

**Financial Report for the Six Months Ended June 30, 2018**  
The Bank of N.T. Butterfield & Son Limited



Butterfield

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**The Bank of N.T. Butterfield & Son Limited**  
**Consolidated Balance Sheets (unaudited)**  
(In thousands of US dollars, except share and per share data)

	As at	
	June 30, 2018	December 31, 2017
<b>Assets</b>		
Cash and demand deposits with banks - Non-interest bearing	86,107	89,381
Demand deposits with banks - Interest bearing	344,486	340,256
Cash equivalents - Interest bearing	1,325,312	1,105,501
Cash due from banks	1,755,905	1,535,138
Securities purchased under agreement to resell	88,790	178,769
Short-term investments	78,580	249,984
Investment in securities		
Trading	6,786	6,824
Available-for-sale	2,861,879	3,317,440
Held-to-maturity (fair value: \$1,815,242 (2017: \$1,377,354))	1,858,058	1,381,955
<b>Total investment in securities</b>	<b>4,726,723</b>	<b>4,706,219</b>
Loans		
Loans	4,017,196	3,812,329
Allowance for credit losses	(31,478)	(35,467)
Loans, net of allowance for credit losses	3,985,718	3,776,862
Premises, equipment and computer software	159,491	164,790
Accrued interest	27,802	24,915
Goodwill	25,204	21,529
Intangible assets	52,118	39,066
Equity method investments	14,100	14,099
Other real estate owned	4,962	9,127
Other assets	82,982	58,739
<b>Total assets</b>	<b>11,002,375</b>	<b>10,779,237</b>
<b>Liabilities</b>		
Customer deposits		
Bermuda		
Non-interest bearing	1,558,481	1,840,201
Interest bearing	4,007,931	3,412,623
Non-Bermuda		
Non-interest bearing	587,288	639,525
Interest bearing	3,539,792	3,631,643
<b>Total customer deposits</b>	<b>9,693,492</b>	<b>9,523,992</b>
Bank deposits		
Bermuda	9,947	442
Non-Bermuda	14,438	12,024
<b>Total deposits</b>	<b>9,717,877</b>	<b>9,536,458</b>
Employee benefit plans	128,561	128,798
Accrued interest	2,419	2,376
Pending payable for investments purchased	—	51,913
Other liabilities	161,647	119,811
<b>Total other liabilities</b>	<b>292,627</b>	<b>302,898</b>
Long-term debt	143,233	117,000
<b>Total liabilities</b>	<b>10,153,737</b>	<b>9,956,356</b>
<b>Commitments, contingencies and guarantees (Note 10)</b>		
<b>Shareholders' equity</b>		
Common share capital (BMD 0.01 par; authorized voting ordinary shares 2,000,000,000 and non-voting ordinary shares 6,000,000,000) issued and outstanding: 55,172,295 (2017: 54,692,630)	552	547
Additional paid-in capital	1,163,673	1,155,542
Accumulated deficit	(152,148)	(204,156)
Accumulated other comprehensive loss	(163,439)	(129,052)
<b>Total shareholders' equity</b>	<b>848,638</b>	<b>822,881</b>
<b>Total liabilities and shareholders' equity</b>	<b>11,002,375</b>	<b>10,779,237</b>

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

**The Bank of N.T. Butterfield & Son Limited**  
**Consolidated Statements of Operations (unaudited)**  
(In thousands of US dollars, except per share data)

	Three months ended		Six months ended	
	June 30, 2018	June 30, 2017	June 30, 2018	June 30, 2017
<b>Non-interest income</b>				
Asset management	6,188	5,949	12,567	11,789
Banking	10,769	10,941	21,629	20,984
Foreign exchange revenue	8,265	7,537	16,459	15,843
Trust	13,248	11,253	24,102	22,643
Custody and other administration services	2,412	1,922	4,637	3,934
Other non-interest income	1,057	1,101	2,306	2,048
<b>Total non-interest income</b>	<b>41,939</b>	<b>38,703</b>	<b>81,700</b>	<b>77,241</b>
<b>Interest income</b>				
Interest and fees on loans	53,722	45,950	104,272	89,957
<i>Investments (none of the investment securities are intrinsically tax-exempt)</i>				
Available-for-sale	18,077	16,062	35,395	31,936
Held-to-maturity	12,947	8,876	24,257	17,435
Deposits with banks	7,947	4,461	12,960	7,940
<b>Total interest income</b>	<b>92,693</b>	<b>75,349</b>	<b>176,884</b>	<b>147,268</b>
<b>Interest expense</b>				
Deposits	3,583	2,669	6,525	5,462
Long-term debt	1,705	1,224	3,050	2,417
Securities sold under repurchase agreements	9	—	18	—
<b>Total interest expense</b>	<b>5,297</b>	<b>3,893</b>	<b>9,593</b>	<b>7,879</b>
<b>Net interest income before provision for credit losses</b>	<b>87,396</b>	<b>71,456</b>	<b>167,291</b>	<b>139,389</b>
Provision for credit losses	524	(513)	2,466	(174)
<b>Net interest income after provision for credit losses</b>	<b>87,920</b>	<b>70,943</b>	<b>169,757</b>	<b>139,215</b>
Net trading gains (losses)	34	128	(37)	285
Net realized gains (losses) on available-for-sale investments	44	1,709	894	1,778
Net gains (losses) on other real estate owned	79	138	(260)	206
Net other gains (losses)	(1,734)	11	(1,821)	(60)
<b>Total other gains (losses)</b>	<b>(1,577)</b>	<b>1,986</b>	<b>(1,224)</b>	<b>2,209</b>
<b>Total net revenue</b>	<b>128,282</b>	<b>111,632</b>	<b>250,233</b>	<b>218,665</b>
<b>Non-interest expense</b>				
Salaries and other employee benefits	39,560	35,679	75,210	69,938
Technology and communications	15,054	13,389	29,799	26,338
Professional and outside services	5,133	6,087	14,817	12,331
Property	5,303	5,351	10,428	10,273
Indirect taxes	4,964	4,505	9,912	8,701
Non-service employee benefits expense	1,325	1,705	2,638	3,441
Marketing	1,436	2,369	2,378	3,332
Amortization of intangible assets	1,322	1,076	2,393	2,106
Restructuring costs	—	633	—	1,074
Other expenses	4,134	4,525	8,058	8,786
<b>Total non-interest expense</b>	<b>78,231</b>	<b>75,319</b>	<b>155,633</b>	<b>146,320</b>
<b>Net income before income taxes</b>	<b>50,051</b>	<b>36,313</b>	<b>94,600</b>	<b>72,345</b>
Income tax expense	(339)	(263)	(691)	(438)
<b>Net income</b>	<b>49,712</b>	<b>36,050</b>	<b>93,909</b>	<b>71,907</b>
<b>Earnings per common share</b>				
Basic earnings per share	0.90	0.66	1.71	1.33
Diluted earnings per share	0.89	0.65	1.68	1.30
<b>Dividend per share</b>	<b>0.38</b>	<b>0.32</b>	<b>0.76</b>	<b>0.64</b>

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

**The Bank of N.T. Butterfield & Son Limited**  
**Consolidated Statements of Comprehensive Income (unaudited)**  
*(In thousands of US dollars)*

	Three months ended		Six months ended	
	<b>June 30, 2018</b>	June 30, 2017	<b>June 30, 2018</b>	June 30, 2017
<b>Net income</b>	<b>49,712</b>	36,050	<b>93,909</b>	71,907
<b>Other comprehensive income (loss), net of taxes</b>				
Net change in unrealized gains and losses on translation of net investment in foreign operations	<b>(2,206)</b>	787	<b>(1,022)</b>	1,145
Accretion of net unrealized (gains) losses on held-to-maturity investments transferred from available-for-sale investments	<b>2</b>	40	<b>24</b>	88
Net change in unrealized gains and losses on available-for-sale investments	<b>(5,740)</b>	6,498	<b>(34,461)</b>	11,349
Employee benefit plans adjustments	<b>370</b>	743	<b>1,072</b>	1,761
Other comprehensive income (loss), net of taxes	<b>(7,574)</b>	8,068	<b>(34,387)</b>	14,343
<b>Total comprehensive income</b>	<b>42,138</b>	44,118	<b>59,522</b>	86,250

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

**The Bank of N.T. Butterfield & Son Limited**  
**Consolidated Statements of Changes in Shareholders' Equity (unaudited)**

	Six months ended			
	June 30, 2018		June 30, 2017	
	Number of shares	In thousands of US dollars	Number of shares	In thousands of US dollars
<b>Common share capital issued and outstanding</b>				
Balance at beginning of period	54,692,630	547	53,284,872	533
Issuance of common shares	479,665	5	1,296,852	13
<b>Balance at end of period</b>	<b>55,172,295</b>	<b>552</b>	<b>54,581,724</b>	<b>546</b>
<b>Additional paid-in capital</b>				
Balance at beginning of period		1,155,542		1,142,608
Share-based compensation		5,276		3,483
Share-based settlements		918		289
Cost of issuance of common shares		—		22
Issuance of common shares, net of underwriting discounts and commissions		1,937		3,796
Sale of treasury common shares		—		(1)
<b>Balance at end of period</b>		<b>1,163,673</b>		<b>1,150,197</b>
<b>Accumulated deficit</b>				
Balance at beginning of period		(204,156)		(287,677)
Net income for period		93,909		71,907
Common share cash dividends declared and paid, \$0.76 per share (2017: \$0.64 per share)		(41,901)		(34,759)
<b>Balance at end of period</b>		<b>(152,148)</b>		<b>(250,529)</b>
<b>Treasury common shares</b>				
Balance at beginning of period	—	—	2,066	(42)
Sale of treasury common shares	—	—	(380)	13
Share-based settlements	—	—	(1,686)	29
<b>Balance at end of period</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Accumulated other comprehensive income (loss)</b>				
Balance at beginning of period		(129,052)		(144,680)
Other comprehensive income (loss), net of taxes		(34,387)		14,343
<b>Balance at end of period</b>		<b>(163,439)</b>		<b>(130,337)</b>
<b>Total shareholders' equity</b>		<b>848,638</b>		<b>769,877</b>

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

**The Bank of N.T. Butterfield & Son Limited**  
**Consolidated Statements of Cash Flows (unaudited)**  
(In thousands of US dollars)

	Six months ended	
	June 30, 2018	June 30, 2017
<b>Cash flows from operating activities</b>		
Net income	93,909	71,907
<b>Adjustments to reconcile net income to operating cash flows</b>		
Depreciation and amortization	24,769	25,435
Provision for credit (recovery) losses	(2,466)	174
Share-based payments and settlements	6,194	3,783
Net realized (gains) losses on available-for-sale investments	(894)	(1,778)
Net (gains) losses on other real estate owned	260	(206)
(Increase) in carrying value of equity method investments	(49)	(753)
Dividends received from equity method investments	48	372
<b>Changes in operating assets and liabilities</b>		
(Increase) decrease in accrued interest receivable	(3,066)	5,171
(Increase) decrease in other assets	(23,907)	19,542
Increase (decrease) in accrued interest payable	97	(399)
Increase (decrease) in employee benefit plans and other liabilities	49,517	14,677
<b>Cash provided by operating activities</b>	<b>144,412</b>	<b>137,925</b>
<b>Cash flows from investing activities</b>		
(Increase) decrease in securities purchased under agreement to resell	89,979	(35,121)
Net (increase) decrease in short-term investments other than restricted cash	164,365	226,950
Net change in trading investments	37	(285)
Available-for-sale investments: proceeds from sale	345,400	202,795
Available-for-sale investments: proceeds from maturities and pay downs	310,103	245,364
Available-for-sale investments: purchases	(242,087)	(366,905)
Held-to-maturity investments: proceeds from maturities and pay downs	69,863	50,759
Held-to-maturity investments: purchases	(600,295)	(235,820)
Net (increase) decrease in loans	(228,118)	21,855
Additions to premises, equipment and computer software	(7,662)	(7,837)
Proceeds from sale of other real estate owned	266	1,067
Cash disbursed for business acquisitions	(20,800)	—
<b>Cash provided by (used in) investing activities</b>	<b>(118,949)</b>	<b>102,822</b>
<b>Cash flows from financing activities</b>		
Net increase (decrease) in demand and term deposit liabilities	203,656	(624,368)
Proceeds from issuance of common shares, net of underwriting discounts and commissions	—	13
Issuance of long-term debt	73,233	—
Repayment of long-term debt	(47,000)	—
Proceeds from stock option exercises	1,941	3,827
Cash dividends paid on common shares	(41,901)	(34,759)
<b>Cash provided by (used in) financing activities</b>	<b>189,929</b>	<b>(655,287)</b>
Net effect of exchange rates on cash, cash equivalent and restricted cash	(447)	31,601
<b>Net (decrease) increase in cash, cash equivalent and restricted cash</b>	<b>214,945</b>	<b>(382,939)</b>
<b>Cash, cash equivalent and restricted cash: beginning of period</b>	<b>1,557,733</b>	<b>2,119,545</b>
<b>Cash, cash equivalent and restricted cash: end of period</b>	<b>1,772,678</b>	<b>1,736,606</b>
<b>Components of cash, cash equivalent and restricted cash at end of period</b>		
Cash due from banks	1,755,905	1,719,833
Restricted cash included in short-term investments on the consolidated balance sheets	16,773	16,773
<b>Total cash, cash equivalent and restricted cash at end of period</b>	<b>1,772,678</b>	<b>1,736,606</b>

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

**Note 1: Nature of business**

The Bank of N.T. Butterfield & Son Limited ("Butterfield", the "Bank" or the "Company") is incorporated under the laws of Bermuda and has a banking license under the Banks and Deposit Companies Act, 1999 ("the Act"). Butterfield is regulated by the Bermuda Monetary Authority ("BMA"), which operates in accordance with Basel principles.

Butterfield is a full service bank and wealth manager headquartered in Hamilton, Bermuda. The Bank operates its business through three geographic segments: Bermuda, the Cayman Islands, and the Channel Islands and the United Kingdom (UK), where its principal banking operations are located and where it offers specialized financial services. Butterfield offers banking services, comprised of retail and corporate banking, and wealth management, which consists of trust, private banking, and asset management. In the Bermuda and Cayman Islands segments, Butterfield offers both banking and wealth management. In the Channel Islands and the UK segment, the Bank offers wealth management and residential property lending.

On September 16, 2016, the Bank's common shares began to trade on the New York Stock Exchange under the symbol "NTB". On September 21, 2016, the Bank completed its offering of 5,957,447 common shares, at \$23.50 per share. The proceeds, net of the underwriting discounts and commissions, were \$131.6 million.

**Note 2: Significant accounting policies**

The accompanying unaudited interim consolidated financial statements of the Bank have been prepared in accordance with accounting principles generally accepted in the United States of America ("US GAAP") for interim financial information and should be read in conjunction with the Bank's audited financial statements for the year ended December 31, 2017.

In the opinion of Management, these unaudited interim consolidated financial statements reflect all adjustments (consisting principally of normal recurring accruals) considered necessary for a fair statement of the Bank's financial position and results of operations as at the end of and for the periods presented. The Bank's results for interim periods are not necessarily indicative of results for the full year.

The preparation of financial statements in conformity with US GAAP requires Management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. While Management believes that the amounts included in the unaudited interim consolidated financial statements reflect its best estimates and assumptions, actual results could differ from those estimates. The Bank's principal estimates include:

- Allowance for credit losses
- Fair value and impairment of financial instruments
- Impairment of long-lived assets
- Impairment of goodwill
- Employee benefit plans
- Share-based payments

On January 1, 2016, the Bank changed its financial statements' reporting currency from Bermuda dollars to United States ("US") dollars for all periods presented. Assets, liabilities, revenues and expenses denominated in Bermuda dollars are translated to US dollars at par.

The following accounting developments were issued during the six months ended June 30, 2018 or are accounting standards pending adoption:

In February 2016, the FASB published Accounting Standards Update No. 2016-02 Leases (Topic 842) which requires the recognition of lease assets and lease liabilities by lessees for those leases classified as operating leases under previous GAAP. This update is effective for public business entities for fiscal years, and interim periods with in those fiscal years, beginning after December 15, 2018. Early application is permitted. The Bank has determined that this standard will have an effect due to the recognition of lease assets and lease liabilities currently classified as operating leases, which will result in the recognition of assets and corresponding lease liabilities.

In June 2016, the FASB published Accounting Standards Update No. 2016-13 Financial Instruments – Credit Losses. The amendments in this update provide a new impairment model, known as the current expected credit loss model that is based on expected losses rather than incurred losses. The amendments in this update are also intended to reduce the complexity and reduce the number of impairment models entities use to account for debt instruments. For public business entities that meet the GAAP definition of an SEC filer, the effective date for this update for fiscal years beginning after December 15, 2019, including interim periods within those fiscal years. The Bank is assessing the impact of the adoption of this guidance.



**The Bank of N.T. Butterfield & Son Limited**  
**Notes to the Consolidated Financial Statements (unaudited) (continued)**  
*(In thousands of US dollars, unless otherwise stated)*

**Note 3: Cash due from banks**

	June 30, 2018			December 31, 2017		
	Bermuda	Non-Bermuda	Total	Bermuda	Non-Bermuda	Total
<b>Non-interest bearing</b>						
Cash and demand deposits with banks	25,665	60,442	86,107	24,189	65,192	89,381
<b>Interest bearing<sup>1</sup></b>						
Demand deposits with banks	208,986	135,500	344,486	215,363	124,893	340,256
Cash equivalents	614,070	711,242	1,325,312	330,247	775,254	1,105,501
<b>Sub-total - Interest bearing</b>	<b>823,056</b>	<b>846,742</b>	<b>1,669,798</b>	545,610	900,147	1,445,757
<b>Total cash due from banks</b>	<b>848,721</b>	<b>907,184</b>	<b>1,755,905</b>	569,799	965,339	1,535,138

<sup>1</sup> Interest bearing cash due from banks includes certain demand deposits with banks as at June 30, 2018 in the amount of \$238.2 million (December 31, 2017: \$203.3 million) that are earning interest at a negligible rate.

**Note 4: Short-term investments**

	June 30, 2018			December 31, 2017		
	Bermuda	Non-Bermuda	Total	Bermuda	Non-Bermuda	Total
<b>Unrestricted</b>						
Maturing within three months	—	215	215	67,528	71,986	139,514
Maturing between three to six months	18,907	13,369	32,276	19,841	67,035	86,876
Maturing between six to twelve months	—	28,317	28,317	—	—	—
<b>Total unrestricted short-term investments</b>	<b>18,907</b>	<b>41,901</b>	<b>60,808</b>	87,369	139,021	226,390
<b>Affected by drawing restrictions related to minimum reserve and derivative margin requirements</b>						
Non-interest earning demand deposits	—	6,241	6,241	—	—	—
Interest earning demand and term deposits	10,532	999	11,531	22,053	1,541	23,594
<b>Total restricted short-term investments</b>	<b>10,532</b>	<b>7,240</b>	<b>17,772</b>	22,053	1,541	23,594
<b>Total short-term investments</b>	<b>29,439</b>	<b>49,141</b>	<b>78,580</b>	109,422	140,562	249,984

**The Bank of N.T. Butterfield & Son Limited**  
**Notes to the Consolidated Financial Statements (unaudited) (continued)**  
(In thousands of US dollars, unless otherwise stated)

**Note 5: Investment in securities**

**Amortized Cost, Carrying Amount and Fair Value**

On the consolidated balance sheets, trading and available-for-sale ("AFS") investments are carried at fair value and held-to-maturity ("HTM") investments are carried at amortized cost.

	June 30, 2018				December 31, 2017			
	Amortized cost	Gross unrealized gains	Gross unrealized losses	Fair value	Amortized cost	Gross unrealized gains	Gross unrealized losses	Fair value
<b>Trading</b>								
Mutual funds	5,724	1,564	(502)	6,786	5,724	1,616	(516)	6,824
<b>Total trading</b>	<b>5,724</b>	<b>1,564</b>	<b>(502)</b>	<b>6,786</b>	<b>5,724</b>	<b>1,616</b>	<b>(516)</b>	<b>6,824</b>
<b>Available-for-sale</b>								
US government and federal agencies	2,463,552	6,124	(45,142)	2,424,534	2,720,581	8,924	(20,401)	2,709,104
Non-US governments debt securities	25,826	41	(392)	25,475	26,516	118	(386)	26,248
Corporate debt securities	95,429	—	(1,958)	93,471	243,999	153	(780)	243,372
Asset-backed securities - Student loans	13,290	—	(664)	12,626	13,290	—	(797)	12,493
Commercial mortgage-backed securities	141,960	4	(3,949)	138,015	142,740	56	(1,296)	141,500
Residential mortgage-backed securities	172,018	—	(4,260)	167,758	186,049	309	(1,635)	184,723
<b>Total available-for-sale</b>	<b>2,912,075</b>	<b>6,169</b>	<b>(56,365)</b>	<b>2,861,879</b>	<b>3,333,175</b>	<b>9,560</b>	<b>(25,295)</b>	<b>3,317,440</b>
<b>Held-to-maturity<sup>1</sup></b>								
US government and federal agencies	1,858,058	2,244	(45,060)	1,815,242	1,381,955	4,813	(9,414)	1,377,354
<b>Total held-to-maturity</b>	<b>1,858,058</b>	<b>2,244</b>	<b>(45,060)</b>	<b>1,815,242</b>	<b>1,381,955</b>	<b>4,813</b>	<b>(9,414)</b>	<b>1,377,354</b>

<sup>1</sup> For the six months ended June 30, 2018 and the year ended December 31, 2017, non-credit impairments recognized in accumulated other comprehensive loss ("AOCL") for HTM investments were nil.

**Investments with Unrealized Loss Positions**

The Bank does not believe that the AFS and HTM investment securities that were in an unrealized loss position as of June 30, 2018 (and December 31, 2017), which were comprised of 199 securities representing 73% of the AFS and HTM portfolios' fair value (December 31, 2017: 161 and 59%, respectively), represent an other-than-temporary impairment ("OTTI"). Total gross unrealized losses were 3.0% of the fair value of affected securities (December 31, 2017: 1.3%) and were attributable primarily to changes in market interest rates, relative to when the investment securities were purchased, and not due to the credit quality of the investment securities. The following describes the processes for identifying credit impairment in security types with the most significant unrealized losses as shown in the preceding tables.

Management believes that all the **US government and federal agencies securities** do not have any credit losses, given the explicit and implicit guarantees provided by the US federal government.

Management believes that all the **Non-US governments debt securities** do not have any credit losses, given the explicit guarantee provided by the issuing government.

The unrealized losses in **Corporate debt securities** relate primarily to 7 debt securities that are all of investment grade with ratings ranging from BBB+ to A+. Management believes that the value of these securities will recover and the current unrealized loss positions are a result of interest rate movements.

Investments in **Asset-backed securities - Student loans** are composed primarily of securities collateralized by Federal Family Education Loan Program loans ("FFELP loans"). FFELP loans benefit from a US federal government guarantee of at least 97% of defaulted principal and accrued interest, with additional credit support provided in the form of over-collateralization, subordination and excess spread, which collectively total in excess of 100%. Accordingly, the vast majority of FFELP loan-backed securities are not exposed to traditional consumer credit risk.

Investments in **Commercial mortgage-backed securities** relate to 10 senior securities rated AAA that possess significant subordination, a form of credit enhancement expressed hereafter as the percentage of pool losses that can occur before the senior securities held by the Bank will incur its first dollar of principal loss. No credit losses were recognized as for eight of these securities the weighted average credit support and the weighted average loan-to-value ratios ("LTV") range from 25% - 38% and 47% - 72%, respectively. The two remaining securities do not have explicit credit support, however these securities have LTVs of less than 30%.

Investments in **Residential mortgage-backed securities** relate to 17 securities which are rated AAA or AA+ and possess similar significant credit enhancement as described above. No credit losses were recognized on these securities as the weighted average credit support and the weighted average LTV ratios range from 5% - 20% and 54% - 66%, respectively. Current credit support is significantly greater than any delinquencies experienced on the underlying mortgages.

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**Notes to the Consolidated Financial Statements (unaudited) (continued)**  
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In the following tables, debt securities with unrealized losses that are not deemed to be OTTI are categorized as being in a loss position for "less than 12 months" or "12 months or more" based on the point in time that the fair value most recently declined below the amortized cost basis.

	<u>Less than 12 months</u>		<u>12 months or more</u>		Total fair value	Total gross unrealized losses
	Fair value	Gross unrealized losses	Fair value	Gross unrealized losses		
<b>June 30, 2018</b>						
<b>Available-for-sale securities with unrealized losses</b>						
US government and federal agencies	692,934	(13,653)	820,063	(31,489)	1,512,997	(45,142)
Non-US governments debt securities	—	—	22,360	(392)	22,360	(392)
Corporate debt securities	44,704	(332)	48,768	(1,626)	93,472	(1,958)
Asset-backed securities - Student loans	—	—	12,626	(664)	12,626	(664)
Commercial mortgage-backed securities	101,074	(3,129)	36,110	(820)	137,184	(3,949)
Residential mortgage-backed securities	117,567	(2,926)	50,191	(1,334)	167,758	(4,260)
<b>Total available-for-sale securities with unrealized losses</b>	<b>956,279</b>	<b>(20,040)</b>	<b>990,118</b>	<b>(36,325)</b>	<b>1,946,397</b>	<b>(56,365)</b>
<b>Held-to-maturity securities with unrealized losses</b>						
US government and federal agencies	1,207,045	(31,483)	268,884	(13,577)	1,475,929	(45,060)
<b>December 31, 2017</b>						
<b>Available-for-sale securities with unrealized losses</b>						
US government and federal agencies	497,307	(2,461)	1,014,252	(17,940)	1,511,559	(20,401)
Non-US governments debt securities	—	—	22,360	(386)	22,360	(386)
Corporate debt securities	86,501	(225)	39,479	(555)	125,980	(780)
Asset-backed securities - Student loans	—	—	12,493	(797)	12,493	(797)
Commercial mortgage-backed securities	98,822	(709)	36,766	(587)	135,588	(1,296)
Residential mortgage-backed securities	71,604	(486)	56,287	(1,149)	127,891	(1,635)
<b>Total available-for-sale securities with unrealized losses</b>	<b>754,234</b>	<b>(3,881)</b>	<b>1,181,637</b>	<b>(21,414)</b>	<b>1,935,871</b>	<b>(25,295)</b>
<b>Held-to-maturity securities with unrealized losses</b>						
US government and federal agencies	549,532	(2,862)	288,830	(6,552)	838,362	(9,414)

**The Bank of N.T. Butterfield & Son Limited**  
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**Investment Maturities**

The following table presents the remaining term to contractual maturity of the Bank's securities. The actual maturities may differ as certain securities offer prepayment options to the borrowers.

June 30, 2018	Remaining term to maturity				No specific or single maturity	Carrying amount
	Within 3 months	3 to 12 months	1 to 5 years	5 to 10 years		
<b>Trading</b>						
Mutual funds	—	—	—	—	6,786	6,786
<b>Available-for-sale</b>						
US government and federal agencies	—	—	34,215	—	2,390,319	2,424,534
Non-US governments debt securities	—	—	3,115	22,360	—	25,475
Corporate debt securities	—	29,837	63,634	—	—	93,471
Asset-backed securities - Student loans	—	—	—	—	12,626	12,626
Commercial mortgage-backed securities	—	—	—	—	138,015	138,015
Residential mortgage-backed securities	—	—	—	—	167,758	167,758
<b>Total available-for-sale</b>	<b>—</b>	<b>29,837</b>	<b>100,964</b>	<b>22,360</b>	<b>2,708,718</b>	<b>2,861,879</b>
<b>Held-to-maturity</b>						
US government and federal agencies	—	—	—	—	1,858,058	1,858,058
<b>Total investments</b>	<b>—</b>	<b>29,837</b>	<b>100,964</b>	<b>22,360</b>	<b>4,573,562</b>	<b>4,726,723</b>
<b>Total by currency</b>						
US dollars	—	29,837	100,964	22,360	4,573,340	4,726,501
Other	—	—	—	—	222	222
<b>Total investments</b>	<b>—</b>	<b>29,837</b>	<b>100,964</b>	<b>22,360</b>	<b>4,573,562</b>	<b>4,726,723</b>

**Pledged Investments**

The Bank pledges certain US government and federal agencies investment securities to further secure the Bank's issued customer deposit products. The secured party does not have the right to sell or repledge the collateral.

Pledged Investments	June 30, 2018		December 31, 2017	
	Amortized cost	Fair value	Amortized cost	Fair value
Available-for-sale	129,732	128,337	149,999	150,900
Held-to-maturity	230,212	222,280	202,303	201,523

**Sale Proceeds and Realized Gains and Losses of AFS Securities**

	Six months ended June 30, 2018		
	Sale proceeds	Gross realized gains	Gross realized (losses)
US government and federal agencies	320,470	767	(826)
Corporate debt securities	24,975	—	(87)
Pass-through note	1,040	1,040	—
<b>Total</b>	<b>346,485</b>	<b>1,807</b>	<b>(913)</b>

  

	Six months ended June 30, 2017		
	Sale proceeds	Gross realized gains	Gross realized (losses)
Corporate debt securities	202,700	1,683	—
Pass-through note	95	95	—
<b>Total</b>	<b>202,795</b>	<b>1,778</b>	<b>—</b>

**Taxability of Interest Income**

None of the investments' interest income have received a specific preferential income tax treatment in any of the jurisdictions in which the Bank owns investments.

**The Bank of N.T. Butterfield & Son Limited**  
**Notes to the Consolidated Financial Statements (unaudited) (continued)**  
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**Note 6: Loans**

The "Bermuda" and "Non-Bermuda" classifications purpose is to reflect management segment reporting as described in Note 12: Segmented information.

The principal means of securing residential mortgages, personal, credit card and business loans are entitlements over assets and guarantees. Mortgage loans are generally repayable over periods of up to thirty years and personal, business and government loans are generally repayable over terms not exceeding five years. Amounts owing on credit cards are revolving and typically a minimum amount is due within 30 days from billing. The effective yield on total loans as at June 30, 2018 is 5.34% (December 31, 2017: 5.09%).

	June 30, 2018			December 31, 2017		
	Bermuda	Non-Bermuda	Total	Bermuda	Non-Bermuda	Total
<b>Commercial loans</b>						
Government	191,044	13,042	204,086	139,987	13,414	153,401
Commercial and industrial	268,706	229,787	498,493	197,251	173,701	370,952
Commercial overdrafts	16,015	4,548	20,563	18,649	2,874	21,523
Total gross commercial loans	475,765	247,377	723,142	355,887	189,989	545,876
Less specific allowance for credit losses	(2,833)	(1,688)	(4,521)	(2,866)	—	(2,866)
<b>Net commercial loans</b>	<b>472,932</b>	<b>245,689</b>	<b>718,621</b>	<b>353,021</b>	<b>189,989</b>	<b>543,010</b>
<b>Commercial real estate loans</b>						
Commercial mortgage	342,720	190,047	532,767	346,094	189,741	535,835
Construction	27,632	29,206	56,838	24,500	23,743	48,243
Total gross commercial real estate loans	370,352	219,253	589,605	370,594	213,484	584,078
Less specific allowance for credit losses	(600)	—	(600)	(550)	(33)	(583)
<b>Net commercial real estate loans</b>	<b>369,752</b>	<b>219,253</b>	<b>589,005</b>	<b>370,044</b>	<b>213,451</b>	<b>583,495</b>
<b>Consumer loans</b>						
Automobile financing	12,857	6,669	19,526	13,113	6,182	19,295
Credit card	57,332	22,138	79,470	57,777	21,228	79,005
Overdrafts	3,957	2,954	6,911	5,490	2,871	8,361
Other consumer	31,368	44,702	76,070	29,818	51,196	81,014
Total gross consumer loans	105,514	76,463	181,977	106,198	81,477	187,675
Less specific allowance for credit losses	(274)	—	(274)	(274)	—	(274)
<b>Net consumer loans</b>	<b>105,240</b>	<b>76,463</b>	<b>181,703</b>	<b>105,924</b>	<b>81,477</b>	<b>187,401</b>
<b>Residential mortgage loans</b>	<b>1,124,851</b>	<b>1,397,621</b>	<b>2,522,472</b>	<b>1,156,134</b>	<b>1,338,566</b>	<b>2,494,700</b>
Less specific allowance for credit losses	(7,699)	(511)	(8,210)	(8,681)	(1,220)	(9,901)
<b>Net residential mortgage loans</b>	<b>1,117,152</b>	<b>1,397,110</b>	<b>2,514,262</b>	<b>1,147,453</b>	<b>1,337,346</b>	<b>2,484,799</b>
<b>Total gross loans</b>	<b>2,076,482</b>	<b>1,940,714</b>	<b>4,017,196</b>	<b>1,988,813</b>	<b>1,823,516</b>	<b>3,812,329</b>
Less specific allowance for credit losses	(11,406)	(2,199)	(13,605)	(12,371)	(1,253)	(13,624)
Less general allowance for credit losses	(13,499)	(4,374)	(17,873)	(16,339)	(5,504)	(21,843)
<b>Net loans</b>	<b>2,051,577</b>	<b>1,934,141</b>	<b>3,985,718</b>	<b>1,960,103</b>	<b>1,816,759</b>	<b>3,776,862</b>

**The Bank of N.T. Butterfield & Son Limited**  
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**Age Analysis of Past Due Loans (Including Non-Accrual Loans)**

The following tables summarize the past due status of the loans as at June 30, 2018 and December 31, 2017. The aging of past due amounts are determined based on the contractual delinquency status of payments under the loan and this aging may be affected by the timing of the last business day at period end. Loans less than 30 days past due are included in current loans.

June 30, 2018	30 - 59 days	60 - 89 days	More than 90 days	Total past due loans	Total current	Total loans
<b>Commercial loans</b>						
Government	—	—	—	—	204,086	204,086
Commercial and industrial	66	—	7,454	7,520	490,973	498,493
Commercial overdrafts	—	—	1	1	20,562	20,563
<b>Total commercial loans</b>	<b>66</b>	<b>—</b>	<b>7,455</b>	<b>7,521</b>	<b>715,621</b>	<b>723,142</b>
<b>Commercial real estate loans</b>						
Commercial mortgage	—	—	3,443	3,443	529,324	532,767
Construction	—	—	—	—	56,838	56,838
<b>Total commercial real estate loans</b>	<b>—</b>	<b>—</b>	<b>3,443</b>	<b>3,443</b>	<b>586,162</b>	<b>589,605</b>
<b>Consumer loans</b>						
Automobile financing	28	7	223	258	19,268	19,526
Credit card	382	151	118	651	78,819	79,470
Overdrafts	—	—	2	2	6,909	6,911
Other consumer	93	656	843	1,592	74,478	76,070
<b>Total consumer loans</b>	<b>503</b>	<b>814</b>	<b>1,186</b>	<b>2,503</b>	<b>179,474</b>	<b>181,977</b>
<b>Residential mortgage loans</b>	<b>24,470</b>	<b>9,181</b>	<b>32,701</b>	<b>66,352</b>	<b>2,456,120</b>	<b>2,522,472</b>
<b>Total gross loans</b>	<b>25,039</b>	<b>9,995</b>	<b>44,785</b>	<b>79,819</b>	<b>3,937,377</b>	<b>4,017,196</b>

December 31, 2017	30 - 59 days	60 - 89 days	More than 90 days	Total past due loans	Total current	Total loans
<b>Commercial loans</b>						
Government	—	—	—	—	153,401	153,401
Commercial and industrial	—	1,005	7,481	8,486	362,466	370,952
Commercial overdrafts	—	—	1	1	21,522	21,523
<b>Total commercial loans</b>	<b>—</b>	<b>1,005</b>	<b>7,482</b>	<b>8,487</b>	<b>537,389</b>	<b>545,876</b>
<b>Commercial real estate loans</b>						
Commercial mortgage	392	—	4,781	5,173	530,662	535,835
Construction	—	—	—	—	48,243	48,243
<b>Total commercial real estate loans</b>	<b>392</b>	<b>—</b>	<b>4,781</b>	<b>5,173</b>	<b>578,905</b>	<b>584,078</b>
<b>Consumer loans</b>						
Automobile financing	7	12	226	245	19,050	19,295
Credit card	422	177	170	769	78,236	79,005
Overdrafts	—	—	4	4	8,357	8,361
Other consumer	797	329	441	1,567	79,447	81,014
<b>Total consumer loans</b>	<b>1,226</b>	<b>518</b>	<b>841</b>	<b>2,585</b>	<b>185,090</b>	<b>187,675</b>
<b>Residential mortgage loans</b>	<b>19,121</b>	<b>10,142</b>	<b>35,658</b>	<b>64,921</b>	<b>2,429,779</b>	<b>2,494,700</b>
<b>Total gross loans</b>	<b>20,739</b>	<b>11,665</b>	<b>48,762</b>	<b>81,166</b>	<b>3,731,163</b>	<b>3,812,329</b>

**Loans' Credit Quality**

The four credit quality classifications set out in the following tables (which exclude purchased credit-impaired loans) are defined below and describe the credit quality of the Bank's lending portfolio. These classifications each encompass a range of more granular, internal credit rating grades assigned.

A **pass loan** shall mean a loan that is expected to be repaid as agreed. A loan is classified as pass where the Bank is not expected to face repayment difficulties because the present and projected cash flows are sufficient to repay the debt and the repayment schedule as established by the agreement is being followed.

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A **special mention** loan shall mean a loan under close monitoring by the Bank's management. Loans in this category are currently protected and still performing (current with respect to interest and principal payments), but are potentially weak and present an undue credit risk exposure, but not to the point of justifying a classification of substandard.

A **substandard** loan shall mean a loan whose evident unreliability makes repayment doubtful and there is a threat of loss to the Bank unless the unreliability is averted.

A **non-accrual** loan shall mean either management is of the opinion full payment of principal or interest is in doubt or when principal or interest is 90 days past due and for residential mortgage loans which are not well secured and in the process of collection.

June 30, 2018	Pass	Special mention	Substandard	Non-accrual	Total gross recorded investments
<b>Commercial loans</b>					
Government	200,336	—	—	3,750	204,086
Commercial and industrial	485,247	4,628	1,164	7,454	498,493
Commercial overdrafts	18,656	1,464	442	1	20,563
<b>Total commercial loans</b>	<b>704,239</b>	<b>6,092</b>	<b>1,606</b>	<b>11,205</b>	<b>723,142</b>
<b>Commercial real estate loans</b>					
Commercial mortgage	471,467	54,332	3,525	3,443	532,767
Construction	56,838	—	—	—	56,838
<b>Total commercial real estate loans</b>	<b>528,305</b>	<b>54,332</b>	<b>3,525</b>	<b>3,443</b>	<b>589,605</b>
<b>Consumer loans</b>					
Automobile financing	19,101	181	18	226	19,526
Credit card	79,352	—	118	—	79,470
Overdrafts	6,834	75	—	2	6,911
Other consumer	73,128	1,719	599	624	76,070
<b>Total consumer loans</b>	<b>178,415</b>	<b>1,975</b>	<b>735</b>	<b>852</b>	<b>181,977</b>
<b>Residential mortgage loans</b>	<b>2,381,703</b>	<b>34,581</b>	<b>77,672</b>	<b>28,516</b>	<b>2,522,472</b>
<b>Total gross recorded loans</b>	<b>3,792,662</b>	<b>96,980</b>	<b>83,538</b>	<b>44,016</b>	<b>4,017,196</b>

December 31, 2017	Pass	Special mention	Substandard	Non-accrual	Total gross recorded investments
<b>Commercial loans</b>					
Government	149,651	—	3,750	—	153,401
Commercial and industrial	357,298	4,864	1,309	7,481	370,952
Commercial overdrafts	17,558	3,569	395	1	21,523
<b>Total commercial loans</b>	<b>524,507</b>	<b>8,433</b>	<b>5,454</b>	<b>7,482</b>	<b>545,876</b>
<b>Commercial real estate loans</b>					
Commercial mortgage	464,283	63,663	3,108	4,781	535,835
Construction	48,243	—	—	—	48,243
<b>Total commercial real estate loans</b>	<b>512,526</b>	<b>63,663</b>	<b>3,108</b>	<b>4,781</b>	<b>584,078</b>
<b>Consumer loans</b>					
Automobile financing	18,816	232	21	226	19,295
Credit card	78,835	—	170	—	79,005
Overdrafts	8,263	94	—	4	8,361
Other consumer	79,080	1,419	31	484	81,014
<b>Total consumer loans</b>	<b>184,994</b>	<b>1,745</b>	<b>222</b>	<b>714</b>	<b>187,675</b>
<b>Residential mortgage loans</b>	<b>2,351,845</b>	<b>35,996</b>	<b>75,985</b>	<b>30,874</b>	<b>2,494,700</b>
<b>Total gross recorded loans</b>	<b>3,573,872</b>	<b>109,837</b>	<b>84,769</b>	<b>43,851</b>	<b>3,812,329</b>

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**Evaluation of Loans For Impairment**

	June 30, 2018		December 31, 2017	
	Individually evaluated	Collectively evaluated	Individually evaluated	Collectively evaluated
Commercial	12,188	710,954	8,487	537,389
Commercial real estate	6,968	582,637	7,889	576,189
Consumer	1,269	180,708	1,138	186,537
Residential mortgage	98,832	2,423,640	99,652	2,395,048
<b>Total gross loans</b>	<b>119,257</b>	<b>3,897,939</b>	<b>117,166</b>	<b>3,695,163</b>

**Changes in General and Specific Allowances For Credit Losses**

	Six months ended June 30, 2018				
	Commercial	Commercial real estate	Consumer	Residential mortgage	Total
Allowances at beginning of period	6,309	10,360	888	17,910	35,467
Provision taken (released)	1,637	(2,377)	208	(1,934)	(2,466)
Recoveries	4	27	292	79	402
Charge-offs	—	—	(437)	(1,466)	(1,903)
Other	(6)	(2)	—	(14)	(22)
<b>Allowances at end of period</b>	<b>7,944</b>	<b>8,008</b>	<b>951</b>	<b>14,575</b>	<b>31,478</b>
Allowances at end of period: individually evaluated for impairment	4,521	600	274	8,210	13,605
Allowances at end of period: collectively evaluated for impairment	3,423	7,408	677	6,365	17,873

	Six months ended June 30, 2017				
	Commercial	Commercial real estate	Consumer	Residential mortgage	Total
Allowances at beginning of period	3,377	16,224	965	23,681	44,247
Provision taken (released)	77	593	62	(558)	174
Recoveries	—	—	589	153	742
Charge-offs	(10)	—	(879)	(885)	(1,774)
Other	4	20	1	47	72
<b>Allowances at end of period</b>	<b>3,448</b>	<b>16,837</b>	<b>738</b>	<b>22,438</b>	<b>43,461</b>
Allowances at end of period: individually evaluated for impairment	566	769	274	9,712	11,321
Allowances at end of period: collectively evaluated for impairment	2,882	16,068	464	12,726	32,140



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Non-Performing Loans (excluding purchased credit-impaired loans)	June 30, 2018			December 31, 2017		
	Non-accrual	Past due more than 90 days and accruing	Total non-performing loans	Non-accrual	Past due more than 90 days and accruing	Total non-performing loans
<b>Commercial loans</b>						
Government	3,750	—	3,750	—	—	—
Commercial and industrial	7,454	—	7,454	7,481	—	7,481
Commercial overdrafts	1	—	1	1	—	1
<b>Total commercial loans</b>	<b>11,205</b>	<b>—</b>	<b>11,205</b>	<b>7,482</b>	<b>—</b>	<b>7,482</b>
<b>Commercial real estate loans</b>						
Commercial mortgage	3,443	—	3,443	4,781	—	4,781
<b>Consumer loans</b>						
Automobile financing	226	—	226	226	—	226
Credit card	—	118	118	—	170	170
Overdrafts	2	—	2	4	—	4
Other consumer	624	31	655	484	—	484
<b>Total consumer loans</b>	<b>852</b>	<b>149</b>	<b>1,001</b>	<b>714</b>	<b>170</b>	<b>884</b>
<b>Residential mortgage loans</b>	<b>28,516</b>	<b>4,515</b>	<b>33,031</b>	<b>30,874</b>	<b>4,186</b>	<b>35,060</b>
<b>Total non-performing loans</b>	<b>44,016</b>	<b>4,664</b>	<b>48,680</b>	<b>43,851</b>	<b>4,356</b>	<b>48,207</b>

**Impaired Loans (excluding purchased credit-impaired loans)**

A loan is considered to be impaired when, based on current information and events, the Bank determines that it will not be able to collect all amounts due according to the original loan contract, including scheduled interest payments. Impaired loans include all non-accrual loans and all loans modified in a troubled debt restructuring (“TDR”) even if full collectability is expected following the restructuring. During the six months ended June 30, 2018, the amount of gross interest income that would have been recorded had impaired loans been current was \$1.1 million (June 30, 2017: \$1.6 million).

June 30, 2018	Impaired loans with an allowance			Gross recorded investment of impaired loans without an allowance	Total impaired loans		
	Gross recorded investment	Specific allowance	Net loans		Gross recorded investment	Specific allowance	Net loans
<b>Commercial loans</b>							
Government	3,750	(1,688)	2,062	—	3,750	(1,688)	2,062
Commercial and industrial	7,454	(2,833)	4,621	983	8,437	(2,833)	5,604
Commercial overdrafts	—	—	—	1	1	—	1
<b>Total commercial loans</b>	<b>11,204</b>	<b>(4,521)</b>	<b>6,683</b>	<b>984</b>	<b>12,188</b>	<b>(4,521)</b>	<b>7,667</b>
<b>Commercial real estate loans</b>							
Commercial mortgage	1,114	(600)	514	5,854	6,968	(600)	6,368
<b>Consumer loans</b>							
Automobile financing	134	(75)	59	92	226	(75)	151
Overdrafts	—	—	—	2	2	—	2
Other consumer	199	(199)	—	425	624	(199)	425
<b>Total consumer loans</b>	<b>333</b>	<b>(274)</b>	<b>59</b>	<b>519</b>	<b>852</b>	<b>(274)</b>	<b>578</b>
<b>Residential mortgage loans</b>	<b>44,740</b>	<b>(8,092)</b>	<b>36,648</b>	<b>51,148</b>	<b>95,888</b>	<b>(8,092)</b>	<b>87,796</b>
<b>Total impaired loans</b>	<b>57,391</b>	<b>(13,487)</b>	<b>43,904</b>	<b>58,505</b>	<b>115,896</b>	<b>(13,487)</b>	<b>102,409</b>

Specific allowance excludes \$0.1 million recognized relating to purchased credit-impaired loans.

**The Bank of N.T. Butterfield & Son Limited**  
**Notes to the Consolidated Financial Statements (unaudited) (continued)**  
*(In thousands of US dollars, unless otherwise stated)*

December 31, 2017	Impaired loans with an allowance			Gross recorded investment of impaired loans without an allowance	Total impaired loans		
	Gross recorded investment	Specific allowance	Net loans		Gross recorded investment	Specific allowance	Net loans
<b>Commercial loans</b>							
Commercial and industrial	7,475	(2,866)	4,609	1,011	8,486	(2,866)	5,620
Commercial overdrafts	—	—	—	1	1	—	1
<b>Total commercial loans</b>	<b>7,475</b>	<b>(2,866)</b>	<b>4,609</b>	<b>1,012</b>	<b>8,487</b>	<b>(2,866)</b>	<b>5,621</b>
<b>Commercial real estate loans</b>							
Commercial mortgage	1,585	(583)	1,002	6,304	7,889	(583)	7,306
<b>Consumer loans</b>							
Automobile financing	138	(75)	63	88	226	(75)	151
Overdrafts	—	—	—	4	4	—	4
Other consumer	199	(199)	—	285	484	(199)	285
<b>Total consumer loans</b>	<b>337</b>	<b>(274)</b>	<b>63</b>	<b>377</b>	<b>714</b>	<b>(274)</b>	<b>440</b>
<b>Residential mortgage loans</b>	<b>53,698</b>	<b>(9,630)</b>	<b>44,068</b>	<b>42,055</b>	<b>95,753</b>	<b>(9,630)</b>	<b>86,123</b>
<b>Total impaired loans</b>	<b>63,095</b>	<b>(13,353)</b>	<b>49,742</b>	<b>49,748</b>	<b>112,843</b>	<b>(13,353)</b>	<b>99,490</b>

Specific allowance excludes \$0.3 million recognized relating to purchased credit-impaired loans.

**Average Impaired Loan Balances and Related Recognized Interest Income**

	June 30, 2018		December 31, 2017	
	Average gross recorded investment	Interest income recognized <sup>1</sup>	Average gross recorded investment	Interest income recognized <sup>1</sup>
<b>Commercial loans</b>				
Government	3,750	—	—	—
Commercial and industrial	8,462	33	5,057	63
Commercial overdrafts	1	—	2	—
<b>Total commercial loans</b>	<b>12,213</b>	<b>33</b>	<b>5,059</b>	<b>63</b>
<b>Commercial real estate loans</b>				
Commercial mortgage	7,429	152	7,778	222
<b>Consumer loans</b>				
Automobile financing	226	—	256	—
Overdrafts	3	—	11	—
Other consumer	554	—	598	—
<b>Total consumer loans</b>	<b>783</b>	<b>—</b>	<b>865</b>	<b>—</b>
<b>Residential mortgage loans</b>	<b>95,821</b>	<b>2,160</b>	<b>89,063</b>	<b>4,378</b>
<b>Total impaired loans</b>	<b>116,246</b>	<b>2,345</b>	<b>102,765</b>	<b>4,663</b>

<sup>1</sup> All interest income recognized on impaired loans relate to loans previously modified in a TDR.

**Loans Modified in a TDR**

As at June 30, 2018, the Bank had no loans that were modified in a TDR during the preceding 12 months that subsequently defaulted (i.e. 90 days or more past due following a modification). As at December 31, 2017, the Bank had no loans that were modified in a TDR during the preceding 12 months that subsequently defaulted.

**The Bank of N.T. Butterfield & Son Limited**  
**Notes to the Consolidated Financial Statements (unaudited) (continued)**  
*(In thousands of US dollars, unless otherwise stated)*

**TDRs entered into during the period**

	Six months ended June 30, 2018			
	Number of contracts	Pre-modification recorded investment	Modification: interest capitalization	Post-modification recorded investment
Residential mortgage loans	13	5,729	528	6,257
<b>Total loans modified in a TDR</b>	<b>13</b>	<b>5,729</b>	<b>528</b>	<b>6,257</b>

	Six months ended June 30, 2017			
	Number of contracts	Pre-modification recorded investment	Modification: interest capitalization	Post-modification recorded investment
Commercial loans	2	386	—	386
Commercial real estate loans	2	1,112	—	1,112
Residential mortgage loans	14	9,556	607	10,163
<b>Total loans modified in a TDR</b>	<b>18</b>	<b>11,054</b>	<b>607</b>	<b>11,661</b>

	June 30, 2018		December 31, 2017	
	Accrual	Non-accrual	Accrual	Non-accrual
<b>TDRs outstanding</b>				
Commercial loans	983	—	1,005	—
Commercial real estate loans	3,525	1,028	3,108	1,471
Residential mortgage loans	67,372	5,761	64,879	5,623
<b>Total TDRs outstanding</b>	<b>71,880</b>	<b>6,789</b>	<b>68,992</b>	<b>7,094</b>

**Purchased Credit-Impaired Loans**

The Bank acquired certain credit-impaired loans as part of the November 7, 2014 acquisition of substantially all retail loans of HSBC Bank (Cayman) Limited. The accretable difference (or "accretable yield") represents the excess of a loan's cash flows expected to be collected over the loan's carrying amount.

	Six months ended June 30, 2018			
	Contractual principal	Non-accretable difference	Accretable difference	Carrying amount
Balance at beginning of period	6,001	(1,239)	(711)	4,051
Advances and increases in cash flows expected to be collected	29	(5)	5	29
Reductions resulting from repayments	(1,269)	191	87	(991)
Reductions resulting from changes in allowances for credit losses	—	153	—	153
<b>Balance at end of period</b>	<b>4,761</b>	<b>(900)</b>	<b>(619)</b>	<b>3,242</b>

	Year ended December 31, 2017			
	Contractual principal	Non-accretable difference	Accretable difference	Carrying amount
Balance at beginning of period	8,016	(1,617)	(811)	5,588
Advances and increases in cash flows expected to be collected	36	48	(48)	36
Reductions resulting from repayments	(1,581)	307	148	(1,126)
Reductions resulting from changes in allowances for credit losses	—	(99)	—	(99)
Reductions resulting from charge-offs	(470)	122	—	(348)
<b>Balance at end of period</b>	<b>6,001</b>	<b>(1,239)</b>	<b>(711)</b>	<b>4,051</b>

**The Bank of N.T. Butterfield & Son Limited**  
**Notes to the Consolidated Financial Statements (unaudited) (continued)**  
*(In thousands of US dollars, unless otherwise stated)*

**Note 7: Credit risk concentrations**

Concentrations of credit risk in the lending and off-balance sheet credit-related arrangements portfolios arise when a number of customers are engaged in similar business activities, are in the same geographic region, or when they have similar economic features that would cause their ability to meet contractual obligations to be similarly affected by changes in economic conditions. The Bank regularly monitors various segments of its credit risk portfolio to assess potential concentrations of risks and to obtain collateral when deemed necessary. In the Bank's commercial portfolio, risk concentrations are evaluated primarily by industry and by geographic region of loan origination. In the consumer portfolio, concentrations are evaluated primarily by products. Credit exposures include loans, guarantees and acceptances, letters of credit and commitments for undrawn lines of credit. Unconditionally cancellable credit cards and overdraft lines of credit are excluded from the tables below.

The following tables summarize the credit exposure of the Bank by business sector and by geographic region. The on-balance sheet exposure amounts disclosed are net of specific allowances and the off-balance sheet exposure amounts disclosed are gross of collateral held.

Business sector	June 30, 2018			December 31, 2017		
	Loans	Off-balance sheet	Total credit exposure	Loans	Off-balance sheet	Total credit exposure
Banks and financial services	566,252	343,634	909,886	459,132	390,278	849,410
Commercial and merchandising	305,225	153,581	458,806	261,560	193,583	455,143
Governments	202,856	40,000	242,856	153,952	85,807	239,759
Individuals	2,264,042	102,467	2,366,509	2,274,632	114,215	2,388,847
Primary industry and manufacturing	78,962	1,950	80,912	59,532	9,567	69,099
Real estate	435,370	1,975	437,345	439,595	2,225	441,820
Hospitality industry	145,611	2,451	148,062	144,808	73	144,881
Transport and communication	5,273	—	5,273	5,494	—	5,494
Sub-total	4,003,591	646,058	4,649,649	3,798,705	795,748	4,594,453
General allowance	(17,873)	—	(17,873)	(21,843)	—	(21,843)
<b>Total</b>	<b>3,985,718</b>	<b>646,058</b>	<b>4,631,776</b>	<b>3,776,862</b>	<b>795,748</b>	<b>4,572,610</b>

Geographic region	June 30, 2018				December 31, 2017			
	Cash due from banks, resell agreements and short-term investments	Loans	Off-balance sheet	Total credit exposure	Cash due from banks, resell agreements and short-term investments	Loans	Off-balance sheet	Total credit exposure
Australia	109,258	—	—	109,258	113,920	—	—	113,920
Bermuda	25,743	2,253,130	372,303	2,651,176	14,512	2,132,918	418,850	2,566,280
Canada	243,605	—	—	243,605	386,322	—	—	386,322
Cayman	23,100	688,831	124,009	835,940	67,942	669,767	229,731	967,440
Guernsey	5	310,519	27,451	337,975	3	292,806	41,648	334,457
Japan	20,334	—	—	20,334	12,852	—	—	12,852
New Zealand	6,637	—	—	6,637	7,951	—	—	7,951
Norway	30,394	—	—	30,394	25,440	—	—	25,440
Saint Lucia	—	90,000	—	90,000	—	120,000	—	120,000
Switzerland	7,060	—	—	7,060	5,743	—	—	5,743
The Bahamas	1,510	15,357	—	16,867	1,652	17,451	—	19,103
United Kingdom	1,025,068	643,691	122,295	1,791,054	775,853	562,013	105,519	1,443,385
United States	425,074	—	—	425,074	544,703	—	—	544,703
Other	5,487	2,063	—	7,550	6,998	3,750	—	10,748
Sub-total	1,923,275	4,003,591	646,058	6,572,924	1,963,891	3,798,705	795,748	6,558,344
General allowance	—	(17,873)	—	(17,873)	—	(21,843)	—	(21,843)
<b>Total</b>	<b>1,923,275</b>	<b>3,985,718</b>	<b>646,058</b>	<b>6,555,051</b>	<b>1,963,891</b>	<b>3,776,862</b>	<b>795,748</b>	<b>6,536,501</b>

**The Bank of N.T. Butterfield & Son Limited**  
**Notes to the Consolidated Financial Statements (unaudited) (continued)**  
*(In thousands of US dollars, unless otherwise stated)*

**Note 8: Customer deposits and deposits from banks**

**By Maturity**

June 30, 2018	Demand		Total demand deposits	Term				Total term deposits	Total deposits
	Non-interest bearing	Interest bearing		Within 3 months	3 to 6 months	6 to 12 months	After 12 months		
<b>Customers</b>									
<b>Bermuda</b>									
Demand or less than \$100k <sup>1</sup>	1,558,481	3,198,704	4,757,185	10,414	4,931	9,727	14,817	39,889	4,797,074
Term - \$100k or more	N/A	N/A	—	613,932	52,113	66,459	36,834	769,338	769,338
<b>Total Bermuda</b>	<b>1,558,481</b>	<b>3,198,704</b>	<b>4,757,185</b>	<b>624,346</b>	<b>57,044</b>	<b>76,186</b>	<b>51,651</b>	<b>809,227</b>	<b>5,566,412</b>
<b>Non-Bermuda</b>									
Demand or less than \$100k	587,288	2,712,039	3,299,327	17,874	4,017	6,176	803	28,870	3,328,197
Term and \$100k or more	N/A	N/A	—	399,824	61,513	329,642	7,904	798,883	798,883
<b>Total non-Bermuda</b>	<b>587,288</b>	<b>2,712,039</b>	<b>3,299,327</b>	<b>417,698</b>	<b>65,530</b>	<b>335,818</b>	<b>8,707</b>	<b>827,753</b>	<b>4,127,080</b>
<b>Total customer deposits</b>	<b>2,145,769</b>	<b>5,910,743</b>	<b>8,056,512</b>	<b>1,042,044</b>	<b>122,574</b>	<b>412,004</b>	<b>60,358</b>	<b>1,636,980</b>	<b>9,693,492</b>
<b>Banks</b>									
<b>Bermuda</b>									
Demand or less than \$100k	9,947	—	9,947	—	—	—	—	—	9,947
<b>Non-Bermuda</b>									
Demand or less than \$100k	—	7,175	7,175	—	—	—	—	—	7,175
Term and \$100k or more	N/A	N/A	—	7,263	—	—	—	7,263	7,263
<b>Total non-Bermuda</b>	<b>—</b>	<b>7,175</b>	<b>7,175</b>	<b>7,263</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>7,263</b>	<b>14,438</b>
<b>Total bank deposits</b>	<b>9,947</b>	<b>7,175</b>	<b>17,122</b>	<b>7,263</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>7,263</b>	<b>24,385</b>
<b>Total deposits</b>	<b>2,155,716</b>	<b>5,917,918</b>	<b>8,073,634</b>	<b>1,049,307</b>	<b>122,574</b>	<b>412,004</b>	<b>60,358</b>	<b>1,644,243</b>	<b>9,717,877</b>

December 31, 2017	Demand		Total demand deposits	Term				Total term deposits	Total deposits
	Non-interest bearing	Interest bearing		Within 3 months	3 to 6 months	6 to 12 months	After 12 months		
<b>Customers</b>									
<b>Bermuda</b>									
Demand or less than \$100k <sup>1</sup>	1,840,201	2,578,411	4,418,612	13,983	4,267	8,640	13,984	40,874	4,459,486
Term - \$100k or more	N/A	N/A	—	646,751	33,495	75,235	37,857	793,338	793,338
<b>Total Bermuda</b>	<b>1,840,201</b>	<b>2,578,411</b>	<b>4,418,612</b>	<b>660,734</b>	<b>37,762</b>	<b>83,875</b>	<b>51,841</b>	<b>834,212</b>	<b>5,252,824</b>
<b>Non-Bermuda</b>									
Demand or less than \$100k	639,525	2,755,517	3,395,042	19,147	5,202	4,762	781	29,892	3,424,934
Term and \$100k or more	N/A	N/A	—	657,134	88,650	94,245	6,205	846,234	846,234
<b>Total non-Bermuda</b>	<b>639,525</b>	<b>2,755,517</b>	<b>3,395,042</b>	<b>676,281</b>	<b>93,852</b>	<b>99,007</b>	<b>6,986</b>	<b>876,126</b>	<b>4,271,168</b>
<b>Total customer deposits</b>	<b>2,479,726</b>	<b>5,333,928</b>	<b>7,813,654</b>	<b>1,337,015</b>	<b>131,614</b>	<b>182,882</b>	<b>58,827</b>	<b>1,710,338</b>	<b>9,523,992</b>
<b>Banks</b>									
<b>Bermuda</b>									
Demand or less than \$100k	442	—	442	—	—	—	—	—	442
<b>Non-Bermuda</b>									
Demand or less than \$100k	—	7,704	7,704	—	—	—	—	—	7,704
Term and \$100k or more	N/A	N/A	—	4,220	—	100	—	4,320	4,320
<b>Total non-Bermuda</b>	<b>—</b>	<b>7,704</b>	<b>7,704</b>	<b>4,220</b>	<b>—</b>	<b>100</b>	<b>—</b>	<b>4,320</b>	<b>12,024</b>
<b>Total bank deposits</b>	<b>442</b>	<b>7,704</b>	<b>8,146</b>	<b>4,220</b>	<b>—</b>	<b>100</b>	<b>—</b>	<b>4,320</b>	<b>12,466</b>
<b>Total deposits</b>	<b>2,480,168</b>	<b>5,341,632</b>	<b>7,821,800</b>	<b>1,341,235</b>	<b>131,614</b>	<b>182,982</b>	<b>58,827</b>	<b>1,714,658</b>	<b>9,536,458</b>

<sup>1</sup> As at June 30, 2018, \$225 million (December 31, 2017: \$225 million) of the Demand deposits - Interest bearing bear a special negligible interest rate. The weighted-average interest rate on interest-bearing demand deposits as at June 30, 2018 is 0.02% (December 31, 2017: 0.02%).

**The Bank of N.T. Butterfield & Son Limited**  
**Notes to the Consolidated Financial Statements (unaudited) (continued)**  
*(In thousands of US dollars, unless otherwise stated)*

By Type and Segment	June 30, 2018			December 31, 2017		
	Payable on demand	Payable on a fixed date	Total	Payable on demand	Payable on a fixed date	Total
<b>Bermuda</b>						
Customers	4,757,184	809,228	5,566,412	4,418,649	834,211	5,252,860
Banks	9,947	—	9,947	442	—	442
<b>Cayman</b>						
Customers	2,527,607	368,867	2,896,474	2,529,499	405,215	2,934,714
Banks	6,695	7,263	13,958	7,704	4,320	12,024
<b>Channel Islands and the UK</b>						
Customers	771,721	458,885	1,230,606	865,506	470,912	1,336,418
Banks	480	—	480	—	—	—
Total Customers	8,056,512	1,636,980	9,693,492	7,813,654	1,710,338	9,523,992
Total Banks	17,122	7,263	24,385	8,146	4,320	12,466
<b>Total deposits</b>	<b>8,073,634</b>	<b>1,644,243</b>	<b>9,717,877</b>	<b>7,821,800</b>	<b>1,714,658</b>	<b>9,536,458</b>

**Note 9: Employee benefit plans**

The Bank maintains trustee pension plans including non-contributory defined benefit plans and a number of defined contribution plans, and provides post-retirement medical benefits to its qualifying retirees. The expense related to these plans is included in the consolidated statements of operations under salaries and other employee benefits. The defined benefit provisions under the pension plans are generally based upon years of service and average salary during the relevant years of employment. The defined benefit and post-retirement medical plans are not open to new participants and are non-contributory and the funding required is provided by the Bank, based upon the advice of independent actuaries. The defined benefit pension plans are in the Bermuda, Guernsey and United Kingdom jurisdictions and the defined benefit post-retirement medical plan is in Bermuda.

The Bank includes an estimate of the 2018 Bank contribution and estimated benefit payments for the next ten years under the pension and post-retirement plans in its financial statements for the year-ended December 31, 2017. During the six months ended June 30, 2018, there have been no material revisions to these estimates.

Line item in the consolidated statements of operations	Three months ended		Six months ended	
	June 30, 2018	June 30, 2017	June 30, 2018	June 30, 2017
<b>Defined benefit pension expense (income)</b>				
Interest cost	1,247	1,335	2,518	2,653
Expected return on plan assets	(2,187)	(2,043)	(4,411)	(4,058)
Amortization of net actuarial loss	525	548	1,051	1,116
Settlement loss	1,548	—	1,548	—
<b>Total defined benefit pension expense (income)</b>	<b>1,133</b>	<b>(160)</b>	<b>706</b>	<b>(289)</b>
<b>Post-retirement medical benefit expense (income)</b>				
Service cost	15	15	31	31
Interest cost	1,077	1,177	2,153	2,353
Amortization of net actuarial losses	653	878	1,307	1,757
Amortization of prior service credit	10	(190)	20	(380)
<b>Total post-retirement medical benefit expense (income)</b>	<b>1,755</b>	<b>1,880</b>	<b>3,511</b>	<b>3,761</b>

The components of defined benefit pension expense (income) and post-retirement benefit expense (income) other than the service cost component are included in the line item non-service employee benefits expense in the consolidated statements of income.

**Note 10: Credit related arrangements, repurchase agreements and commitments**

**Commitments**

The Bank enters into contractual commitments to extend credit, normally with fixed expiration dates or termination clauses, at specified rates and for specific purposes. Substantially all of the Bank's commitments to extend credit are contingent upon customers maintaining specific credit standards at the time of loan funding. Management assesses the credit risk associated with certain commitments to extend credit in determining the level of the allowance for possible loan losses.

The Bank has a facility by one of its custodians, whereby the Bank may offer up to US\$200 million of standby letters of credit to its customers on a fully secured basis. Under the standard terms of the facility, the custodian has the right to set-off against securities held of 110% of the utilized facility. At June 30, 2018, \$50.7 million (December 31, 2017: \$77.0 million) of standby letters of credit were issued under this facility.

Outstanding unfunded commitments to extend credit	June 30, 2018	December 31, 2017
Commitments to extend credit	472,828	602,740
Documentary and commercial letters of credit	2,251	1,263
<b>Total unfunded commitments to extend credit</b>	<b>475,079</b>	<b>604,003</b>

**Credit-Related Arrangements**

Standby letters of credit and letters of guarantee are issued at the request of a Bank customer in order to secure the customer's payment or performance obligations to a third party. These guarantees represent an irrevocable obligation of the Bank to pay the third party beneficiary upon presentation of the guarantee and satisfaction of the documentary requirements stipulated therein, without investigation as to the validity of the beneficiary's claim against the customer. Generally, the term of the standby letters of credit does not exceed one year, while the term of the letters of guarantee does not exceed four years. The types and amounts of collateral security held by the Bank for these standby letters of credit and letters of guarantee is generally represented by deposits with the Bank or a charge over assets held in mutual funds.

The Bank considers the fees collected in connection with the issuance of standby letters of credit and letters of guarantee to be representative of the fair value of its obligation undertaken in issuing the guarantee. In accordance with applicable accounting standards related to guarantees, the Bank defers fees collected in connection with the issuance of standby letters of credit and letters of guarantee. The fees are then recognized in income proportionately over the life of the credit agreements. The following table presents the outstanding financial guarantees. Collateral is shown at estimated market value less selling cost. Where the collateral is cash, it is shown gross including accrued income.

Outstanding financial guarantees	June 30, 2018			December 31, 2017		
	Gross	Collateral	Net	Gross	Collateral	Net
Standby letters of credit	167,645	160,495	7,150	186,408	178,158	8,250
Letters of guarantee	3,334	3,218	116	5,337	5,251	86
<b>Total</b>	<b>170,979</b>	<b>163,713</b>	<b>7,266</b>	<b>191,745</b>	<b>183,409</b>	<b>8,336</b>

**Repurchase agreements**

The Bank utilizes repurchase agreements and resell agreements (reverse repurchase agreements) to manage liquidity. The risks of these transactions include changes in the fair value in the securities posted or received as collateral and other credit related events. The Bank manages these risks by ensuring that the collaterals involved are appropriate and by monitoring the value of the securities posted or received as collateral on a daily basis.

As at June 30, 2018, the Bank had 11 open positions (December 31, 2017: 23) in resell agreements with a remaining maturity of less than 30 days involving pools of mortgages issued by US federal agencies. The amortized cost of these resell agreements is \$88.8 million (December 31, 2017: \$178.8 million) and are included in securities purchased under agreement to resell on the consolidated balance sheets. As at June 30, 2018, there were no positions (December 31, 2017: no positions) which were offset on the balance sheet to arrive at the carrying value, and there was no collateral amount which was available to offset against the future settlement amount.

**Legal Proceedings**

There are actions and legal proceedings pending against the Bank and its subsidiaries which arose in the normal course of its business. Management, after reviewing all actions and proceedings pending against or involving the Bank and its subsidiaries, considers that the resolution of these matters would in the aggregate not be material to the consolidated financial position of the Bank, except as noted in the following paragraphs.

As publicly announced, in November 2013, the US Attorney's Office for the Southern District of New York applied for and secured the issuance of so-called John Doe Summonses to six US financial institutions with which the Bank had correspondent bank relationships. The Bank has been fully cooperating with the US authorities in their ongoing investigation. Specifically, the Bank has conducted an extensive review and account remediation exercise to determine the US tax compliance status of US person account holders. The review process and results have been shared with the US authorities.

Management believes that as of June 30, 2018, a provision of \$5.5 million (December 31, 2017: \$5.5 million), which has been recorded, is appropriate. As the investigation remains ongoing at this time, the timing and terms of the final resolution, including any fines or penalties, remain uncertain and the financial impact to the Bank could exceed the amount of the provision. In this regard, we note that the US authorities have not approved or commented on the adequacy or reasonableness of the estimate. The provision is included on the consolidated balance sheets under other liabilities and on the consolidated statements of operations under other expenses.

**Pending Business Acquisition**

On February 15, 2018, the Bank announced that it had entered into an agreement to acquire Deutsche Bank's banking and custody business in the Cayman Islands, Guernsey and Jersey. The transaction is subject to customary closing conditions, and is expected to close during the second half of 2018.

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**Note 11: Exit cost obligations**

During December 2015, the Bank agreed to commence an orderly wind down of the deposit taking and investment management businesses in the United Kingdom segment as reflected in management segment reporting described in Note 12: Segmented information. In making this determination, the Bank considered the increasing regulatory pressure along with periods of negative profitability and made the determination that an orderly wind down of the deposit taking and investment management businesses in the United Kingdom was prudent for Butterfield as a group. The orderly wind down was largely completed by the end of 2016 with the change in business operations to mortgage lending services and the change in name from Butterfield Bank (UK) Limited to Butterfield Mortgages Limited. The amounts expensed shown in the following table are all included in the consolidated statements of operations as restructuring costs under non-interest expenses.

Related to this orderly wind down, it was determined that the core banking system utilized in the operations of the United Kingdom segment was impaired (included in premises, equipment and computer software on the consolidated balance sheets). This determination was based upon the realizable value of this software upon completion of the orderly wind down.

	Expense recognized by period				Amounts paid by period		Exit cost liability	
	Six months ended June 30, 2018	Years 2017, 2016 and 2015	Costs to be recognized in the future	Total exit costs expected to be incurred	Six months ended June 30, 2018	Years 2017, 2016 and 2015	As at June 30, 2018	As at December 31, 2017
Staff redundancy expenses	—	3,680	—	3,680	—	3,680	—	—
Professional services	—	4,388	—	4,388	—	4,388	—	—
Lease termination expenses	—	649	—	649	—	649	—	—
Other expenses	—	1,504	660	2,164	—	1,504	—	—
<b>Total</b>	<b>—</b>	<b>10,221</b>	<b>660</b>	<b>10,881</b>	<b>—</b>	<b>10,221</b>	<b>—</b>	<b>—</b>

**Note 12: Segmented information**

The Bank is managed by the CEO on a geographic basis. In 2017, the Bank presented six segments which included Bermuda, Cayman, Guernsey, Switzerland, The Bahamas and the United Kingdom. In 2018, the Bank reassessed the segment reporting as a result of acquisitions which were announced in 2017 or early 2018 and concluded on the following three geographic segments: Bermuda, Cayman, and Channel Islands and the UK. The Other segment is composed of several non-reportable operating segments that have been aggregated in accordance with US GAAP. Each region has a managing director who reports through the Chief Operating Officer to the CEO. The CEO and the region managing director have final authority over resource allocation decisions and performance assessment. The 2017 classification presented below was revised to conform the presentation for all periods to the current period's presentation.

The geographic segments reflect this management structure and the manner in which financial information is currently evaluated by the CEO. Segment results are determined based on the Bank's management reporting system, which assigns balance sheet and income statement items to each of the geographic segments. The process is designed around the Bank's organizational and management structure and, accordingly, the results derived are not necessarily comparable with similar information published by other financial institutions. A description of each reportable segment and table of financial results is presented below.

Accounting policies of the reportable segments are the same as those described in Note 2 of the Bank's audited financial statements for the year ended December 31, 2017. Transactions between segments are accounted for on an accrual basis and are all eliminated upon consolidation. The Bank generally does not allocate assets, revenues and expenses among its business segments, with the exception of certain corporate overhead expenses and loan participation revenue and expense. Loan participation revenue and expenses are allocated pro-rata based upon the percentage of the total loan funded by each jurisdiction participating in the loan.

The **Bermuda** segment provides a full range of retail, commercial and private banking services. Retail services are offered to individuals and small to medium-sized businesses through four branch locations and through internet banking, mobile banking, automated teller machines ("ATMs") and debit cards. Retail services include deposit services, consumer and mortgage lending, credit cards and personal insurance products. Commercial banking includes commercial lending and mortgages, cash management, payroll services, remote banking and letters of credit. Treasury services include money market and foreign exchange activities. Bermuda's wealth management offering consists of Butterfield Asset Management Limited, which provides investment management, advisory and brokerage services and Butterfield Trust (Bermuda) Limited, which provides trust, estate, company management and custody services. Bermuda is also the location of Bank's head offices and accordingly, retains the unallocated corporate overhead expenses.

The **Cayman** segment provides a comprehensive range of retail, commercial and private banking services. Retail services are offered to individuals and small to medium-sized businesses through three branch locations and through internet banking, mobile banking, ATMs and debit cards. Retail services include deposit services, consumer and mortgage lending, credit cards and property/auto insurance. Commercial banking includes commercial lending and mortgages, cash management, payroll services, remote banking and letters of credit. Treasury services include money market and foreign exchange activities. Cayman's wealth management offering comprises investment management, advisory and brokerage services and Butterfield Trust (Cayman) Limited, which provides trust, estate and company management.

The **Channel Islands and the UK** segment includes the jurisdictions of Guernsey (Channel Islands), and the UK. In the Channel Islands, a broad range of services are provided to private clients and financial institutions including private banking and treasury services, internet banking, wealth management and fiduciary services. The UK jurisdiction provides mortgage services for high-value residential properties.

The **Other** segment includes the jurisdictions of the Bahamas, Canada, Mauritius, Singapore and Switzerland. These operating segments individually and collectively do not meet the quantitative threshold for segmented reporting and are therefore aggregated as non-reportable operating segments.



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Effective June 30, 2018, the Bank revised the presentation of total assets by segment in the following table to exclude the effect of investment in subsidiaries from the total assets in each segment.

<b>Total Assets by Segment</b>	<b>June 30, 2018</b>	December 31, 2017
Bermuda	6,305.061	6,053.546
Cayman	3,246.458	3,242.343
Channel Islands and the UK	1,602.032	1,586.134
Other	24.898	13.859
<b>Total assets before inter-segment eliminations</b>	<b>11,178.449</b>	10,895.882
Less: inter-segment eliminations	(176.074)	(116.645)
<b>Total</b>	<b>11,002.375</b>	10,779.237

Three months ended June 30, 2018	Net interest income		Provision for credit losses	Non-interest income	Revenue before gains and losses	Gains and losses	Total net revenue	Total expenses	Net income
	Customer	Inter- segment							
Bermuda	53,050	647	997	22,124	76,818	186	77,004	47,874	29,130
Cayman	25,267	—	(738)	11,712	36,241	(80)	36,161	15,279	20,882
Channel Islands and the UK	9,073	(647)	265	7,011	15,702	(1,683)	14,019	13,362	657
Other	6	—	—	3,675	3,681	—	3,681	4,638	(957)
<b>Total before eliminations</b>	<b>87,396</b>	<b>—</b>	<b>524</b>	<b>44,522</b>	<b>132,442</b>	<b>(1,577)</b>	<b>130,865</b>	<b>81,153</b>	<b>49,712</b>
Inter-segment eliminations	—	—	—	(2,583)	(2,583)	—	(2,583)	(2,583)	—
<b>Total</b>	<b>87,396</b>	<b>—</b>	<b>524</b>	<b>41,939</b>	<b>129,859</b>	<b>(1,577)</b>	<b>128,282</b>	<b>78,570</b>	<b>49,712</b>

Three months ended June 30, 2017	Net interest income		Provision for credit losses	Non-interest income	Revenue before gains and losses	Gains and losses	Total net revenue	Total expenses	Net income
	Customer	Inter- segment							
Bermuda	44,258	297	(881)	19,848	63,522	1,965	65,487	47,959	17,528
Cayman	21,392	—	456	10,827	32,675	25	32,700	14,879	17,821
Channel Islands and the UK	5,786	(318)	(88)	6,382	11,762	(4)	11,758	10,904	854
Other	20	21	—	2,643	2,684	—	2,684	2,837	(153)
<b>Total before eliminations</b>	<b>71,456</b>	<b>—</b>	<b>(513)</b>	<b>39,700</b>	<b>110,643</b>	<b>1,986</b>	<b>112,629</b>	<b>76,579</b>	<b>36,050</b>
Inter-segment eliminations	—	—	—	(997)	(997)	—	(997)	(997)	—
<b>Total</b>	<b>71,456</b>	<b>—</b>	<b>(513)</b>	<b>38,703</b>	<b>109,646</b>	<b>1,986</b>	<b>111,632</b>	<b>75,582</b>	<b>36,050</b>

Six months ended June 30, 2018	Net interest income		Provision for credit losses	Non-interest income	Revenue before gains and losses	Gains and losses	Total net revenue	Total expenses	Net income
	Customer	Inter- segment							
Bermuda	100,724	1,246	2,808	43,044	147,822	115	147,937	99,495	48,442
Cayman	48,937	1	(535)	23,179	71,582	349	71,931	29,896	42,035
Channel Islands and the UK	17,619	(1,247)	193	14,632	31,197	(1,688)	29,509	24,895	4,614
Other	11	—	—	6,647	6,658	—	6,658	7,840	(1,182)
<b>Total before eliminations</b>	<b>167,291</b>	<b>—</b>	<b>2,466</b>	<b>87,502</b>	<b>257,259</b>	<b>(1,224)</b>	<b>256,035</b>	<b>162,126</b>	<b>93,909</b>
Inter-segment eliminations	—	—	—	(5,802)	(5,802)	—	(5,802)	(5,802)	—
<b>Total</b>	<b>167,291</b>	<b>—</b>	<b>2,466</b>	<b>81,700</b>	<b>251,457</b>	<b>(1,224)</b>	<b>250,233</b>	<b>156,324</b>	<b>93,909</b>

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Six months ended June 30, 2017	Net interest income		Provision for credit losses	Non-interest income	Revenue before gains and losses	Gains and losses	Total net revenue	Total expenses	Net income
	Customer	Inter- segment							
Bermuda	86,523	548	(335)	39,676	126,412	2,279	128,691	92,179	36,512
Cayman	42,452	(11)	145	22,381	64,967	18	64,985	30,207	34,778
Channel Islands and the UK	10,379	(569)	16	12,222	22,048	(88)	21,960	21,324	636
Other	35	32	—	5,124	5,191	—	5,191	5,210	(19)
<b>Total before eliminations</b>	<b>139,389</b>	<b>—</b>	<b>(174)</b>	<b>79,403</b>	<b>218,618</b>	<b>2,209</b>	<b>220,827</b>	<b>148,920</b>	<b>71,907</b>
Inter-segment eliminations	—	—	—	(2,162)	(2,162)	—	(2,162)	(2,162)	—
<b>Total</b>	<b>139,389</b>	<b>—</b>	<b>(174)</b>	<b>77,241</b>	<b>216,456</b>	<b>2,209</b>	<b>218,665</b>	<b>146,758</b>	<b>71,907</b>

**Note 13: Derivative instruments and risk management**

The Bank uses derivatives for risk management purposes and to meet the needs of its customers. The Bank's derivative contracts principally involve over-the-counter ("OTC") transactions that are negotiated privately between the Bank and the counterparty to the contract and include interest rate contracts and foreign exchange contracts.

The Bank may pursue opportunities to reduce its exposure to credit losses on derivatives by entering into International Swaps and Derivatives Association master agreements ("ISDAs"). Depending on the nature of the derivative transaction, bilateral collateral arrangements may be used as well. When the Bank is engaged in more than one outstanding derivative transaction with the same counterparty, and also has a legally enforceable master netting agreement with that counterparty, the net marked to market exposure represents the netting of the positive and negative exposures with that counterparty. When there is a net negative exposure, the Bank regards its credit exposure to the counterparty as being zero. The net marked to market position with a particular counterparty represents a reasonable measure of credit risk when there is a legally enforceable master netting agreement between the Bank and that counterparty.

Certain of these agreements contain credit risk-related contingent features in which the counterparty has the option to accelerate cash settlement of the Bank's net derivative liabilities with the counterparty in the event the Bank's credit rating falls below specified levels or the liabilities reach certain levels.

All derivative financial instruments, whether designated as hedges or not, are recorded on the consolidated balance sheets at fair value within other assets or other liabilities. These amounts include the effect of netting. The accounting for changes in the fair value of a derivative in the consolidated statements of operations depends on whether the contract has been designated as a hedge and qualifies for hedge accounting.

**Notional Amounts**

The notional amounts are not recorded as assets or liabilities on the consolidated balance sheets as they represent the face amount of the contract to which a rate or price is applied to determine the amount of cash flows to be exchanged. Notional amounts represent the volume of outstanding transactions and do not represent the potential gain or loss associated with market risk or credit risk of such instruments. Credit risk is limited to the positive fair value of the derivative instrument, which is significantly less than the notional amount.

**Fair Value**

Derivative instruments, in the absence of any compensating up-front cash payments, generally have no market value at inception. They obtain value, positive or negative, as relevant interest rates, exchange rates, equity or commodity prices or indices change. The potential for derivatives to increase or decrease in value as a result of the foregoing factors is generally referred to as market risk. Market risk is managed within clearly defined parameters as prescribed by senior management of the Bank. The fair value is defined as the profit or loss associated with replacing the derivative contracts at prevailing market prices.

**Risk Management Derivatives**

The Bank enters into interest derivative contracts as part of its overall interest rate risk management strategy to minimize significant unplanned fluctuations in earnings that are caused by interest rate volatility. The Bank's goal is to manage interest rate sensitivity by modifying the repricing or maturity characteristics of certain consolidated balance sheet assets and liabilities so that movements in interest rates do not adversely affect the net interest margin. Derivative instruments that are used as part of the Bank's risk management strategy include interest rate swap contracts that have indices related to the pricing of specific consolidated balance sheet assets and liabilities. Interest rate swaps generally involve the exchange of fixed and variable-rate interest payments between two parties, based on a common notional principal amount and maturity date. The Bank uses foreign currency derivative instruments to hedge its exposure to foreign currency risk. Certain hedging relationships are formally designated and qualify for hedge accounting as fair value or net investment hedges. Risk management derivatives comprise fair value hedges, net investment hedges and derivatives not formally designated as hedges as described below.

**Fair value hedges** consist of designated interest rate swaps and are used to minimize the Bank's exposure to changes in the fair value of assets and liabilities due to movements in interest rates. The Bank previously entered into interest rate swaps to convert its fixed-rate long-term loans to floating-rate loans, and convert fixed-rate deposits to floating-rate deposits. During the year ended December 31, 2011, the Bank canceled its interest rate swaps designated as fair value hedges of loans receivable and therefore discontinued hedge accounting for these financial instruments. The fair value attributable to the hedged loans are accounted for prospectively and are being amortized to net income over the remaining life of each individual loan, which could extend to year 2029, using the effective interest method.

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**Net investment hedges** includes designated currency swaps and qualifying non-derivative instruments and are used to minimize the Bank's exposure to variability in the foreign currency translation of net investments in foreign operations. The effective portion of changes in the fair value of the hedging instrument is recognized in AOCL consistent with the related translation gains and losses of the hedged net investment. For net investment hedges, all critical terms of the hedged item and the hedging instrument are matched at inception and on an ongoing basis to minimize the risk of hedge ineffectiveness.

For derivatives designated as net investment hedges, the Bank follows the method based on changes in spot exchange rates. Accordingly:

- The change in the fair value of the derivative instrument that is reported in AOCL (i.e., the effective portion) is determined by the changes in spot exchange rates.
- The change in the fair value of the derivative instrument attributable to changes in the difference between the forward rate and spot rate are excluded from the measure of the hedge ineffectiveness and that difference is reported directly in the consolidated statements of operations under foreign exchange revenue.

Amounts recorded in AOCL are reclassified to earnings only upon the sale or substantial liquidation of an investment in a foreign subsidiary.

For foreign-currency-denominated debt instruments that are designated as hedges of net investments in foreign operations, the translation gain or loss that is recorded in AOCL is based on the spot exchange rate between the reporting currency of the Bank and the functional currency of the respective subsidiary. See Note 20: Accumulated other comprehensive loss for details on the amount recognized into AOCL during the current period from translation gain or loss.

**Derivatives not formally designated as hedges** are entered into to manage the interest rate risk of fixed rate deposits and foreign exchange risk of the Bank's exposure. Changes in the fair value of derivative instruments not formally designated as hedges are recognized in foreign exchange income.

**Client service derivatives**

The Bank enters into foreign exchange contracts and interest rate caps primarily to meet the foreign exchange needs of its customers. Foreign exchange contracts are agreements to exchange specific amounts of currencies at a future date at a specified rate of exchange. Changes in the fair value of client services derivative instruments are recognized in foreign exchange income.

The following table shows the aggregate notional amounts of derivative contracts outstanding listed by type and respective gross positive or negative fair values and classified by those used for risk management (sub-classified as hedging and those that do not qualify for hedge accounting), client services and credit derivatives. Fair value of derivatives is recorded in the consolidated balance sheets in other assets and other liabilities. Gross positive fair values are recorded in other assets and gross negative fair values are recorded in other liabilities, subject to netting when master netting agreements are in place.

June 30, 2018	Derivative instrument	Number of contracts	Notional amounts	Gross positive fair value	Gross negative fair value	Net fair value
<b>Risk management derivatives</b>						
Derivatives not formally designated as hedging instruments	Currency swaps	9	436,965	16,283	(1,114)	15,169
<b>Client services derivatives</b>	Spot and forward foreign exchange	275	2,306,834	13,116	(12,858)	258
<b>Total derivative instruments</b>			<b>2,743,799</b>	<b>29,399</b>	<b>(13,972)</b>	<b>15,427</b>
<hr/>						
December 31, 2017	Derivative instrument	Number of contracts	Notional amounts	Gross positive fair value	Gross negative fair value	Net fair value
<b>Risk management derivatives</b>						
Derivatives not formally designated as hedging instruments	Currency swaps	8	183,719	726	(2,754)	(2,028)
<b>Client services derivatives</b>	Spot and forward foreign exchange	120	2,130,224	10,595	(9,911)	684
<b>Total derivative instruments</b>			<b>2,313,943</b>	<b>11,321</b>	<b>(12,665)</b>	<b>(1,344)</b>

In addition to the above, as at June 30, 2018 foreign denominated deposits of £124.5 million (December 31, 2017: £84.5 million) and CHF 0.4 million (December 31, 2017: CHF 0.4 million) were designated as a hedge of foreign exchange risk associated with the net investment in foreign operations.

We manage derivative exposure by monitoring the credit risk associated with each counterparty using counterparty specific credit risk limits, using master netting arrangements where appropriate and obtaining collateral. The Bank elected to offset in the consolidated balance sheets certain gross derivative assets and liabilities subject to netting agreements.

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The Bank also elected not to offset certain derivative assets or liabilities and all collaterals received or paid that the Bank or the counterparties could legally offset in the event of default. In the tables below, these positions are deducted from the net fair value presented in the consolidated balance sheets in order to present the net exposures. The collateral values presented in the following table are limited to the related net derivative asset or liability balance and, accordingly, do not include excess collateral received or paid.

June 30, 2018	Gross fair value recognized	Less: offset applied under master netting agreements	Net fair value presented in the consolidated balance sheets	Less: positions not offset in the consolidated balance sheets		Net exposures
				Gross fair value of derivatives	Cash collateral received / paid	
<b>Derivative assets</b>						
Spot and forward foreign exchange and currency swaps	29,399	(3,549)	25,850	—	(10,471)	15,379
<b>Derivative liabilities</b>						
Spot and forward foreign exchange and currency swaps	13,972	(3,549)	10,423	—	245	10,668
<b>Net positive fair value</b>			<b>15,427</b>			

December 31, 2017	Gross fair value recognized	Less: offset applied under master netting agreements	Net fair value presented in the consolidated balance sheets	Less: positions not offset in the consolidated balance sheets		Net exposures
				Gross fair value of derivatives	Cash collateral received / paid	
<b>Derivative assets</b>						
Spot and forward foreign exchange and currency swaps	11,321	(2,197)	9,124	—	(6,196)	2,928
<b>Derivative liabilities</b>						
Spot and forward foreign exchange and currency swaps	12,665	(2,197)	10,468	—	—	10,468
<b>Net negative fair value</b>			<b>(1,344)</b>			

The following tables show the location and amount of gains (losses) recorded in either the consolidated statements of operations or consolidated statements of comprehensive income on derivative instruments outstanding.

Derivative instrument	Consolidated statements of operations line item	Three months ended		Six months ended	
		June 30, 2018	June 30, 2017	June 30, 2018	June 30, 2017
Spot and forward foreign exchange	Foreign exchange revenue	(853)	484	(425)	526
Currency swaps, not designated as hedge	Foreign exchange revenue	15,092	(10,014)	17,196	(17,627)
Currency swaps - net investment hedge	Foreign exchange revenue	—	706	—	1,182
Total net gains (losses) recognized in net income		14,239	(8,824)	16,771	(15,919)

  

Derivative instrument	Consolidated statements of comprehensive income line item	Three months ended		Six months ended	
		June 30, 2018	June 30, 2017	June 30, 2018	June 30, 2017
Currency swaps - net investment hedge	Net change in unrealized gains and (losses) on translation of net investment in foreign operations	—	(2,993)	—	(4,410)
Total net gains (losses) recognized in comprehensive income		—	(2,993)	—	(4,410)

**Note 14: Fair value measurements**

The following table presents the financial assets and liabilities that are measured at fair value on a recurring basis. Management classifies these items based on the type of inputs used in their respective fair value determination as described in Note 2 of the Bank's audited financial statements for the year ended December 31, 2017.

Management reviews the price of each security monthly, comparing market values to expectations and to the prior month's price. Management's expectations are based upon knowledge of prevailing market conditions and developments relating to specific issuers and/or asset classes held in the investment portfolio. Where there are unusual or significant price movements, or where a certain asset class has performed out-of-line with expectations, the matter is reviewed by management.

Financial instruments in Level 1 include actively traded redeemable mutual funds.

Financial instruments in Level 2 include corporate bonds, mortgage-backed securities and other asset-backed securities, forward foreign exchange contracts and mutual funds not actively traded.

Financial instruments in Level 3 include asset-backed securities for which the market is relatively illiquid and for which information about actual trading prices is not readily available.

There were no transfers between Level 1 and Level 2 or Level 2 and Level 3 during the six months ended June 30, 2018 and the year ended December 31, 2017.

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	June 30, 2018			Total carrying amount / fair value	December 31, 2017			Total carrying amount / fair value
	Fair value				Fair value			
	Level 1	Level 2	Level 3		Level 1	Level 2	Level 3	
<b>Items that are recognized at fair value on a recurring basis:</b>								
<b>Financial assets</b>								
<b>Trading investments</b>								
Mutual funds	6,564	222	—	6,786	6,616	208	—	6,824
<b>Total trading</b>	<b>6,564</b>	<b>222</b>	<b>—</b>	<b>6,786</b>	<b>6,616</b>	<b>208</b>	<b>—</b>	<b>6,824</b>
<b>Available-for-sale investments</b>								
US government and federal agencies	—	2,424,534	—	2,424,534	—	2,709,104	—	2,709,104
Non-US governments debt securities	—	25,475	—	25,475	—	26,248	—	26,248
Corporate debt securities	—	93,471	—	93,471	—	243,372	—	243,372
Asset-backed securities - Student loans	—	—	12,626	12,626	—	—	12,493	12,493
Commercial mortgage-backed securities	—	138,015	—	138,015	—	141,500	—	141,500
Residential mortgage-backed securities	—	167,758	—	167,758	—	184,723	—	184,723
<b>Total available-for-sale</b>	<b>—</b>	<b>2,849,253</b>	<b>12,626</b>	<b>2,861,879</b>	<b>—</b>	<b>3,304,947</b>	<b>12,493</b>	<b>3,317,440</b>
Other assets - Derivatives	—	25,850	—	25,850	—	9,124	—	9,124
<b>Financial liabilities</b>								
Other liabilities - Derivatives	—	10,423	—	10,423	—	10,468	—	10,468

**Level 3 Reconciliation**

The Level 3, shown as Asset-backed securities - Student loans in the above table, is a federal family education loan program guaranteed student loan security and is valued using a non-binding broker quote. The fair value provided by the broker is based on the last trading price of similar securities but as the market for the security is illiquid, a Level 2 classification is not supported.

Significant increases (decreases) in any of the preceding inputs in isolation could result in a significantly different fair value measurement. Generally a change in assumption used for the probability of defaults is accompanied by a directionally similar change in the assumption used for the loss severity.

	Six months ended June 30, 2018	Year ended December 31, 2017
	<b>Available- for-sale investments</b>	Available- for-sale investments
Carrying amount at beginning of period	12,493	12,493
Realized and unrealized gains (losses) recognized in other comprehensive income	133	—
<b>Carrying amount at end of period</b>	<b>12,626</b>	12,493

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**Items Other Than Those Recognized at Fair Value on a Recurring Basis:**

	Level	June 30, 2018			December 31, 2017		
		Carrying amount	Fair value	Appreciation / (depreciation)	Carrying amount	Fair value	Appreciation / (depreciation)
<b>Financial assets</b>							
Cash due from banks	Level 1	1,755,905	1,755,905	—	1,535,138	1,535,138	—
Securities purchased under agreement to resell	Level 2	88,790	88,790	—	178,769	178,769	—
Short-term investments	Level 1	78,580	78,580	—	249,984	249,984	—
Investments held-to-maturity	Level 2	1,858,058	1,815,242	(42,816)	1,381,955	1,377,354	(4,601)
Loans, net of allowance for credit losses	Level 2	3,985,718	3,983,455	(2,263)	3,776,862	3,770,450	(6,412)
Other real estate owned <sup>1</sup>	Level 2	4,962	4,962	—	9,127	9,127	—
<b>Financial liabilities</b>							
Customer deposits							
Demand deposits	Level 2	8,056,512	8,056,512	—	7,813,654	7,813,654	—
Term deposits	Level 2	1,636,980	1,637,221	(241)	1,710,338	1,710,223	115
Deposits from banks	Level 2	24,385	24,385	—	12,466	12,466	—
Long-term debt	Level 2	143,233	143,547	(314)	117,000	118,321	(1,321)

<sup>1</sup> The current carrying value of OREO is adjusted to fair value only when there is devaluation below carrying value.

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**Note 15: Interest rate risk**

The following tables set out the assets, liabilities and shareholders' equity and off-balance sheet instruments on the date of the earlier of contractual maturity, expected maturity or repricing date. Use of these tables to derive information about the Bank's interest rate risk position is limited by the fact that customers may choose to terminate their financial instruments at a date earlier than the contractual maturity or repricing date. Examples of this include fixed-rate mortgages, which are shown at contractual maturity but which may pre-pay earlier, and certain term deposits, which are shown at contractual maturity but which may be withdrawn before their contractual maturity subject to prepayment penalties. Investments are shown based on remaining contractual maturities. The remaining contractual principal maturities for mortgage-backed securities (primarily US government agencies) do not consider prepayments. Remaining expected maturities will differ from contractual maturities because borrowers may have the right to prepay obligations before the underlying mortgages mature.

June 30, 2018	Earlier of contractual maturity or repricing date							
(in \$ millions)	Within 3 months	3 to 6 months	6 to 12 months	1 to 5 years	After 5 years	Non-interest bearing funds	Total	
<b>Assets</b>								
Cash due from banks	1,670	—	—	—	—	86	1,756	
Securities purchased under agreement to resell	89	—	—	—	—	—	89	
Short-term investments	12	32	29	—	—	6	79	
Investments	1,042	15	38	248	3,377	7	4,727	
Loans	3,503	76	104	225	73	5	3,986	
Other assets	—	—	—	—	—	365	365	
<b>Total assets</b>	<b>6,316</b>	<b>123</b>	<b>171</b>	<b>473</b>	<b>3,450</b>	<b>469</b>	<b>11,002</b>	
<b>Liabilities and shareholders' equity</b>								
Shareholders' equity	—	—	—	—	—	849	849	
Demand deposits	5,918	—	—	—	—	2,156	8,074	
Term deposits	1,049	123	412	60	—	—	1,644	
Other liabilities	—	—	—	—	—	292	292	
Long-term debt	70	—	—	73	—	—	143	
<b>Total liabilities and shareholders' equity</b>	<b>7,037</b>	<b>123</b>	<b>412</b>	<b>133</b>	<b>—</b>	<b>3,297</b>	<b>11,002</b>	
Interest rate sensitivity gap	(721)	—	(241)	340	3,450	(2,828)	—	
Cumulative interest rate sensitivity gap	(721)	(721)	(962)	(622)	2,828	—	—	

December 31, 2017	Earlier of contractual maturity or repricing date							
(in \$ millions)	Within 3 months	3 to 6 months	6 to 12 months	1 to 5 years	After 5 years	Non-interest bearing funds	Total	
<b>Assets</b>								
Cash due from banks	1,446	—	—	—	—	89	1,535	
Securities purchased under agreement to resell	179	—	—	—	—	—	179	
Short-term investments	163	87	—	—	—	—	250	
Investments	1,464	62	15	390	2,768	7	4,706	
Loans	3,457	44	34	194	44	4	3,777	
Other assets	—	—	—	—	—	332	332	
<b>Total assets</b>	<b>6,709</b>	<b>193</b>	<b>49</b>	<b>584</b>	<b>2,812</b>	<b>432</b>	<b>10,779</b>	
<b>Liabilities and shareholders' equity</b>								
Shareholders' equity	—	—	—	—	—	823	823	
Demand deposits	5,342	—	—	—	—	2,480	7,822	
Term deposits	1,340	132	183	59	—	—	1,714	
Other liabilities	—	—	—	—	—	303	303	
Long-term debt	92	25	—	—	—	—	117	
<b>Total liabilities and shareholders' equity</b>	<b>6,774</b>	<b>157</b>	<b>183</b>	<b>59</b>	<b>—</b>	<b>3,606</b>	<b>10,779</b>	
Interest rate sensitivity gap	(65)	36	(134)	525	2,812	(3,174)	—	
Cumulative interest rate sensitivity gap	(65)	(29)	(163)	362	3,174	—	—	

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**Note 16: Long-term debt**

On May 28, 2003, the Bank issued US \$125 million of Subordinated Lower Tier II capital notes. The notes were issued at par and in two tranches, namely US \$78 million in Series A notes due 2013 and US \$47 million in Series B notes due 2018. The issuance was by way of private placement with US institutional investors. The notes are listed on the Bermuda Stock Exchange ("BSX") in the specialist debt securities category. Part of the proceeds of the issue were used to repay the entire amount of the US \$75 million outstanding subordinated notes redeemed in July 2003. The notes issued under Series A paid a fixed coupon of 3.94% until May 27, 2008 when it was redeemed in whole by the Bank. The Series B notes paid a fixed coupon of 5.15% until May 27, 2013 when they became redeemable in whole at the Bank's option. The Series B notes were priced at a spread of 1.35% over the 10-year US Treasury yield. In May 2018, the Bank fully redeemed the 2003 issuance Series B for its nominal value of \$47 million.

On June 27, 2005, the Bank issued US \$150 million of Subordinated Lower Tier II capital notes. The notes were issued at par in two tranches, namely US \$90 million in Series A notes due 2015 and US \$60 million in Series B notes due 2020. The issuance was by way of private placement with US institutional investors. The notes are listed on the BSX in the specialist debt securities category. The notes issued under Series A paid a fixed coupon of 4.81% until July 2, 2010 after which the coupon rate became floating and the principal became redeemable in whole at the Bank's option. The Series B notes paid a fixed coupon of 5.11% until July 2, 2015 when they also became redeemable in whole at the Bank's option. The Series A notes were priced at a spread of 1.00% over the five-year US Treasury yield and the Series B notes were priced at a spread of 1.10% over the 10-year US Treasury yield. During September 2011, the Bank repurchased a portion of the outstanding 5.11% 2005 Series B Subordinated notes ("the Note"). The face value of the portion of the Note repurchased was \$15 million and the purchase price paid for the repurchase was \$13.875 million, which realized a gain of \$1.125 million. During January 2014, the Bank fully redeemed the 2005 issuance Series A subordinated debt for its nominal value of \$90 million.

On May 27, 2008, the Bank issued US \$78 million of Subordinated Lower Tier II capital notes. The notes were issued at par and in two tranches, namely US \$53 million in Series A notes due 2018 and US \$25 million in Series B notes due 2023. The issuance was by way of private placement with US institutional investors. The notes are listed on the BSX in the specialist debt securities category. The proceeds of the issue were used to repay the entire amount of the US \$78 million outstanding subordinated notes redeemed in May 2008. The notes issued under Series A paid a fixed coupon of 7.59% until May 27, 2013 when they became redeemable in whole at the option of the Bank. In May 2013, the Bank exercised its option to redeem the Series A note outstanding at face value. The Series B notes pay a fixed coupon of 8.44% until May 27, 2018 when they become redeemable in whole at the Bank's option. The Series B notes were priced at a spread of 4.51% over the 10-year US Treasury yield.

On May 24, 2018, the Bank issued US \$75 million of Subordinated Lower Tier II capital notes. The notes were issued at par and due on June 1, 2028. The issuance was by way of a registered offering with US institutional investors. The notes are listed on the Bermuda Stock Exchange (BSX) in the specialist debt securities category. The proceeds of the issue were used, among other, to repay the entire amount of the US \$47 million outstanding subordinated notes series 2003-B. The notes issued pay a fixed coupon of 5.25% until June 1, 2023 when they become redeemable in whole at the option of the Bank. The notes were priced at a spread of 2.27% over the 10-year US Treasury yield. The Bank incurred \$1.8 million of costs directly related to the issuance of these capital notes. These costs have been capitalized directly against the carrying value of these notes on the balance sheet, and will be amortized over the life of the notes.

No interest was capitalized during the six months ended June 30, 2018 and the year ended December 31, 2017.

In the event the Bank would be in a position to redeem long-term debt, priority would go to the redemption of the higher interest-bearing Series, subject to availability relative to the earliest date the Series is redeemable at the Bank's option.

The following table presents the contractual maturity and interest payments for long-term debt issued by the Bank as at June 30, 2018. The interest payments are calculated until contractual maturity using the current LIBOR rates.

Long-term debt	Earliest date redeemable at the Bank's option	Contractual maturity date	Interest rate until date redeemable	Interest rate from earliest date redeemable to contractual maturity	Principal outstanding	Interest payments until contractual maturity		
						Within 1 year	1 to 5 years	After 5 years
<b>Bermuda</b>								
2005 issuance - Series B	July 2, 2015	July 2, 2020	5.11%	3 months US\$ LIBOR + 1.695%	45,000	1,839	2,303	—
2008 issuance - Series B	May 27, 2018	May 27, 2023	8.44%	3 months US\$ LIBOR + 4.929%	25,000	1,841	7,371	—
2018 issuance	June 1, 2023	June 1, 2028	5.25%	3 months US\$ LIBOR + 2.255%	75,000	3,938	15,750	17,474
<b>Total</b>					<b>145,000</b>	<b>7,618</b>	<b>25,424</b>	<b>17,474</b>
Unamortized debt issuance costs					(1,767)			
<b>Long-term debt less unamortized debt issuance costs</b>					<b>143,233</b>			



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**Note 17: Earnings per share**

Earnings per share have been calculated using the weighted average number of common shares outstanding during the period after deduction of the shares held as treasury stock. The dilutive effect of share-based compensation plans was calculated using the treasury stock method, whereby the proceeds received from the exercise of share-based awards are assumed to be used to repurchase outstanding shares, using the average market price of the Bank's shares for the year. Numbers of shares are expressed in thousands.

During the six months ended June 30, 2018, options to purchase an average of 0.4 million (June 30, 2017: 1.3 million) common shares were outstanding. During the six months ended June 30, 2018, the average number of outstanding awards of unvested common shares was 1.0 million (June 30, 2017: 0.9 million). Only awards for which the sum of 1) the expense that will be recognized in the future (i.e. the unrecognized expense) and 2) its exercise price, if any, was lower than the average market price of the Bank's common shares were considered dilutive and, therefore, included in the computation of diluted earnings per share. An award's unrecognized expense is also considered to be the proceeds the employees would need to pay to purchase accelerated vesting of the awards. For purposes of calculating dilution, such proceeds are assumed to be used by the Bank to buy back common shares at the average market price. The weighted-average number of outstanding awards, net of the assumed weighted-average number of common shares bought back, is included in the number of diluted participating shares.

	Three months ended		Six months ended	
	June 30, 2018	June 30, 2017	June 30, 2018	June 30, 2017
Net income	49,712	36,050	93,909	71,907
<b>Basic Earnings Per Share</b>				
Weighted average number of common shares issued	55,159	54,418	55,023	53,990
Weighted average number of common shares held as treasury stock	—	—	—	(1)
<b>Weighted average number of common shares (in thousands)</b>	<b>55,159</b>	<b>54,418</b>	<b>55,023</b>	<b>53,989</b>
<b>Basic Earnings Per Share</b>	<b>0.90</b>	0.66	<b>1.71</b>	1.33
<b>Diluted Earnings Per Share</b>				
Weighted average number of common shares	55,159	54,418	55,023	53,989
Net dilution impact related to options to purchase common shares	238	497	278	753
Net dilution impact related to awards of unvested common shares	507	665	563	628
<b>Weighted average number of diluted common shares (in thousands)</b>	<b>55,904</b>	<b>55,580</b>	<b>55,864</b>	<b>55,370</b>
<b>Diluted Earnings Per Share</b>	<b>0.89</b>	0.65	<b>1.68</b>	1.30

**Note 18: Share-based payments**

The common shares transferred to employees under all share-based payments are either taken from the Bank's common treasury shares or from newly issued shares. All share-based payments are settled by the ultimate parent company, which pursuant to Bermuda law is not taxed on income. There are no income tax benefits in relation to the issue of such shares as a form of compensation.

In conjunction with the 2010 capital raise, the Board of Directors approved the 2010 Omnibus Plan (the "2010 Plan"). Under the 2010 Plan, 5% of the Bank's fully diluted common shares, equal to approximately 2.95 million shares, were initially available for grant to certain officers in the form of stock options or unvested shares awards. Both types of awards are detailed below. In 2012 and 2016, the Board of Directors approved an increase to the equivalent number of shares allowed to be granted under the 2010 Plan to respectively 5.0 million and 7.5 million shares.

**Stock Option Awards**

**1997 Stock Option Plan**

Prior to the capital raise on March 2, 2010, the Bank granted stock options to employees and Directors of the Bank that entitle the holder to purchase one common share at a subscription price equal to the market price on the effective date of the grant. Generally, the options granted vest 25 percent at the end of each year for four years, however as a result of the 2010 capital raise, the options granted under the Bank's 1997 Stock Option Plan to employees became fully vested and options awarded to certain executives were surrendered.

**2010 Plan**

Under the 2010 Plan, options are awarded to Bank employees and executive management, based on predetermined vesting conditions that entitle the holder to purchase one common share at a subscription price usually equal to the price of the most recently traded common share when granted and have a term of 10 years. The subscription price is reduced for all special dividends declared by the Bank. Stock option awards granted under the 2010 Plan vest based on two specific types of vesting conditions i.e., time and performance conditions, as detailed below:

**Time vesting condition**

50% of each option award was granted in the form of time vested options and vested 25% on each of the second, third, fourth and fifth anniversaries of the effective grant date.

In addition to the time vesting conditions noted above, the options will generally vest immediately:

- by reason of the employee's death or disability,
- upon termination, by the Bank, of the holder's employment, unless if in relation with the holder's misconduct, or
- in limited circumstances and specifically approved by the Board, as stipulated in the holder's employment contract.

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In the event of the employee's resignation, any unvested portion of the awards shall generally be forfeited and any vested portion of the options shall generally remain exercisable during the 90-day period following the termination date or, if earlier, until the expiration date, and any vested portion of the options not exercised as of the expiration of such period shall be forfeited without any consideration therefore.

**Performance vesting condition**

50% of each option award was granted in the form of performance options and would vest (partially or fully) on a "valuation event" date (the date that any of the March 2, 2010 new investors transfers at least 5% of the total number of common shares or the date that there is a change in control and any of the new investors realize a predetermined multiple of invested capital ("MOIC")). On September 21, 2016, it was determined that a valuation event occurred during which a new investor realized a MOIC of more than 200% of the original invested capital of \$12.09 per share and accordingly, all outstanding unvested performance options vested.

**Changes in Outstanding Stock Options**

Six months ended June 30, 2018	Number of shares transferable upon exercise (thousands)			Weighted average exercise price (\$)		Weighted average remaining life (years)		Aggregate intrinsic value (\$ thousands)
	1997 Stock Option Plan	2010 Stock Option Plan	Total	1997 Stock Option Plan	2010 Stock Option Plan	1997 Stock Option Plan	2010 Stock Option Plan	
Outstanding at beginning of period	58	476	534	113.46	11.73			
Exercised	—	(167)	(167)	—	11.60			4,671
Forfeitures and cancellations	(33)	—	(33)	150.95	—			
<b>Outstanding at end of period</b>	<b>25</b>	<b>309</b>	<b>334</b>	<b>64.51</b>	<b>11.79</b>	<b>0.70</b>	<b>2.04</b>	<b>10,480</b>
<b>Vested and exercisable at end of period</b>	<b>25</b>	<b>309</b>	<b>334</b>	<b>64.51</b>	<b>11.79</b>	<b>0.70</b>	<b>2.04</b>	

Six months ended June 30, 2017	Number of shares transferable upon exercise (thousands)			Weighted average exercise price (\$)		Weighted average remaining life (years)		Aggregate intrinsic value (\$ thousands)
	1997 Stock Option Plan	2010 Stock Option Plan	Total	1997 Stock Option Plan	2010 Stock Option Plan	1997 Stock Option Plan	2010 Stock Option Plan	
Outstanding at beginning of period	116	1,950	2,066	132.13	11.57			
Exercised	—	(1,412)	(1,412)	—	11.52			30,845
Forfeitures and cancellations	(46)	—	(46)	161.76	—			
<b>Outstanding at end of period</b>	<b>70</b>	<b>538</b>	<b>608</b>	<b>113.26</b>	<b>11.70</b>	<b>1.14</b>	<b>2.98</b>	<b>12,070</b>
<b>Vested and exercisable at end of period</b>	<b>70</b>	<b>538</b>	<b>608</b>	<b>113.26</b>	<b>11.70</b>	<b>1.14</b>	<b>2.98</b>	

**Share Based Plans**

Recipients of unvested share awards are entitled to the related common shares at no cost, at the time the award vests. Recipients of unvested shares may be entitled to receive additional unvested shares having a value equal to the cash dividends that would have been paid had the unvested shares been issued and vested. Such additional unvested shares granted as dividend equivalents are subject to the same vesting schedule and conditions as the underlying unvested shares.

Unvested shares subject only to the time vesting condition generally vest upon retirement, death, disability or upon termination, by the Bank, of the holder's employment unless in connection with the holder's misconduct. Unvested shares subject to both time vesting and performance vesting conditions remain outstanding and unvested upon retirement and will vest only if the performance conditions are met. Unvested shares can also vest in limited circumstances and if specifically approved by the Board, as stipulated in the holder's employment contract. In all other circumstances, unvested shares are generally forfeited when employment ends.

The grant date weighted average fair value of unvested share awards granted in the six months ended June 30, 2018 was \$39.25 (year 2017: \$31.13). The Bank expects to settle these awards by issuing new shares.

**Employee Deferred Incentive Plan ("EDIP")**

Under the Bank's EDIP Plan, shares were awarded to Bank employees and executive management based on the time vesting condition, which states that the shares will vest equally over a three-year period from the effective grant date.

**Executive Long-Term Incentive Share Plan ("ELTIP") - Years 2012 and 2011**

Under the Bank's 2012 and 2011 ELTIP, shares were awarded to Bank employees and executive management, based on predetermined vesting conditions. Two types of vesting conditions upon which the shares were awarded comprise the ELTIP: 1) 50% of each share award was granted in the form of time vested shares, generally vesting equally over a three-year period from the effective grant date; and 2) 50% of each share award was granted in the form of performance shares, generally vesting upon the achievement of certain performance targets in the three-year period from the effective grant date.

**Executive Long-Term Incentive Share Plan ("ELTIP") - Years 2015 - 2018**

The 2018 ELTIP was approved on February 13, 2018. Under the Bank's ELTIP plans for the years 2015 through 2018, performance shares as well as time-vested shares were awarded to executive management. The performance shares will generally vest upon the achievement of certain performance targets in the three-year period from the effective grant date. The time-vested shares will generally vest over the three-year period from the effective grant date.

**Changes in Outstanding ELTIP and EDIP awards (in thousands of shares transferable upon vesting)**

	Six months ended			
	June 30, 2018		June 30, 2017	
	EDIP	ELTIP	EDIP	ELTIP
Outstanding at beginning of period	244	679	215	640
Granted	125	230	128	223
Vested (fair value in 2018: \$13.0 million, 2017: \$8.5 million)	(120)	(169)	(102)	(148)
Resignations, retirements, redundancies	(2)	(3)	—	—
<b>Outstanding at end of period</b>	<b>247</b>	<b>737</b>	241	715

**Share-based Compensation Cost Recognized in Net Income**

	Six months ended					
	June 30, 2018			June 30, 2017		
	Stock option plans	EDIP and ELTIP	Total	Stock option plans	EDIP and ELTIP	Total
Cost recognized in net income	—	5,276	5,276	—	3,483	3,483

**Unrecognized Share-based Compensation Cost**

	June 30, 2018		December 31, 2017	
	Unrecognized cost	Weighted average years over which it is expected to be recognized	Unrecognized cost	Weighted average years over which it is expected to be recognized
	<b>EDIP</b>	<b>6,450</b>	2.13	3,453
<b>ELTIP</b>				
Time vesting shares	2,669	1.49	3,302	1.89
Performance vesting shares	10,867	2.23	5,010	1.78
<b>Total unrecognized expense</b>	<b>19,986</b>		11,765	

**Note 19: Share buy-back plans**

The Bank initially introduced two share buy-back programs on May 1, 2012 as a means to improve shareholder liquidity and facilitate growth in share value. Each program was approved by the Board of Directors for a period of 12 months, in accordance with the regulations of the BSX. The BSX must be advised monthly of shares purchased pursuant to each program.

From time to time the Bank's associates, insiders and insiders' associates as defined by the BSX regulations may sell shares which may result in such shares being repurchased pursuant to each program, provided no more than any such person's pro-rata share of the listed securities is repurchased. Pursuant to the BSX regulations, all repurchases made by any issuer pursuant to a securities repurchase program must be made: (1) in the open market and not by private agreement; and (2) for a price not higher than the last independent trade for a round lot of the relevant class of securities.

**Common Share Buy-Back Program**

On February 19, 2016, the Board approved, with effect from April 1, 2016, the 2016 common share buy-back program, authorizing the purchase for treasury of up to 0.8 million common shares.

On February 15, 2018, the Board approved, with effect on April 1, 2018, the 2018 common share buy-back program, authorizing the purchase for treasury of up to 1.0 million common shares. The timing and amount of repurchase transactions will be based on market conditions, share price, legal requirements and other factors. No assurances can be given as to the amount of common shares that may actually be repurchased.

	Six months ended		Year ended December 31			
	June 30, 2018	2017	2016	2015	2014	Total
<b>Common share buy-backs</b>						
Acquired number of shares (to the nearest 1)	—	—	97,053	250,371	856,734	1,204,158
Average cost per common share	—	—	16.36	19.42	19.86	19.49
<b>Total cost (in US dollars)</b>	<b>—</b>	<b>—</b>	1,588,189	4,862,248	17,018,412	23,468,849

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**Note 20: Accumulated other comprehensive loss**

June 30, 2018	Unrealized (losses) on translation of net investment in foreign operations	HTM investments	Unrealized gains (losses) on AFS investments	Employee benefit plans			Total AOCL
				Pension	Post-retirement healthcare	Subtotal - employee benefits plans	
<b>Balance at beginning of period</b>	(17,549)	(839)	(15,737)	(61,341)	(33,586)	(94,927)	(129,052)
Other comprehensive income (loss), net of taxes	(1,022)	24	(34,461)	(255)	1,327	1,072	(34,387)
<b>Balance at end of period</b>	<b>(18,571)</b>	<b>(815)</b>	<b>(50,198)</b>	<b>(61,596)</b>	<b>(32,259)</b>	<b>(93,855)</b>	<b>(163,439)</b>

June 30, 2017	Unrealized (losses) on translation of net investment in foreign operations	HTM investments	Unrealized gains (losses) on AFS investments	Employee benefit plans			Total AOCL
				Pension	Post-retirement healthcare	Subtotal - employee benefits plans	
<b>Balance at beginning of period</b>	(20,152)	(979)	(22,680)	(63,232)	(37,637)	(100,869)	(144,680)
Other comprehensive income (loss), net of taxes	1,145	88	11,349	384	1,377	1,761	14,343
<b>Balance at end of period</b>	<b>(19,007)</b>	<b>(891)</b>	<b>(11,331)</b>	<b>(62,848)</b>	<b>(36,260)</b>	<b>(99,108)</b>	<b>(130,337)</b>

**Net Change of AOCL Components**

Line item in the consolidated statements of operations, if any	Three months ended		Six months ended	
	June 30, 2018	June 30, 2017	June 30, 2018	June 30, 2017
<b>Net unrealized gains (losses) on translation of net investment in foreign operations adjustments</b>				
Foreign currency translation adjustments	N/A	(12,526)	4,884	(7,033)
Gains (loss) on net investment hedge	N/A	10,320	(4,097)	6,011
<b>Net change</b>		<b>(2,206)</b>	<b>787</b>	<b>(1,022)</b>
<b>Held-to-maturity investment adjustments</b>				
Amortization of net gains (losses) to net income	Interest income on investments	2	40	24
<b>Net change</b>		<b>2</b>	<b>40</b>	<b>88</b>
<b>Available-for-sale investment adjustments</b>				
Gross unrealized gains (losses)	N/A	(5,696)	8,207	(33,567)
Transfer of realized (gains) losses to net income	Net realized gains (losses) on AFS investments	(44)	(1,709)	(894)
<b>Net change</b>		<b>(5,740)</b>	<b>6,498</b>	<b>(34,461)</b>
<b>Employee benefit plans adjustments</b>				
<b>Defined benefit pension plan</b>				
Net actuarial gain (loss)	N/A	(3,236)	—	(3,236)
Net loss (gain) on settlement reclassified to net income	Net other gains (losses)	1,554	—	1,554
Amortization of net actuarial losses	Non-service employee benefits expense	525	548	1,051
Foreign currency translation adjustments of related balances	N/A	864	(493)	376
<b>Net change</b>		<b>(293)</b>	<b>55</b>	<b>(255)</b>
<b>Post-retirement healthcare plan</b>				
Amortization of net actuarial losses	Non-service employee benefits expense	653	878	1,307
Amortization of prior service credit	Non-service employee benefits expense	10	(190)	20
<b>Net change</b>		<b>663</b>	<b>688</b>	<b>1,327</b>
<b>Other comprehensive income (loss), net of</b>		<b>(7,574)</b>	<b>8,068</b>	<b>(34,387)</b>

**Note 21: Capital structure**

**Authorized Capital**

On September 16, 2016, the Bank began trading on the New York Stock Exchange under the ticker symbol "NTB". The offering of 12,234,042 common shares consisted of 5,957,447 newly issued common shares sold by Butterfield and 6,276,595 common shares sold by certain selling shareholders, including 1,595,744 common shares sold by certain of the selling shareholders pursuant to the underwriters' option to purchase additional shares, which was exercised in full prior to the closing.

On July 25, 2016, the Bank's board of directors approved a consolidation of the existing common shares on the basis of a 10 to 1 ratio, subject to shareholder approval. As a result of this consolidation, effective September 6, 2016 upon shareholder approval, every 10 common shares of par value BM\$0.01 were consolidated into 1 common share of par value BM\$0.10 (the "Share Consolidation").

In addition, as of September 6, 2016, the par value of each issued common share and each authorized but unissued common share was reduced from BM\$0.10 to BM\$0.01 and the authorized share capital of the Bank was correspondingly reduced from 2,000,000,000 common shares of par value BM\$0.10 each, 6,000,000,000 non-voting ordinary shares of par value BM\$0.01 each, 110,200,001 preference shares of par value US\$0.01 each and 50,000,000 preference shares of par value £0.01 each to 2,000,000,000 common shares of par value BM\$0.01 each, 6,000,000,000 non-voting ordinary shares of par value BM\$0.01 each, 110,200,001 preference shares of par value US\$0.01 each and 50,000,000 preference shares of par value £0.01 each, without any payment by the Bank to the holders of the voting ordinary shares in respect thereof (the "Reduction in Par Value" and together with the Share Consolidation, the "Reverse Share Split").

Immediately following the Reduction in Par Value, the Bank repurchased any and all fractions of common shares issued and outstanding from the holders thereof. All share, share-based payments and dividend information presented in these consolidated financial statements and accompanying footnotes has been retroactively adjusted to reflect the decreased number of shares resulting from this action.

Prior to the Reverse Share Split, the Bank's total authorized share capital consisted of (i) 20 billion common shares of par value BM\$0.01, (ii) 6 billion non-voting ordinary shares of par value BM\$0.01; (iii) 110,200,001 preference shares of par value US\$0.01 and (iv) 50 million preference shares of par value £0.01.

**Dividends Declared**

During the six months ended June 30, 2018, the Bank paid cash dividends of \$0.76 (June 30, 2017: \$0.64) for each common share as of the related record dates.

The Bank is required to comply with Section 54 of the Companies Act 1981 issued by the Government of Bermuda (the "Companies Act") each time a dividend is declared or paid by the Bank and also obtain prior written approval from the BMA pursuant to the Banks and Deposit Companies Act 1999 for any dividends declared. The Bank has complied with Section 54 and has obtained BMA approval for all dividends declared during the periods under review.

**Regulatory Capital**

Effective January 1, 2016, the Bank's regulatory capital is determined in accordance with current Basel III guidelines as issued by the Bermuda Monetary Authority ("BMA"). Basel III adopts Common Equity Tier 1 ("CET1") as the predominant form of regulatory capital with the CET1 ratio as a new metric. Basel III also adopts the new Leverage Ratio regime, which is calculated by dividing Tier 1 capital by an exposure measure. The Leverage Ratio Exposure Measure consists of total assets (excluding items deducted from Tier 1 capital) and certain off-balance sheet items converted into credit exposure equivalents as well as adjustments for derivatives to reflect credit risk and other risks. Prior to January 1, 2016, the Bank's regulatory capital was determined in accordance with Basel II guidelines as issued by the BMA.

The Bank is fully compliant with all regulatory capital requirements and maintains capital ratios in excess of regulatory minimums as at June 30, 2018 and December 31, 2017. The following table sets forth the Bank's capital adequacy in accordance with the Basel III framework:

	June 30, 2018		December 31, 2017	
	Actual	Regulatory minimum	Actual	Regulatory minimum
<b>Capital</b>				
CET 1 capital	812,927	N/A	772,311	N/A
Tier 1 capital	812,927	N/A	772,311	N/A
Tier 2 capital	136,206	N/A	74,010	N/A
Total capital	949,133	N/A	846,321	N/A
<b>Risk Weighted Assets</b>	4,256,353	N/A	4,254,178	N/A
<b>Leverage Ratio Exposure Measure</b>	11,329,386	N/A	11,195,173	N/A
<b>Capital Ratios (%)</b>				
CET 1 capital	19.1%	9.4%	18.2%	8.8%
Tier 1 capital	19.1%	10.9%	18.2%	10.3%
Total capital	22.3%	15.5%	19.9%	14.9%
Leverage ratio	7.2%	5.0%	6.9%	5.0%

**Note 22: Business combinations**

**Deutsche Bank's Global Trust Solutions Acquisition**

On March 29, 2018, the Bank concluded the acquisition of Deutsche Bank's Global Trust Solutions ("GTS") business, excluding its US operations, for net cash payments of \$24.7 million (composed of an initial cash payment of \$30.2 million followed by a refund of \$5.5 million on May 29, 2018). The refund was received based upon the movement in the number of clients in the GTS portfolio between the time the acquisition was agreed upon and the conclusion of the acquisition, together with an adjustment based upon the net asset values of the companies transferred. Butterfield has taken over the ongoing management and administration of the GTS portfolio, comprising approximately 1,000 trust structures for some 900 private clients. Butterfield is also offering positions to all employees who are fully dedicated to GTS in the Cayman Islands, Guernsey, Switzerland, Singapore and Mauritius. The acquisition was undertaken to enhance the Bank's market presence in the global trust service market.

The Bank incurred transaction expenses related to this acquisition in the amount of \$3.5 million, of which \$1.6 million were expensed during the six months ended June 30, 2018 (including \$0.8 million of legal and professional fees) and \$1.9 million were expensed during the year ended December 31, 2017 (including \$1.6 million of legal and professional fees).

For the three months ended June 30, 2018, the amount of revenues and net deficit relating to the acquired GTS operations that were not inextricably merged into the Bank's operations were \$1.9 million and \$1.0 million respectively.

The assets acquired consist mainly of: customer relationships intangible assets, goodwill and accounts receivable. The liabilities assumed consist mainly of deferred revenues and accounts payable. The initial allocation shown below is subject to change during the remainder of 2018 as the Bank will continue to receive and analyze information for this acquisition.

	<b>As at March 29, 2018</b>
<b>Total consideration transferred</b>	24,680
<b>Assets acquired</b>	
Cash due from banks	3,958
Intangible assets (estimated useful life of 15 years)	16,432
Other assets	4,548
<b>Total assets acquired</b>	24,938
<b>Liabilities acquired</b> (included in Other liabilities on the balance sheet)	4,626
<b>Excess purchase price (Goodwill)</b>	4,368

**Note 23: Related party transactions**

**Financing Transactions**

Certain directors and executives of the Bank, companies in which they are principal owners and/or members of the board, and trusts in which they are involved, have loans with the Bank. Loans to directors were made in the ordinary course of business at normal credit terms, including interest rate and collateral requirements. Loans to executives may be eligible to preferential rates. As at June 30, 2018, related party director and executive loan balances were \$58.0 million (December 31, 2017: \$30.6 million). During the six months ended June 30, 2018, new issuance of loans and change in directorships to directors and executives were \$27.6 million and repayments and change in directorships were \$0.2 million (year ended December 31, 2017: \$31.7 million and \$8.9 million, respectively). During the year ended December 31, 2017, a director resigned from the Board resulting in \$4.3 million in loans being reclassified out of related party loans. All of these loans were considered performing loans as at June 30, 2018 and December 31, 2017. For the six months ended June 30, 2018, the Bank has recognized \$1.4 million (June 30, 2017: \$0.4 million) of loan interest revenue in the consolidated statement of operations relating to directors and executives, companies in which they are principal owners and/or members of the board, and trusts in which they are involved.

Certain directors and executives of the Bank, companies in which they are principal owners, and trusts in which they are involved, have deposits with the Bank. As at June 30, 2018, related party director and executive deposit balances were \$27.2 million (December 31, 2017: \$23.5 million).

On October 6, 2015, the Bank executed a \$6 million loan agreement with a related party of an executive which originally matured on October 31, 2017. This agreement was renewed at \$6 million and matures on November 2, 2018. This loan was made in the ordinary course of business on normal commercial terms. At June 30, 2018, nil (December 31, 2017: nil) was outstanding under this agreement. For the six months ended June 30, 2018, nil (June 30, 2017: nil) of interest income has been recognized in the consolidated statements of operations in relation with this agreement.

Certain affiliates of the Bank have loans and deposits with the Bank. The loans were made and the deposits are maintained in the ordinary course of business on normal commercial terms. At June 30, 2018, affiliates had loan balances of \$10.3 million (December 31, 2017: \$10.5 million) and deposits balances of \$0.3 million (December 31, 2017: \$0.6 million). For the six months ended June 30, 2018, the Bank has recognized \$1.0 million (June 30, 2017: \$1.0 million) of non-interest expenses and \$0.3 million (June 30, 2017: \$0.3 million) of loan interest revenue in the consolidated statement of operations relating to affiliates which the Bank holds investments in.

**Capital Transaction**

Up to February 28, 2017, investment partnerships associated with The Carlyle Group held approximately 14% of the Bank's equity voting power along with the right to designate two persons for nomination for election by the shareholders as members of the Bank's Board of Directors. On February 28, 2017, as a result of a secondary public offering, the Carlyle Group sold their holdings in the Bank, and as a result, the investment agreement between the Bank and the Carlyle Group, which provided, amongst other rights, the right to designate two persons for nomination for election by the shareholders as members of the Bank's Board of Directors, was terminated.

**Financial Transactions With Related Parties**

The Bank holds seed investments in several Butterfield mutual funds, which are managed by a wholly-owned subsidiary of the Bank. As at June 30, 2018, these investments have a fair value of \$5.0 million with an unrealized gain of \$1.6 million (December 31, 2017: \$5.0 and \$1.6 million, respectively) and were included in trading investments at their fair value. During the six months ended June 30, 2018, the Bank earned \$4.6 million (June 30, 2017: \$3.3 million) in asset management revenue from funds managed by a wholly-owned subsidiary of the Bank.

**Note 24: Subsequent events**

On July 24, 2018, the Board of Directors declared an interim dividend of \$0.38 per common share to be paid on August 17, 2018 to shareholders of record on August 6, 2018.