assets				
	Corporate and other fixed maturities (publicly listed)	Bank loans	Private fixed maturity investments	Private equity investments	Derivatives
Transfers into level 3	-	2,528	-	-	-
Transfers out of level 3	-	(1,062)	-	-	-
Purchases	4,000	2,872	108,978	175,747	-

Year ended December 31, 2017	Assets				
	Corporate and other fixed maturities (publicly listed)	Bank loans	Private fixed maturity investments	Private equity investments	Derivatives
Transfers into level 3	-	211	-	-	-
Transfers out of level 3	(10,680)	(403)	-	-	-
Purchases	-	4,544	85,815	185,138	-

## 5. Derivative Instruments

The Company's investment strategy allows for the use of derivative instruments. The Company uses derivative instruments such as futures, forward, option, and swap contracts for the purpose of managing certain investment portfolio risks and exposures. The Company uses derivatives for economic hedging purposes only. The Company's derivatives do not qualify as hedges for financial reporting purposes. All derivative financial instruments are reported as either assets or liabilities in the balance sheets and are measured at fair value, with changes in fair value recorded as a component of realized gains (losses) on investments in the statements of income. Derivatives are accounted for using the fair value option and the derivative assets and liabilities are included in other assets and other payables in the balance sheets, respectively.

The following table summarizes the realized and unrealized gains and losses on derivative instruments reflected in the statements of income for the years ended December 31, 2018 and 2017:

	Year ended	
	December 31, 2018	December 31, 2017
<b>Net realized gains (losses) from derivatives</b>		
Foreign currency forwards	\$ 16,540	(9,618)
Futures	121	(167)
Options	(874)	(1,176)
Swaps	431	(8)
Total	<u>\$ 16,218</u>	<u>(10,969)</u>

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

The following table summarizes information on the fair values of the Company's derivative instruments at December 31, 2018 and 2017:

	<u>December 31, 2018</u>		<u>December 31, 2017</u>	
	<u>Fair Value</u>	<u>Notional Exposure</u>	<u>Fair Value</u>	<u>Notional Exposure</u>
Foreign currency forwards – assets	\$ 5,245	262,180	487	47,611
Futures – assets	231	33,941	26	5,458
Options – assets	-	-	155	36,900
Swaps – assets	499	5,589	43	25,707
Foreign currency forwards – liabilities	(310)	45,254	(2,523)	172,676
Futures – liabilities	(164)	6,405	(40)	8,880
Options – liabilities	(222)	5,094	(377)	13,044
Swaps – liabilities	-	-	(920)	9,725
Net derivatives	<u>\$ 5,279</u>	<u>358,463</u>	<u>(3,149)</u>	<u>320,001</u>

The Company may enter into master netting agreements with its derivative contract counterparties. A master netting agreement establishes terms that apply to all derivative transactions with a counterparty. Under a master netting agreement, the Company may, under certain circumstances such as bankruptcy or other stipulated event of default, offset with the counterparty certain derivative financial instruments' payables and/or receivables in order to close out and net all individual derivative positions into one single net payment to be made to the party "in-the-money". At December 31, 2018 there were \$5.7 million and \$0.5 million of derivatives assets and derivatives liabilities, respectively, subject to a master netting agreement. At December 31, 2017 there were \$0.5 million and \$3.8 million of derivatives assets and derivatives liabilities, respectively, subject to a master netting agreement. The remaining derivatives included in the table above were not subject to a master netting agreement.

## 6. Unpaid Losses and Loss Adjustment Expenses

The Company establishes reserves for the estimated unpaid ultimate liability for losses and loss adjustment expenses under the terms of its reinsurance policies and contracts. These reserves include estimates for both reported losses and IBNR and include estimates of expenses associated with processing and settling these claims and estimates of reinsurance recoverable. The process of establishing claims reserves can be complex and is subject to considerable variability as it requires use of informed estimates and judgements. The Company regularly evaluates its reserves in light of developing information and in light of discussions with ceding companies. The Company's estimates and judgements may be revised for reasons including additional experience and other data becoming available and being reviewed, new or improved methodologies being developed, or changes in current laws. Any such revisions could result in future changes in claims reserves and would be recorded in the period in which the estimates are changed. While the Company believes that its reserves for unpaid losses and loss adjustment expenses at December 31, 2018 are adequate, ultimate losses and loss adjustment expenses may be significantly greater or less than the reserves established.

The Company's reserves for unpaid loss and loss adjustment expenses represent management's best estimate of the unpaid ultimate liability for losses and loss adjustment expenses under the terms of its reinsurance policies and contracts as of the balance sheet date. This estimate is based on a contract by contract review employing generally accepted actuarial methods, as described below, and other considerations such as claims review, discussions with cedents, and industry information. One or more actuarial methods may be employed depending on factors including the type of reinsurance product or contract and the origin year (i.e. "underwriting year" or "treaty year") of the contract. Exposure-based methods are generally used on relatively recent (i.e. "immature") treaty years, and experience-based



**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

methods are generally used to a greater extent as the treaty matures and the pool of loss experience grows. In evaluating reserves for any given treaty year, judgement is required regarding the credibility, uncertainty, and inherent limitations of applying actuarial techniques to historical data to project future loss experience. Fundamental judgements when applying actuarial techniques include those regarding (i) credibility and reliability of the information used in establishing initial expected ultimate loss ratios during the underwriting process; (ii) expected consistency between future loss development and trends and with historical loss development and trend experience; (iii) potential for loss emergence, in size or type, not represented in the initial loss estimates or historical development patterns.

The standard actuarial methods commonly employed by the Company include:

*Expected Loss Ratio Method.* Ultimate losses for a treaty year are estimated by applying to earned premiums an estimated loss ratio based on factors including historical loss ratios, premium and loss trends, contract level loss modeling, industry data, and other quantitative and subjective considerations. The expected loss ratio is established during the underwriting process and relies entirely on expectation to project ultimate losses. This method is generally used to estimate reserves for immature treaty years and on products where loss experience is not considered sufficiently credible.

*Incurred Loss Development ("Chain Ladder") Method.* Ultimate losses are estimated by calculating historical incurred loss development factors and applying them to future periods where loss development is expected to occur. This method relies entirely on historical loss experience to project ultimate loss experience, under the assumption that future loss experience will be sufficiently similar to historical experience. This method reacts relatively quickly to loss emergence but could produce volatile estimates of ultimate losses, particularly where there is inconsistent or limited historical loss experience.

*Bornhuetter-Ferguson Method.* This method is a combination of the expected loss ratio and loss development methods, where the two methods are incorporated with weightings corresponding to the maturity of the treaty year. The expected loss ratio generally receives a relatively higher weighting in earlier periods and the weighting is increasingly shifted toward the loss development method as the treaty year matures. This method benefits from progressive sensitivity to actual loss experience as the treaty year matures vs. the expected loss ratio method, with the potential to produce more stable estimates of ultimate losses in immature treaty years and where historical loss experience is limited vs. the loss development method. This approach allows a logical transition between the expected loss ratio method and loss development method.

In addition to these standard methods, other recognized actuarial methods and reserving approaches may be used to produce, in our actuaries' judgement, the best estimate of ultimate losses as of the evaluation date. For the year ended December 31, 2018, there were no significant changes in the methodologies used to estimate the unpaid ultimate liability for losses and loss adjustment expenses.

The Company manages its business as a single segment, property and casualty reinsurance, and we have disaggregated it for the purposes of this disclosure into three product line groupings: short-tail, long-tail, and specialty. Short-tail lines are generally those where losses typically become known and paid shortly after the loss occurs: examples include commercial and personal property. Long-tail lines tend to have loss reporting and payment patterns that extend for many years after the losses occur: examples include general liability, directors' and officers' liability, professional liability, and workers' compensation. Specialty lines tend to have relatively more variable loss reporting, development and payment patterns: examples include aviation, surety, personal accident, political risk, and trade credit.

Contracts in each line of business may have significant intricacies in the terms and conditions afforded to cedents, relatively more so with long-tail and specialty lines, so there are inherent limits to the

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

homogeneity of the three lines in which the business is presented. The loss development disclosures below allow readers to understand, at the disaggregation level presented, the change over time in the Company's reported incurred loss estimates and associated cash flows. The Company analyzes and manages its business on a treaty year basis rather than on an accident year basis, and preparation of the accident year loss development tables required conversion of certain treaty year data to an accident year basis for purposes of this disclosure. We analyze and manage the business at a more detailed level (i.e. contract by contract) than is presented in the loss development tables and believe information provided therein is of limited use for independent analysis, including application of standard actuarial methods, and the results of attempts to do so should be interpreted with care.

The following table represents an analysis of losses and loss adjustment expenses and a reconciliation of the beginning and ending reserves for losses and loss adjustment expenses:

	Year ended December 31, 2018	Year ended December 31, 2017
Gross unpaid losses and loss adjustment expenses	\$	
– beginning of period	439,474	160,967
Reinsurance recoverable	-	-
Net unpaid losses and loss adjustment expenses		
– beginning of period	439,474	160,967
Net losses and loss adjustment expenses incurred in respect of losses occurring in:		
Current year	221,464	334,939
Prior years	(5,097)	11,553
Total	216,367	346,492
Net losses and loss adjustment expenses paid in respect of losses occurring in:		
Current year	16,869	20,672
Prior years	129,787	47,614
Total	146,656	68,286
Foreign currency revaluation	(601)	301
Net unpaid losses and loss adjustment expenses		
– end of period	508,584	439,474
Reinsurance recoverable	12,099	-
Gross unpaid losses and loss adjustment expenses	\$	
– end of period	520,683	439,474

Much of the business written by the Company is long-tailed in nature and can exhibit a high degree of variability. The nature of the business written coupled with the relative immaturity of the business can expose the reserves to a high degree of uncertainty and the ultimate losses may be materially different.

In 2018 the company recorded \$5.1 million of net favorable prior period development, attributable to better than expected claims emergence dispersed across the portfolio, partially offset mainly due to deterioration on a single large specialty claim. In 2017, net unfavorable prior period development of \$11.6 million was attributable to unfavorable loss emergence in property and other short-tailed lines of business.

The following tables present, as of December 31, 2018, the Company's incurred and paid loss and loss adjustment expenses net of reinsurance recoverable. The estimated liability for unpaid losses and loss

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

adjustment expenses for claims denominated in foreign currencies are presented in the tables below at the prevailing exchange rate at the balance sheet date. Claim payments denominated in foreign currency are recorded and presented in the tables using transaction-specific exchange rates. The Company has an insignificant amount of claims denominated in currencies other than the U.S. Dollar.

**Total Reinsurance**

<b>Net Incurred Loss and Allocated Loss Adjustment Expenses</b>					<b>December 31, 2018</b>
For the Years Ended December 31					Net IBNR Reserves
Unaudited					
Accident Year	2015	2016	2017	2018	
2015	\$ 33,117	30,287	30,660	28,922	3,421
2016		157,649	168,830	172,379	44,483
2017			335,239	328,330	113,327
2018				220,862	149,754
			Total	\$ 750,493	

**Total Reinsurance**

<b>Net Cumulative Paid Loss and Allocated Loss Adjustment Expenses</b>				
For the Years Ended December 31				
Unaudited				
Accident Year	2015	2016	2017	2018
2015	\$ 4,896	14,190	18,738	20,988
2016		12,779	55,845	89,662
2017			20,672	114,390
2018				16,869
		Total	Total	\$ 241,909
				Net liabilities for losses and loss adjustment expenses \$ 508,584

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

**Short-tail Reinsurance**

<b>Net Incurred Loss and Allocated Loss Adjustment Expenses</b>					<b>December 31, 2018</b>
For the Years Ended December 31					Net IBNR Reserves
Unaudited					
Accident Year	2015	2016	2017	2018	
2015	\$ 23,863	19,676	17,870	17,302	1,000
2016		82,598	95,521	84,450	13,186
2017			214,303	220,375	35,591
2018				86,079	33,970
			Total	\$ 408,206	

**Short-tail Reinsurance**

<b>Net Cumulative Paid Loss and Allocated Loss Adjustment Expenses</b>				
For the Years Ended December 31				
Unaudited				
Accident Year	2015	2016	2017	2018
2015	\$ 4,083	11,928	15,259	15,844
2016		7,599	42,972	54,325
2017			16,410	96,375
2018				12,523
			Total	\$ 179,067
				Net liabilities for losses and loss adjustment expenses \$ 229,139

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

**Long-tail Reinsurance**

<b>Net Incurred Loss and Allocated Loss Adjustment Expenses</b>					<b>December 31, 2018</b>
For the Years Ended December 31					Net IBNR Reserves
Unaudited					
Accident Year	2015	2016	2017	2018	
2015	\$ 7,375	7,968	9,757	9,050	1,926
2016		60,255	57,673	68,584	27,790
2017			99,862	88,724	73,552
2018				113,060	98,269
			Total	\$ 279,418	

**Long-tail Reinsurance**

<b>Net Cumulative Paid Loss and Allocated Loss Adjustment Expenses</b>				
For the Years Ended December 31				
Unaudited				
Accident Year	2015	2016	2017	2018
2015	\$ -	761	1,626	3,346
2016		2,569	6,574	23,227
2017			309	5,833
2018				2,366
			Total	\$ 34,772
				Net liabilities for losses and loss adjustment expenses
				\$ 244,646

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

**Specialty Reinsurance**

<b>Net Incurred Loss and Allocated Loss Adjustment Expenses</b>					<b>December 31, 2018</b>
For the Years Ended December 31					Net IBNR Reserves
Unaudited					
Accident Year	2015	2016	2017	2018	
2015	\$ 1,879	2,643	3,033	2,570	495
2016		14,796	15,636	19,345	3,507
2017			21,074	19,231	4,184
2018				21,723	17,515
			Total	\$ 62,869	

**Specialty Reinsurance**

<b>Net Cumulative Paid Loss and Allocated Loss Adjustment Expenses</b>				
For the Years Ended December 31				
Unaudited				
Accident Year	2015	2016	2017	2018
2015	\$ 813	1,501	1,853	1,798
2016		2,611	6,299	12,110
2017			3,953	12,182
2018				1,980
			Total	\$ 28,070
				Net liabilities for losses and loss adjustment expenses \$ 34,799

**Average Annual Percentage Payout of Incurred Losses by Age, Net of Reinsurance**

Years	1	2	3	4
Total Reinsurance	7.4%	27.6%	19.1%	7.8%
Short-tail Reinsurance	9.9%	38.2%	14.4%	3.4%
Long-tail Reinsurance	1.9%	6.2%	22.6%	19.0%
Specialty Reinsurance	14.9%	30.6%	28.1%	-2.1%

Note: negative duration for Specialty Reinsurance in year 4 reflects a reclassification of claims from a single treaty to 2016 from 2015 due to updated detail provided by the cedent.

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

The following table presents a reconciliation of the loss development tables above to the Company's gross liability for unpaid losses and loss adjustment expenses in the balance sheet:

	<u>December 31, 2018</u>	<u>December 31, 2017</u>
Net liabilities for losses and loss adjustment expenses		
Short-Tail	\$ 229,139	253,053
Long-Tail	244,646	158,783
Specialty	34,799	27,638
Net unpaid losses and loss adjustment expenses	<u>508,584</u>	<u>439,474</u>
Reinsurance recoverable		
Short-Tail	12,099	-
Reinsurance recoverable on unpaid losses and loss adjustment expenses	<u>12,099</u>	<u>-</u>
Losses and loss adjustment expenses on other than short-duration contracts	-	-
Unallocated loss adjustment expenses	-	-
Gross unpaid losses and loss adjustment expenses	<u>\$ 520,683</u>	<u>439,474</u>

The Company underwrites reinsurance on exposures worldwide and does not receive claim count or claim frequency information on a consistent basis. In addition, the terms and conditions of the reinsurance contracts entered into by the Company, including coverages, deductibles, or policy limits, and the Company's participation percentage on the contracts may change year to year, making the potential number of claims and the quantum of loss and loss adjustment expenses associated with a given contract or line of business variable over time. Accordingly, the Company has determined that it is impracticable to provide claim frequency information and any such information provided would not support a meaningful analysis of the Company's loss exposure.

## 7. Reinsurance

The Company purchases reinsurance to reduce net exposure to catastrophe risks. Although the reinsurance agreements purchased contractually obligate the Company's reinsurers to reimburse it for the agreed-upon portion of specified losses and loss adjustment expenses, they do not discharge the Company's primary liability. The following tables present assumed and ceded premiums and reinsurance recoverable on ceded reinsurance for the years ended December 31, 2018 and 2017.

	<u>Year ended</u> <u>December 31, 2018</u>	<u>Year ended</u> <u>December 31, 2017</u>
<b>Premiums written</b>		
Assumed	\$ 305,862	346,708
Ceded	(4,183)	(3,928)
Net	<u>\$ 301,679</u>	<u>342,780</u>
<b>Premiums earned</b>		
Assumed	\$ 317,152	325,621
Ceded	(4,077)	(3,733)
Net	<u>\$ 313,075</u>	<u>321,888</u>

The Company evaluates the financial condition of its reinsurers and monitors concentrations of credit risk on a regular basis. A provision for uncollectable reinsurance is established due to the potential for failure by the Company's reinsurers to fulfill their contractual payment obligations, principally resulting from disputes under the reinsurance agreements and insolvencies. The provision for uncollectable reinsurance is primarily based on the credit quality of the reinsurer and collateral posted for the benefit of the Company.

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

At December 31, 2018, the Company had reinsurance recoverable of \$12.1 million net of the provision for uncollectable reinsurance. All amounts recoverable from reinsurers at December 31, 2018 were fully collateralized or due from large, well established reinsurers, and the provision for uncollectable reinsurance was de minimis. The Company had no reinsurance recoverables at December 31, 2017.

## **8. Share-based Compensation**

Under the ABR Reinsurance Capital Holdings Ltd. 2015 Equity Incentive Plan ("EIP") employees and directors of the Company may be granted restricted shares, restricted share units, and bonus share awards. A total of 800,000 common shares are authorized to be issued pursuant to the EIP. To the extent that shares relating to outstanding awards are not issued or delivered, such shares shall be added back to the EIP. At December 31, 2018 and 2017 301,167 and 156,737 restricted shares were outstanding, respectively. At December 31, 2018 and 2017 207,005 and 505,037 shares, respectively, remained available for issuance under the EIP.

The Company incurred \$1.6 million and \$1.0 million in expenses relating to the EIP during the years ended December 31, 2018 and 2017, respectively. Such expenses are included in general and administrative expenses in the statements of income and represent the proportionate accrual of the value of each grant based on the vesting schedule, as applicable. With the exception of certain discretionary awards, restricted awards vest ratably over 3 years from the grant date, subject to certain conditions, including the recipient's continued service to the Company. At December 31, 2018 and 2017 the Company had \$2.0 million and \$0.9 million, respectively, of unamortized share-based compensation expense, with an expected amortization period of approximately 3.25 years and 2.25 years in 2018 and 2017, respectively.

## **9. Transactions with Related Parties**

Chubb and BlackRock own 11.7% and 10.2% of the common equity of the Parent, respectively. Chubb (re)insurance company subsidiaries are the sole cedents to the Company, and BFM, a subsidiary of BlackRock, manages the Company's investment assets, each under separate long term agreements. Pursuant to a shareholders' agreement among the shareholders of the Parent, one representative of Chubb and one representative of BlackRock were appointed to the Board of Directors of the Company. The Master Agreement with Chubb and the Investment Management Agreement with BFM are for an extended period of time with limited termination rights by the Company. In addition, these agreements allow for both Chubb and BFM to participate in the favorable results of the Company in the form of a master profit commission and performance fees.

Pursuant to the Master Agreement, Chubb offers to the Company the opportunity to participate as a reinsurer with respect to a portfolio of non-life, non-property catastrophe reinsurance contracts and property catastrophe reinsurance contracts written by Chubb's (re)insurance company subsidiaries and offered to other third-party reinsurers. Participation on the reinsurance contracts is offered on the same or substantially similar terms and conditions (other than terms and conditions governed by the Master Agreement or a global trading agreement the Company entered into with Chubb which provides for certain uniform terms and conditions to be incorporated by reference into all reinsurance contracts entered into between the Company and Chubb (re)insurance company subsidiaries), and in the same or substantially similar manner, as such reinsurance contracts are offered to other third-party reinsurers. The term of the Master Agreement is perpetual, subject to each party's right to terminate the Master Agreement as of December 31, 2023 or any subsequent December 31 by delivering written notice of termination at least five years prior to the effective date of such termination. In consideration of this Master Agreement, Chubb is entitled to a ceding commission from the Company on the same terms as third-party reinsurers, a portfolio access fee and a master profit commission.



**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

Pursuant to the Oasis Services Agreement, Oasis provides certain administrative services to the Company for an initial term ended April 1, 2016. The Oasis Services Agreement renews automatically in one year increments unless either party provides written notice of cancellation at least 90 days prior to expiration. As part of the Oasis Services Agreement, Oasis secured office space, along with information technology and telephone services, for the Company. There is a leasehold agreement between the Company and an Oasis affiliate for the provision of office space. It has been agreed that compensation for certain reinsurance services is included in the brokerage fee paid to the Chubb intermediary from the Company. The Company reimburses Oasis for information technology and telephone services on a fixed cost basis for each of the Company's employees. Compensation for additional administrative services is to be agreed as the scope of any such services are agreed.

Pursuant to the Alternative Collateral Facility with AIOIC and CTR, these companies reinsure risks from certain of Chubb's (re)insurance company subsidiaries and then retrocede those same risks to the Company for an initial term ending December 31, 2020 and automatically renewing, subject to each party's right to terminate the facility as of December 31, 2023 or any subsequent December 31 by delivering written notice of termination at least five years prior to the effective date of such termination. The intent is that the Alternative Collateral Facility shall have a term co-existent with the term of the Master Agreement. In return for this service, AIOIC and CTR receive a fee based on the total amount of reserves for unpaid losses and loss adjustment expenses carried by each company at the end of each calendar year on the business retroceded to the Company.

Pursuant to the Investment Management Agreement with BFM, BFM manages the Company's investment assets. The term of the Investment Management Agreement is perpetual, subject to each party's right to terminate the Investment Management Agreement as of December 31, 2023 or any subsequent December 31 by delivering written notice of termination at least five years prior to the effective date of such termination. In return for its investment services, BFM is entitled to an annual management fee of 1.0% of investment assets managed, a performance fee of 15% of investment returns on investment assets managed, subject to certain high watermark provisions, and reimbursement for certain portfolio management and allocated overhead expenses. Subject to the terms of the Investment Management Agreement, 50% of the performance fee is paid in cash when earned by BFM and the remaining 50% is paid by the Company in the form of a promissory note, secured by assets equal to the face amount of the note and any interest thereon, which matures on the third anniversary of the year in which the performance fee was earned. If the portfolio performance fee basis at maturity of the promissory note is less than the portfolio performance fee basis on which the performance fee was calculated, the promissory note shall be reduced by an amount equal to the difference between the originally calculated performance fee and the performance fee calculated on the portfolio performance fee basis at maturity. The Company's obligation under the promissory note is re-estimated at each balance sheet date and any adjustments are recorded in the period in which the estimates are changed. At December 31, 2018 and 2017, the amount of such promissory note obligations outstanding was \$6.9 million and \$1.9 million, respectively

Pursuant to the BlackRock Services Agreement, BFM provides the Company certain investment administration, accounting, and reporting support services. The BlackRock Services Agreement remains in effect perpetually until, and unless, the Investment Management Agreement is terminated, upon which the BlackRock Services Agreement terminates automatically.

The related statements of income and balance sheets account balances for the transactions and services agreements with Chubb and BlackRock for the years ended December 31, 2018 and 2017 were as follows:

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

	<u>December 31, 2018</u>	<u>December 31, 2017</u>
<b>Statement of income (loss) items</b>		
Gross written premiums	\$ 305,862	346,708
Net premiums earned	317,152	325,621
Loss and loss adjustment expenses	216,367	346,492
Policy acquisition costs	104,805	103,508
General and administrative expenses	278	225
Investment expenses	17,874	23,177
<b>Balance sheet items</b>		
Premiums receivable	87,326	99,175
Deferred acquisition costs	65,729	68,448
Prepaid expenses	168	228
Intercompany receivable	59	1,311
Unpaid losses and loss adjustment expenses	520,683	439,474
Unearned premiums	185,715	197,005
Reinsurance balances payable	10,784	8,542
Accounts payable and accrued expenses	12,861	14,471
Notes payable and interest payable	6,927	1,946
Return of capital and dividends declared	32,000	-

## 10. Commitments and Contingencies

### **(a) Concentration of business**

The Company currently depends entirely on Chubb for its (re)insurance business.

In reinsuring a consistent portfolio of business from Chubb's (re)insurance company subsidiaries at pricing and terms substantially similar to that achieved by Chubb's other third-party reinsurers, the Company expects to benefit from Chubb's sophisticated direct underwriting expertise, specialized knowledge, risk selection capabilities and breadth of distribution channels across a wide spectrum of insurance lines and territories. However, the Company may be materially adversely affected due to circumstances arising from Chubb, including, but not limited to, if Chubb's (re)insurance company subsidiaries perform inadequately, cease to purchase reinsurance, materially decrease the amount of reinsurance purchased, or materially change the types of risk they (re)insure.

Although the term of the Master Agreement is perpetual, subject to each party's right to terminate the agreement as of December 31, 2023 or any subsequent December 31 by delivering written notice of termination at least five years prior to the effective date of such termination, there is no assurance that in the event of such termination, or termination arising from certain early termination provisions, the Company would obtain permission from the BMA to sell (re)insurance to third-party cedents or that the Company would find suitable replacement (re)insurance business. The failure to find replacement (re)insurance business in the event of a termination of the Master Agreement could materially adversely affect the Company's business, financial condition and results of operations.

### **(b) Collateralization**

The Company is licensed and admitted as an insurer only in Bermuda. Many jurisdictions do not permit insurance companies to take credit for reinsurance obtained from reinsurers that are not licensed or admitted in that jurisdiction on that company's statutory financial statements unless appropriate security measures are in place. In part to address such credit for reinsurance issues, the terms of the Master Agreement and global trading agreement the Company entered into with Chubb requires that the Company collateralize its obligations with respect to each reinsurance contract it enters into with Chubb's

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

(re)insurance company subsidiaries. As of December 31, 2018 and 2017, the Company had placed \$537.5 million and \$403.0 million, respectively, of assets in trust for the benefit of the Chubb cedents.

In cases where the Company enters into certain derivative financial instruments, the Company may segregate or designate on its books and records cash or liquid securities having a market value at least equal to the amount of the Company's future obligations under such investments. Furthermore, if required by an exchange or counterparty agreement, the Company may be required to deliver/deposit cash and/or securities to/with an exchange, or broker-dealer or custodian as collateral for certain investments. As of December 31, 2018 and 2017, the Company had \$0.2 million and \$0.7 million, respectively, posted as collateral in connection with its derivatives positions.

***(c) Concentrations of credit risk***

The areas where significant concentrations of credit risk may exist include, but are not limited to, reinsurance premiums receivable, reinsurance claims payable, investments and cash and cash equivalents balances.

Should the Company's cedents fail to remit reinsurance contract premiums the Company may terminate the reinsurance contracts. However, the Company underwrites all of its business through an intermediary wholly owned by Chubb, so a credit risk exists should this broker be unable to fulfill its contractual obligations with respect to the payments of reinsurance balances owed to the Company or the remittance of claims payments to the cedents that the Company has delivered to the broker.

Although the Company's investment portfolio is managed following prudent standards that stress diversification of risks and preservation of capital, including specific provisions limiting the allowable holdings of a single issue and issuer, the Company's investments are subject to market risks and risks inherent in individual securities. At December 31, 2018 and 2017 the Company did not have an aggregate exposure to any single issuer of more than 2.8% and 3.6%, respectively, of its investment portfolio, other than with respect to government and agency securities and cash held at its custodian bank. A substantial portion of the investment portfolio is held in non-investment grade and unrated securities, which are expected to generate higher returns than investment-grade securities but also carry potentially higher degrees of credit or default risk and are generally less liquid. While the Company has procedures to monitor credit risk of invested assets, it is possible that the Company may experience credit or default losses in the investment portfolio which could adversely affect results of operations and financial condition. The Company believes there are no significant concentrations of credit risk associated with the investment portfolio.

The Company maintains significant cash and cash equivalent balances with its investment portfolio custodian, The Bank of New York Mellon, and in its operating accounts held at HSBC Bank Bermuda Limited. There is credit risk associated with recovery of such balances if these banks become impaired or insolvent. These banks are large and well established, and the Company has no indication that they are financially distressed.

***(d) Investment commitments***

The Company may enter into commitments or agreements to acquire or fund certain investments at a future date (subject to conditionality), generally in connection with private fixed maturity and private equity investments. Such agreements may obligate the Company to make future cash payments. As of December 31, 2018 and 2017, the Company had outstanding investment commitments of \$97.0 million and \$93.8 million, respectively.

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

***(e) Leases and purchase obligations***

At December 31, 2018 and 2017, the future minimum rental commitment for the Company's operating lease was \$47 thousand in each case. The lease is for the rental of office space, with an expiration date of March 31, 2019 and with an option to renew. Rental expense was \$186 thousand for the years ended December 31, 2018 and 2017, respectively, and is included in general and administrative expenses in the statements of income.

**11. Income Taxes**

The Company is incorporated under the laws of Bermuda and, under current Bermuda law, is not required to pay any taxes in Bermuda based upon income or capital gains. The Company has received a written undertaking from the Minister of Finance in Bermuda under the Exempted Undertakings Tax Protection Act 1966 that, in the event that any legislation is enacted in Bermuda imposing any tax computed on profits, income, gain or appreciation on any capital asset, or any tax in the nature of estate duty or inheritance tax, such tax will not be applicable to the Company until March 31, 2035.

The Company does not consider itself to be engaged in trade or business in the United States and intends to conduct its operations in a manner that will not cause it to be treated as engaged in a trade or business in the United States and, therefore, does not expect to be required to pay U.S. federal income taxes (other than U.S. excise taxes on insurance and reinsurance premiums and withholding taxes on dividends and certain other U.S. source investment income).

FASB guidance regarding the accounting for uncertainty in income taxes prescribes a "more likely than not" threshold for the financial statement recognition of a tax position taken or expected to be taken in a tax return, assuming the relevant tax authority has full knowledge of all relevant information. The amount recognized represents the largest amount of tax benefit that is greater than 50% likely of being ultimately realized. A liability is recognized for any benefit claimed, or expected to be claimed, in a tax return in excess of the benefit recorded in the financial statements, along with any interest and penalty (if applicable) on the excess. The Company recognizes interest and penalties relating to unrecognized tax benefits in the provision for income taxes. Changes in recognition or measurement are reflected in the period in which the change in judgement occurs.

At December 31, 2018 and 2017, the Company's total unrecognized tax benefits, including interest and penalties, were nil.

**12. Shareholder's Equity**

***Common shares***

The Company's authorized, issued and outstanding share capital consists of 1,000,000 common shares, par value \$1.00 per share.

**13. Legal Proceedings**

The Company, in common with the insurance industry in general, is subject to litigation and arbitration in the normal course of its business. At December 31, 2018 and 2017, the Company was not a party to any litigation or arbitration which is expected by management to have a material adverse effect on the Company's results of operations and financial condition and liquidity.

**ABR REINSURANCE LTD.**  
**NOTES TO FINANCIAL STATEMENTS**  
**For the years ended December 31, 2018 and 2017**  
(Tables expressed in '000 U.S. dollars)

#### **14. Statutory Requirements**

Under the Insurance Act, ABR Reinsurance Ltd. is registered as a Class 4 insurer and is required to annually prepare and file statutory financial statements with the BMA. The Insurance Act also requires the Company to maintain minimum share capital and must ensure that the value of its general business assets exceeds the amount of its general business liabilities by an amount greater than the prescribed minimum solvency margins and enhanced capital requirement pertaining to its general business. At December 31, 2018 and 2017, all such requirements were met.

The Company is also required under its Class 4 license to maintain a minimum liquidity ratio whereby the value of its relevant assets is not less than 75% of the amount of its relevant liabilities for general business. At December 31, 2018 and 2017, the Company met the minimum liquidity ratio requirement.

Under the Insurance Act, the Company is subject to capital requirements calculated using the Bermuda Solvency and Capital Requirement model ("BSCR model"), which is a standardized statutory risk-based capital model used to measure the risk associated with the Company's assets, liabilities and premiums. Under the BSCR model, the Company's required statutory capital and surplus is referred to as the enhanced capital requirement ("ECR"). The Company is required to calculate and submit the ECR to the BMA annually. Following receipt of the submission of the Company's ECR, the BMA has the authority to impose additional capital requirements or capital add-ons, if it deems necessary. If an insurer fails to maintain or meet its ECR, the BMA may take various degrees of regulatory action. As of December 31, 2018 and 2017, the Company met its ECR of \$359.4 million and \$348.1 million, respectively.

Statutory accounting differs from U.S. GAAP in the reporting of certain items such as prepaid expenses. The statutory capital and surplus for the Company at December 31, 2018 and 2017 was \$728.5 million and \$729.7 million, respectively.

The Bermuda Companies Act 1981 limits the Company's ability to pay dividends and distributions to its Parent if there are reasonable grounds for believing that: (a) the Company is, or would after the payment be, unable to pay its liabilities as they become due; or (b) the realizable value of the Company's assets would thereby be less than the aggregate of its liabilities and its issued share capital and share premium accounts.

The Company may declare dividends subject to it continuing to meet its solvency and capital requirements, which includes continuing to hold statutory capital and surplus equal to or exceeding its ECR. The Company is prohibited from declaring or paying in any fiscal period dividends of more than 25% of its prior period's statutory capital and surplus unless the Company files with the BMA a signed affidavit by at least two members of its Board of Directors attesting that a dividend would not cause the company to fail to meet its relevant requirements. As of December 31, 2018 and 2017, the Company could pay dividends of approximately \$182.1 million and \$202.5 million, respectively, without providing an affidavit to the BMA.

The Insurance Act further prohibits the Company from reducing its prior period statutory capital by 15% or more without prior approval of the BMA. During 2018, the Company distributed \$32 million to the Parent. No distributions or dividends were paid to the Parent during 2017.

#### **15. Subsequent Events**

The Company has completed its subsequent events evaluation for the period subsequent to the balance sheet date of December 31, 2018 through March 25, 2019, the date the financial statements were available to be issued, and concluded that there are no subsequent events requiring recognition or disclosure.