



EMBRACE POSSIBILITIES, INVEST IN CERTAINTIES

Equity Investor Presentation

December 31, 2017

**ASSURED  
GUARANTY®**

# Forward-Looking Statements and Safe Harbor Disclosure



- This presentation contains information that includes or is based upon forward looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward looking statements give the expectations or forecasts of future events of Assured Guaranty Ltd. (AGL) and its subsidiaries (collectively with AGL, Assured Guaranty or the Company). These statements can be identified by the fact that they do not relate strictly to historical or current facts and relate to future operating or financial performance.
- Any or all of Assured Guaranty's forward looking statements herein are based on current expectations and the current economic environment and may turn out to be incorrect. Assured Guaranty's actual results may vary materially. Among factors that could cause actual results to differ adversely are: (1) reduction in the amount of available insurance opportunities and/or in the demand for Assured Guaranty's insurance; (2) rating agency action, including a ratings downgrade, a change in outlook, the placement of ratings on watch for downgrade, or a change in rating criteria, at any time, of AGL or any of its subsidiaries, and/or of any securities AGL or any of its subsidiaries have issued, and/or of transactions that AGL's subsidiaries have insured; (3) developments in the world's financial and capital markets that adversely affect obligors' payment rates or Assured Guaranty's loss experience; (4) the possibility that budget or pension shortfalls or other factors will result in credit losses or impairments on obligations of state, territorial and local governments and their related authorities and public corporations that Assured Guaranty insures or reinsures; (5) the failure of Assured Guaranty to realize loss recoveries that are assumed in its expected loss estimates; (6) increased competition, including from new entrants into the financial guaranty industry; (7) rating agency action on obligors, including sovereign debtors, resulting in a reduction in the value of securities in Assured Guaranty's investment portfolio and in collateral posted by and to Assured Guaranty; (8) the inability of Assured Guaranty to access external sources of capital on acceptable terms; (9) changes in the world's credit markets, segments thereof, interest rates or general economic conditions; (10) the impact of market volatility on the mark-to-market of Assured Guaranty's contracts written in credit default swap form; (11) changes in applicable accounting policies or practices; (12) changes in applicable laws or regulations, including insurance, bankruptcy and tax laws, or other governmental actions; (13) the impact of changes in the world's economy and credit and currency markets and in applicable laws or regulations relating to the decision of the United Kingdom to exit the European Union; (14) the possibility that acquisitions or alternative investments made by Assured Guaranty do not result in the benefits anticipated or subject Assured Guaranty to unanticipated consequences; (15) deterioration in the financial condition of Assured Guaranty's reinsurers, the amount and timing of reinsurance recoverables actually received and the risk that reinsurers may dispute amounts owed to Assured Guaranty under its reinsurance agreements; (16) difficulties with the execution of Assured Guaranty's business strategy; (17) loss of key personnel; (18) the effects of mergers, acquisitions and divestitures; (19) natural or man-made catastrophes; (20) other risk factors identified in AGL's filings with the U.S. Securities and Exchange Commission (the SEC); (21) other risks and uncertainties that have not been identified at this time; (22) management's response to these factors.
- The foregoing review of important factors should not be construed as exhaustive, and should be read in conjunction with the other cautionary statements that are included in Assured Guaranty's Form 10-K. The Company undertakes no obligation to update publicly or review any forward looking statement, whether as a result of new information, future developments or otherwise, except as required by law. Investors are advised, however, to consult any further disclosures the Company makes on related subjects in the Company's reports filed with the SEC.
- If one or more of these or other risks or uncertainties materialize, or if the Company's underlying assumptions prove to be incorrect, actual results may vary materially from what the Company projected. Any forward looking statements in this presentation reflect the Company's current views with respect to future events and are subject to these and other risks, uncertainties and assumptions relating to its operations, results of operations, growth strategy and liquidity.
- For these statements, the Company claims the protection of the safe harbor for forward looking statements contained in Section 27A of the Securities Act of 1933, as amended (the Securities Act), and Section 21E of the Securities Exchange Act of 1934, as amended (the Exchange Act).

# Conventions and Non-GAAP Financial Measures



- Unless otherwise noted, the following conventions are used in this presentation:
  - Ratings on Assured Guaranty’s insured portfolio and on bonds purchased pursuant to our loss mitigation or risk management strategies are our internal credit ratings. Internal credit ratings are expressed on a ratings scale similar to that used by the rating agencies and are generally reflective of an approach similar to that employed by the rating agencies, except that the Company’s credit ratings focus on future performance, rather than lifetime performance. Exposures rated below investment grade are designated “BIG”.
  - The Company reclassifies those portions of risks benefitting from collateralized reimbursement arrangements as the higher of AA or their current internal rating.
  - The Company excludes Company-insured securities that it has purchased for loss mitigation purposes from its disclosure of par and debt service outstanding (unless otherwise indicated) because it manages such securities as investments and not insurance exposure.
  - Ratings on the investment portfolios are the lower of the ratings from Moody’s Investors Service, Inc. (“Moody’s”) or S&P Global Ratings Services (“S&P”).
  - Percentages and totals in tables or graphs may not add due to rounding.
- This presentation references financial measures that are not in accordance with U.S. generally accepted accounting principles (“GAAP”), which management uses in order to assist analysts and investors in evaluating Assured Guaranty’s financial results. These financial measures are determined on the basis of methodologies other than in accordance with GAAP (“non-GAAP financial measures”), and are defined in the Appendix. Wherever possible, the Company has separately disclosed the effect of consolidating FG VIEs on the non-GAAP financial measures. See the Appendix for a more comprehensive description of non-GAAP financial measures.
- When a financial measure is described as “operating,” it is a non-GAAP measure.

- **Fourth Quarter and YTD 2017 accomplishments**
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# Fourth Quarter 2017 Accomplishments



- **Earned \$91 million of non-GAAP operating income<sup>1</sup>, or \$0.77 per share, which includes \$2 million, or \$0.02 per share, related to the effect of consolidating financial guaranty variable interest entities (FG VIEs)**
- **Increased shareholders' equity per share, non-GAAP operating shareholders' equity<sup>1</sup> per share and non-GAAP adjusted book value<sup>1</sup> per share, reaching new records of \$58.95, \$56.20 and \$77.74, respectively**
- **Generated \$77 million of new business production<sup>1</sup>**
- **Repurchased an additional 1.93 million common shares (\$70 million) at an average price of \$36.18 per share**
- **Terminated \$117 million of insured net par outstanding**

1. For an explanation of non-GAAP financial measures, please refer to the Appendix.

# Full Year 2017 Accomplishments

- **Earned \$661 million of non-GAAP operating income<sup>1</sup>, or \$5.41 per share, which includes \$11 million, or \$0.10 per share, related to the effect of consolidating financial guaranty variable interest entities (FG VIEs)**
- **Generated \$289 million of new business production<sup>1</sup> in 2017, a 35% increase over 2016**
- **Repurchased an additional 12.7 million common shares (\$501 million) at an average price of \$39.57 per share**
- **Terminated \$727 million of insured net par outstanding, increasing excess capital and reducing potential future losses**
- **Purchased approximately \$135 million par of insured securities, at a cost of \$101 million, for loss mitigation purposes**

1. For an explanation of non-GAAP financial measures, please refer to the Appendix.

# Assured Guaranty Overview



## Assured Guaranty Ltd.

(\$ in billions)	December 31, 2017	September 30, 2009
Net par outstanding	<b>\$265.0</b>	\$646.6
U.S. public finance	<b>\$209.4</b>	\$424.9
U.S. structured finance	<b>\$11.2</b>	\$142.2
Non-U.S.	<b>\$44.3</b>	\$79.5
Total investment portfolio + cash	<b>\$11.5</b>	\$10.2
Net unearned premium reserve <sup>1</sup>	<b>\$3.4</b>	\$7.5
Claims-paying resources <sup>2</sup>	<b>\$11.8</b>	\$12.6
<b>Ratio of net par outstanding / claims-paying resources<sup>2</sup></b>	<b>22:1</b>	<b>51:1</b>

1. Primarily unearned premium reserve net of ceded unearned premium reserve.

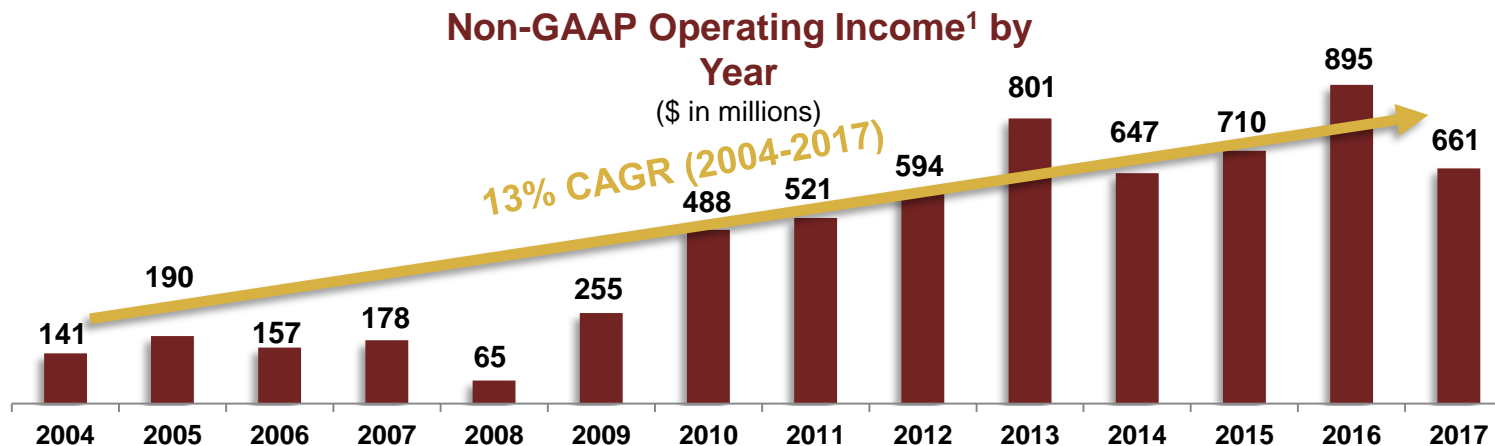
2. Based upon statutory accounting. Aggregate data for operating subsidiaries within the Assured Guaranty Ltd. group. Claims on each subsidiary's insurance policies/financial guaranties are paid from the subsidiary's separate claims-paying resources. See slide 33.

3. In January 2017, AGC requested that Moody's withdraw AGC's financial strength rating, but Moody's denied that request and continues to rate AGC

- **We are the leading financial guaranty franchise, with over three decades of experience in the municipal and structured finance markets**
- **In the U.S., we serve the bond insurance market through three platforms:**
  - Assured Guaranty Municipal Corp. (AGM) focuses on global public finance and infrastructure transactions
    - Rated AA+ (stable) by KBRA, AA (stable) by S&P and A2 (stable) by Moody's
  - Municipal Assurance Corp. (MAC) focuses on smaller U.S. public finance transactions
    - Rated AA+ (stable) by KBRA and AA (stable) by S&P
  - Assured Guaranty Corp. (AGC) guarantees structured finance transactions, global infrastructure and U.S. public finance
    - Rated AA (stable) by KBRA and AA (stable) by S&P<sup>3</sup>
- **Our insured portfolio has an average internal rating of A-**



- Since our initial public offering in 2004, we have grown our annual non-GAAP operating income<sup>1</sup> from \$141 million in 2004 to \$661 million in 2017, a 13% compounded annual growth rate (CAGR).
- Operating income (non-GAAP)<sup>1</sup> has grown through acquisitions, new business production and other strategic activities
  - Recapture of previously ceded business
  - Acceleration of premium through termination of insured exposure
- Repurchases of our shares improve non-GAAP operating income per share<sup>1</sup>



Gain (loss) related to FG VIE consolidation included in non-GAAP operating income:	N/A	N/A	N/A	N/A	N/A	N/A	\$(167)	\$(80)	59	\$192	\$156	\$11	\$12	\$11
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1. For explanations and reconciliations of non-GAAP operating income and non-GAAP operating income per share, which are non-GAAP financial measures, please refer to the Appendix. The prior-year non-GAAP financial measures have been updated to reflect the revised calculation as discussed in "Explanation of Non-GAAP Financial Measures."

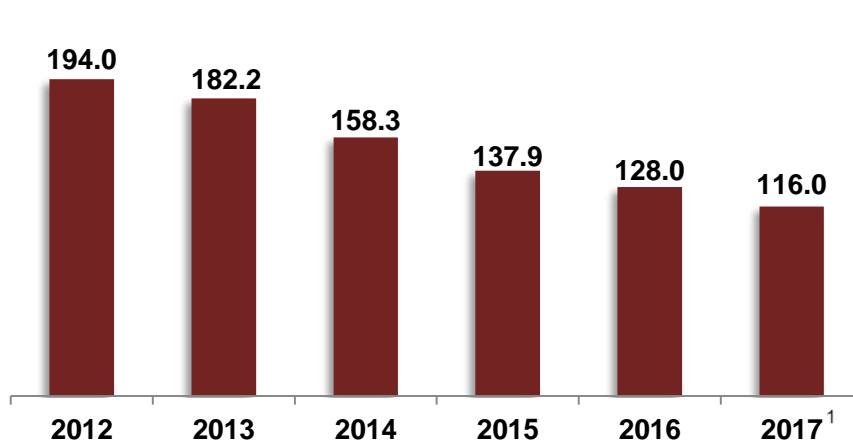
# Assured Guaranty Overview

## Track Record of Creating Shareholder Value

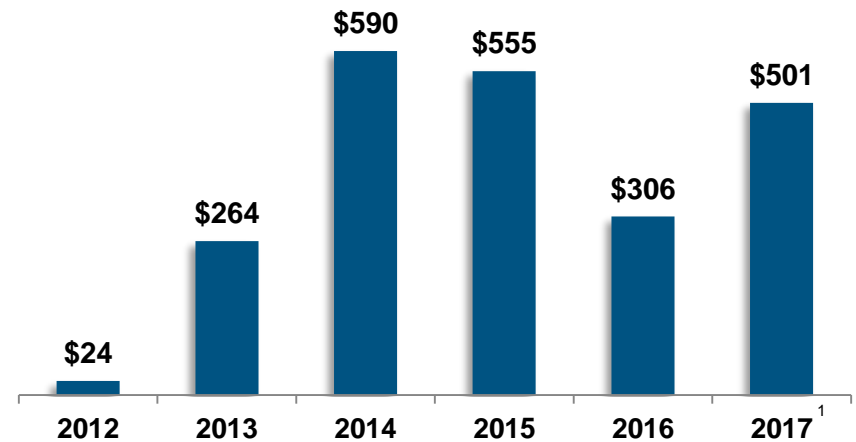


- **We have returned excess capital to shareholders by distributing dividends and repurchasing our common shares**
  - Since 2013, when we started our capital management strategy of repurchasing our common shares, through February 22, 2018, we have repurchased approximately 82.5 million shares, or roughly 43% of our shares outstanding, for approximately \$2.3 billion.
  - In 2017, we repurchased 12.7 million common shares for \$501 million at an average price per share of \$39.57. Between December 31, 2017 and February 22, 2018, the Company repurchased an additional 1.2 million common shares for \$43 million at an average price per share of \$34.90. As of February 22, the Company's remaining share repurchase authorization was \$305 million.
  - In the fourth quarter, we obtained regulatory approval to redeem approximately \$101 million of AGM stock and \$200 million of AGC stock to provide funds to the parent company that may ultimately be used for share repurchases or alternative investments
  - Since our 2004 IPO, we have more than tripled our quarterly dividend per share. In February 2018, our Board of Directors authorized an increase in the quarterly dividend to \$0.16 per share. We have raised our quarterly dividends for seven consecutive years.

**Ending Share Count by Year and YTD**  
(in millions)



**Total Share Repurchase Amounts by Year and YTD**  
(\$ in millions)



1. From December 31, 2017 to February 22, 2018, the Company repurchased an additional 1.2 million common shares at a cost of \$43 million.

# Dividend Limitation Calculations

Assured Guaranty Municipal Corp. (Domiciled in New York)	Assured Guaranty Corp. (Domiciled in Maryland)	Assured Guaranty Re Ltd. (AG Re) (Domiciled in Bermuda)
<ul style="list-style-type: none"> <li>Based on most recently filed quarterly or annual statement</li> <li>Only out of “earned surplus”<sup>1</sup></li> <li>Cannot exceed the lesser of:                             <ul style="list-style-type: none"> <li>(i) 10% of policyholders’ surplus, and</li> <li>(ii) 100% of adjusted net investment income                                     <ul style="list-style-type: none"> <li>– Prior 12 months’ net investment income (excluding realized gains) increased by the excess, if any, of net investment income over dividends paid for the 24 months preceding the prior 12 months.</li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Based on most recently filed annual statement</li> <li>Cannot exceed the lesser of:                             <ul style="list-style-type: none"> <li>(i) 10% of policyholders’ surplus, and</li> <li>(ii) 100% of adjusted net investment income                                     <ul style="list-style-type: none"> <li>– Prior year net investment income (excluding realized gains) increased by the excess, if any, of net investment income for the three years preceding the prior year over dividends paid for the three prior years.</li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Cannot exceed 25% of prior year total statutory capital and surplus without certification to the regulator</li> <li>Cannot exceed current outstanding statutory surplus</li> <li>Must be paid from current unencumbered assets</li> <li>Additionally, AG Re can make capital distributions which cannot exceed 15% of its total prior year statutory capital (total stat capital of \$857 million, 15% of which is \$128 million)</li> </ul>

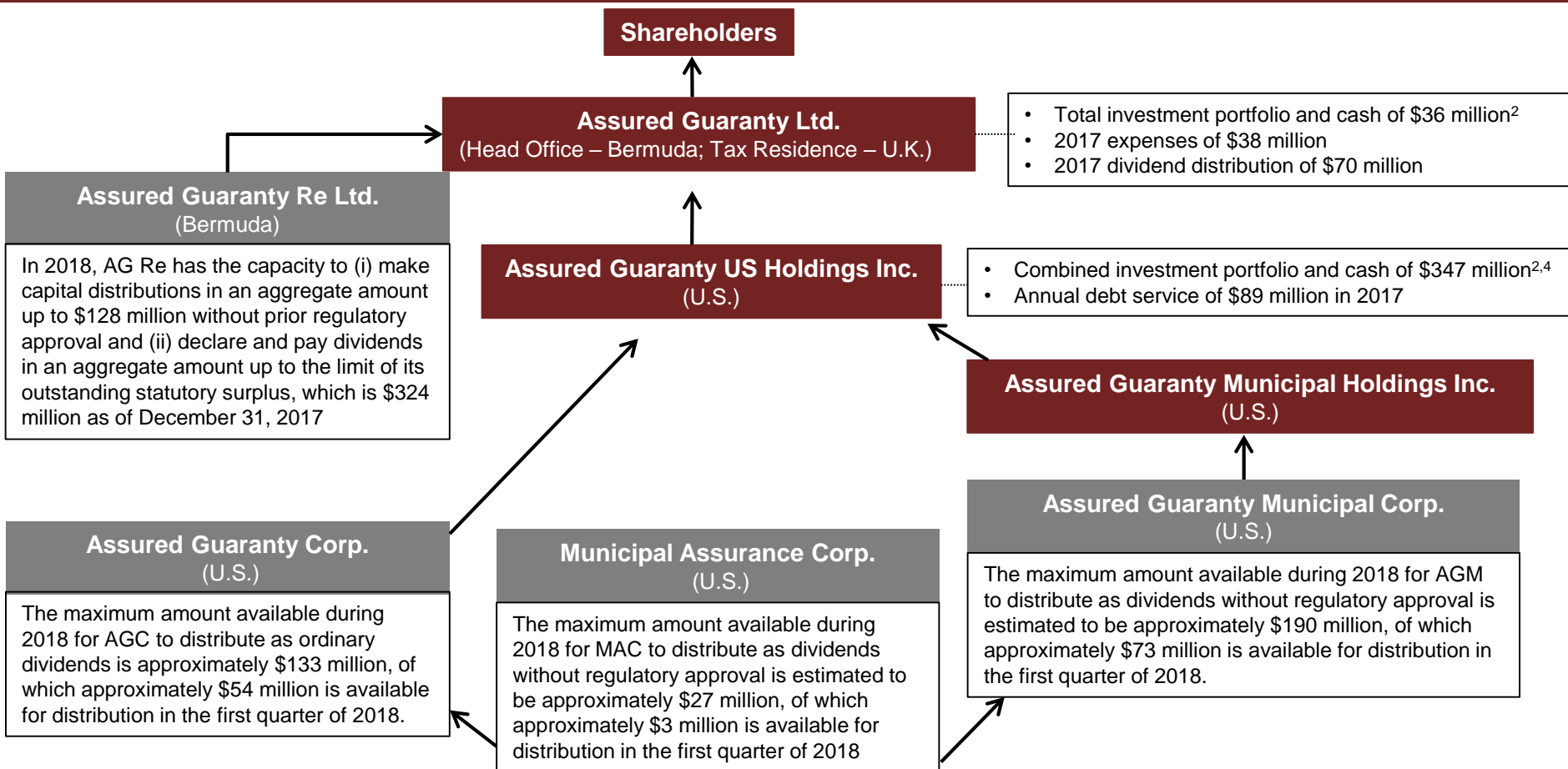
(\$ in millions)

Policyholders’ surplus	\$2,253	Policyholders’ surplus	\$2,073	Total stat capital and surplus	\$1,294
10% of policyholders’ surplus	<b>\$225</b>	10% of policyholders’ surplus	<b>\$207</b>	25% of stat capital and surplus	<b>\$324</b>
1Q-17 through 4Q-17 investment income	<b>\$190</b>	2017 investment income	<b>\$133</b>	Outstanding statutory surplus	<b>\$437</b>
Net investment income		Net investment income		Unencumbered assets	<b>\$554</b>
1Q-15 through 4Q-15	240	2014	54		
1Q-16 through 4Q-16	189	2015	79		
Total	<b>\$429</b>	2016	107		
		Total	<b>\$240</b>		
Dividends paid		Dividends paid		<b>2018 Dividend Limitation</b>	<b>\$324</b>
1Q-15 through 4Q-15	(215)	2015	(90)		
1Q-16 through 4Q-16	(247)	2016	(78)		
Total	<b>(\$462)</b>	2017	(107)		
		Total	<b>(\$275)</b>		
Excess of investment income over dividends	<b>\$0</b>	Excess of investment income over dividends	<b>\$0</b>		
Adjusted net investment income		Adjusted net investment income			
(\$190 + \$0 = \$190)	<b>\$190</b>	(\$133 + 0 = \$133)	<b>\$133</b>		
<b>2018 Dividend Limitation</b>	<b>\$190</b>	<b>2018 Dividend Limitation</b>	<b>\$133</b>		

1. Earned surplus is currently approximately \$1.7 billion. Earned surplus is the portion of the company’s surplus that represents the net earnings, gains or profits (after deduction of all losses) that have not been distributed to shareholders as dividends or transferred to stated capital or capital surplus, or applied to other purposes permitted by law, but does not include unrealized appreciation of assets.

# Assured Guaranty Overview

## Simplified Corporate Structure<sup>1</sup>



1. Represents dividend capacity as of December 31, 2017. Please see our Form 10-K for the year ended December 31, 2017 for a discussion of the dividend limitations to which we are subject under applicable U.S. and Bermuda law, including the New York Insurance Law and the Maryland Insurance Code.
2. As of December 31, 2017.
3. Dividends from MAC are distributed to AGM and AGC, which may affect AGM's and AGC's dividend capacity in future periods.
4. Excludes AGUS's investment in AGMH's debt.

A photograph showing three construction workers on a construction site. They are standing on a grid of steel reinforcement bars (rebar) laid out on a wooden formwork. The workers are wearing white hard hats and safety glasses. One worker is wearing a white shirt and blue pants, another is wearing a yellow shirt and dark pants, and the third is wearing a white shirt and blue pants. They appear to be inspecting or working on the rebar grid. The background shows more of the construction site with wooden formwork and rebar structures.

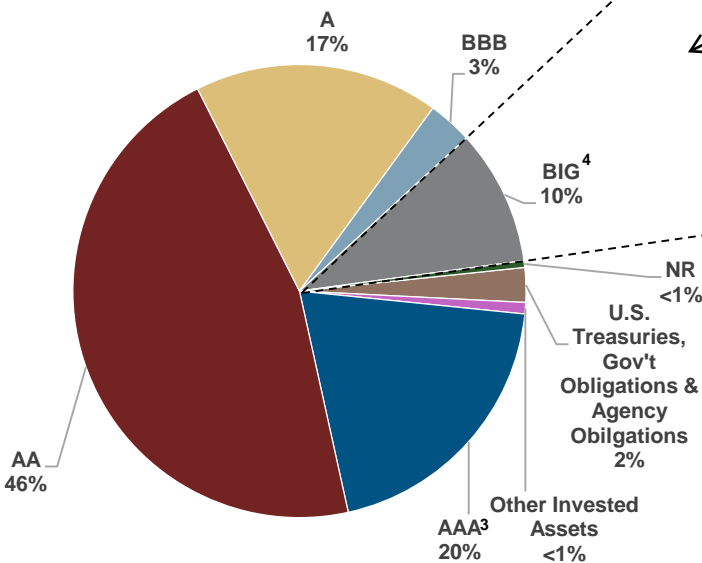
Underlying Value

# Underlying Value

## High-Quality Investment Portfolio

### Total Invested Assets and Cash<sup>1,2</sup>

As of December 31, 2017



Nearly 100% of BIG is held for loss mitigation or other risk management strategies

- Highly rated fixed maturity and short-term investments, 68% rated AA or higher, and cash
- Approximately \$771 million invested in liquid, short-term investments and cash
- Overall duration of the fixed maturity securities and short-term investments is 5.3 years

**\$11.5 billion, A+ average rating**

1. Includes securities purchased or obtained as part of loss mitigation or other risk management strategies.
2. Ratings are represented by the lower of the Moody's and S&P classifications except for bonds purchased for loss mitigation or other risk management strategies, which use internal ratings classifications.
3. Included in the AAA category are short-term securities and cash.
4. Includes long-term BIG securities that were purchased or obtained as part of loss mitigation or other risk management strategies of \$1,638 million in par with carrying value of \$1,093 million.

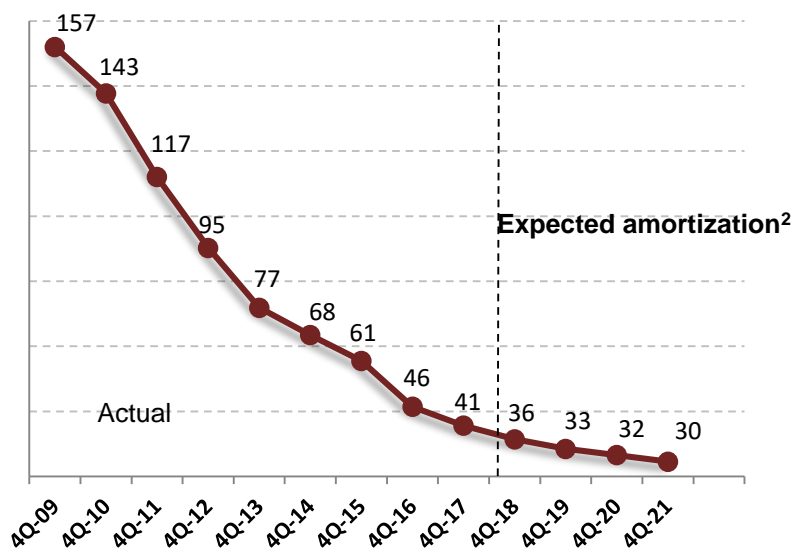
# Underlying Value

## Deleveraging While Maintaining Total Invested Assets

- **Our insured net par outstanding to non-GAAP operating shareholders' equity<sup>1</sup> has declined from 157:1 in 4Q-09 to 41:1 as of 4Q-17**
  - Deleveraging is expected to continue in the near term as new business is not expected to fully replace the amortization of the portfolio
- **Meanwhile, total invested assets and cash remains comparable to prior amounts**

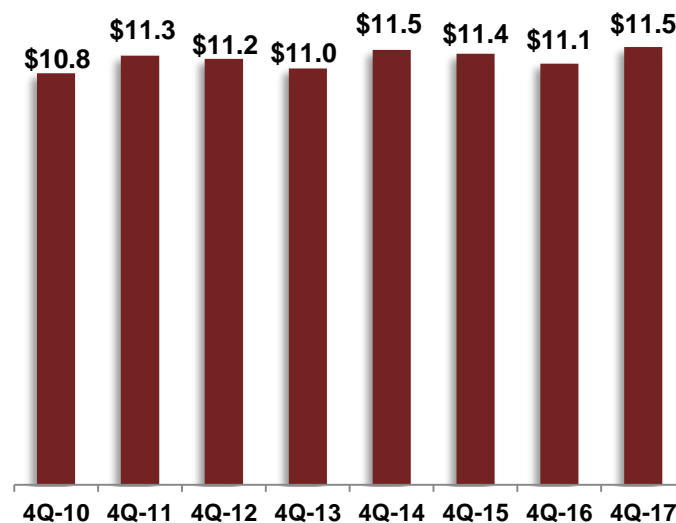
### Non-GAAP Operating Portfolio Leverage

Insured Net Par Outstanding / non-GAAP Operating Shareholders' Equity<sup>1</sup>



### Total Invested Assets and Cash

(\$ in billions)



1. For an explanation of non-GAAP operating shareholders' equity, please refer to the Appendix.  
 2. Assumes no new business production and calculates estimated amortization divided by current non-GAAP operating shareholders' equity. The prior-year non-GAAP financial measures have been updated to reflect the revised calculation as discussed in "Explanation of Non-GAAP Financial Measures." See footnote one on page 35.

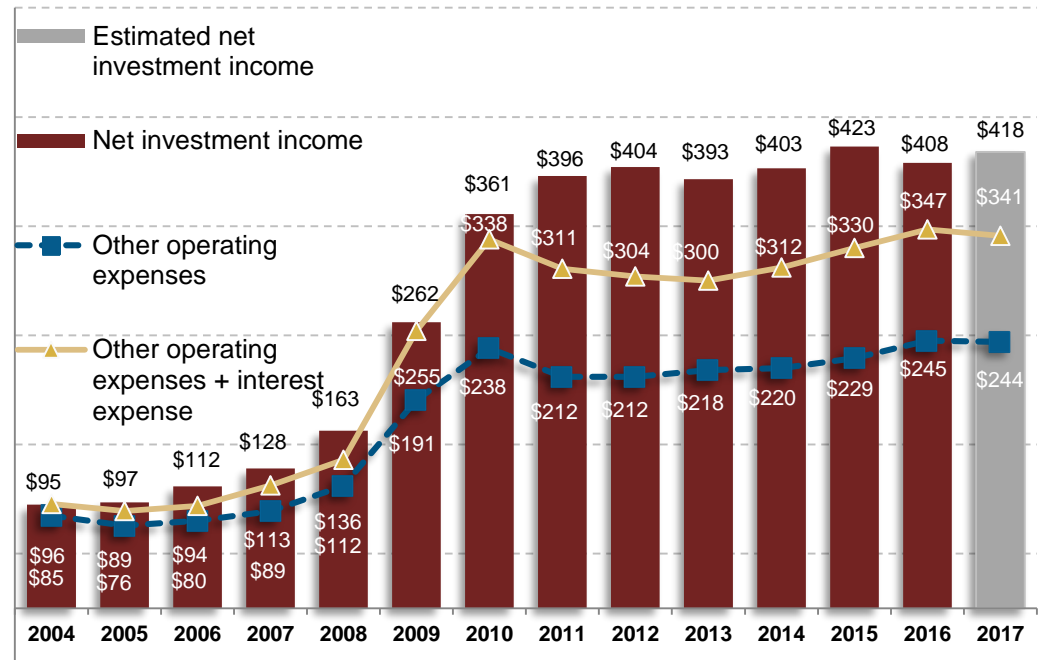
# Underlying Value

## Net Investment Income Generates Capital

- Net investment income is higher than the combination of operating and interest expenses, a spread that fosters capital growth

### Net Investment Income

(\$ in millions)





# Underlying Value Historical Growth



## Non-GAAP Adjusted Book Value<sup>1</sup> per Share

Adj. Book Value: 217% increase (9% CAGR)



	6/30/04	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Shareholders' Equity per share (GAAP):	\$18.73	\$20.19	\$22.22	\$24.44	\$20.33	\$20.62	\$18.76	\$19.97	\$25.52	\$25.74	\$28.07	\$36.37	\$43.96	\$50.82	\$58.95
Gain (loss) related to FG VIE consolidation included in non-GAAP operating shareholders' equity per share <sup>1</sup> :								\$(2.02)	\$(2.44)	\$(1.97)	\$(1.04)	\$(0.24)	\$(0.15)	\$(0.06)	\$0.03
Gain (loss) related to FG VIE consolidation included in non-GAAP adjusted book value per share <sup>1</sup> :								\$(2.38)	\$(3.10)	\$(2.33)	\$(1.36)	\$(0.39)	\$(0.31)	\$(0.18)	\$(0.12)

- Net unearned premium reserve on financial guaranty contracts in excess of net expected loss to be expensed less deferred acquisition costs, after tax
- Net present value of estimated net future revenue in force and net unearned revenue, after tax
- Non-GAAP operating shareholders' equity<sup>1</sup>

1. For explanations of non-GAAP adjusted book value and net present value of estimated net future revenue and non-GAAP operating shareholders' equity, please refer to the Appendix

# Creating Value



# Creating Value

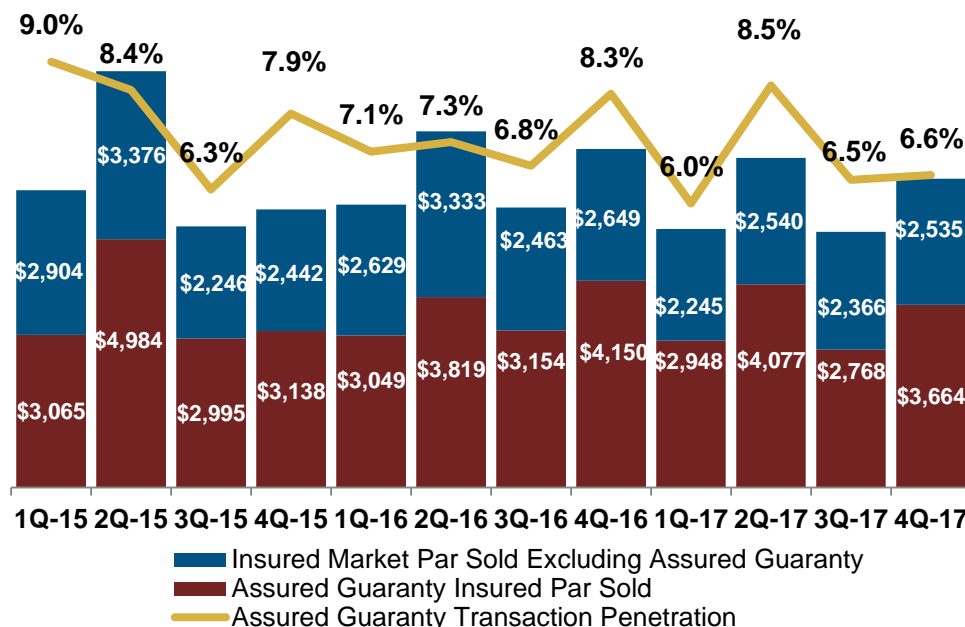
## New Business Production (Par Insured) Penetration in the U.S. Public Finance Market



- We are focused on building demand for our guaranties, both in the primary and the secondary markets for U.S. public finance**
  - Primary market policies sold during 2017 totaled 833 or \$13.5 billion
  - Secondary market policies sold during 2017 totaled 351 or \$1.9 billion
- Total market issuance decreased 7% in 2017 compared with 2016, while insured volume decreased by 9% in that same period**
  - Industry par penetration for all transactions with underlying A ratings was 23.3% in 2017 compared with 22.6% in 2016
  - Industry penetration based on the number of transactions with underlying A ratings also increased to 57.3% in 2017 compared with 55.8% in 2016
- Industry penetration for smaller deals (transactions under \$25 million) based on the number of transactions increased to 18.3% in 2017 compared with 17.5% in 2016**

### New Issue U.S. Public Finance Insured Par Sold and Transaction Penetration<sup>1</sup>

(\$ in millions)



Total U.S. Public Finance New Issuance	1Q-15	2Q-15	3Q-15	4Q-15	1Q-16	2Q-16	3Q-16	4Q-16	1Q-17	2Q-17	3Q-17	4Q-17
Par Issued (\$ in billions)	\$104.0	\$111.0	\$86.0	\$76.4	\$96.5	\$119.4	\$108.4	\$100.2	\$86.6	\$100.7	\$84.4	\$137.5
Transactions Issued	3,059	3,783	2,665	2,558	2,787	3,635	3,048	2,775	2,271	3,013	2,307	3,007

1. Source: SDC database. As of September 30, 2017. Transaction penetration shown is Assured Guaranty's transaction count as a percentage of all transactions issued.

# Creating Value

## New Business Production

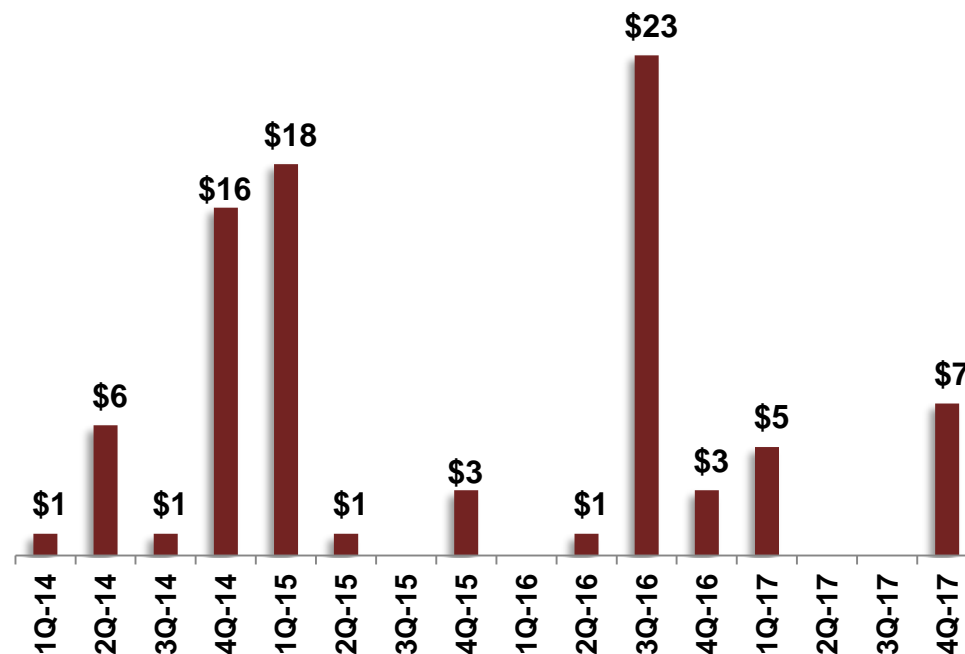
### U.S. Structured Finance Business Activity



- Focus has been on bilateral transactions to improve policy beneficiaries' capital management efficiency
- During 1Q 2017, we increased our reinsurance exposure on an existing capital relief triple-X excess-of-loss life insurance transaction
- New structured finance business production tends to fluctuate, as large, complex transactions require a long time frame to close
- We expect that capital market structured finance opportunities will increase in the future as interest rates rise, more issuers return to the capital markets for financings and institutional investors again utilize financial guaranties

### U.S. Structured PVP<sup>1</sup>

(\$ in millions)



1. For an explanation of new business production, or "PVP", which is a non-GAAP financial measure, please refer to the Appendix.

# Creating Value

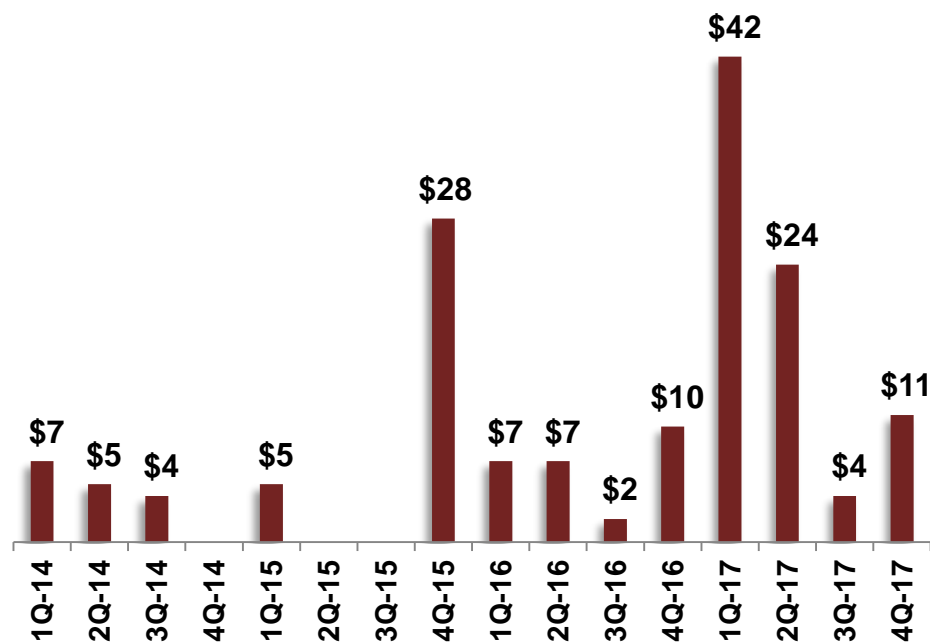
## New Business Production

### Non-U.S. Business Activity

- During 4Q-17, we provided secondary market guarantees on regulated utility transactions and reinsurance on aircraft residual value policies
- During 3Q-17, we guaranteed two regulated utility transactions in the secondary market
- During 2Q-17, we guaranteed a U.K. university housing transaction, provided a senior liquidity guarantee as part of a European infrastructure refinancing and provided reinsurance on aircraft residual value policies
- During 1Q-17, we guaranteed two U.K. university housing transactions, one U.K. hospital transaction, and a transaction in the aviation finance sector, as well as several U.K. regulated utility transactions in the secondary market
- We are optimistic about the pipeline of infrastructure transactions. However, international business typically comprises a small number of high-value transactions that have longer development periods and multiple counterparties, so the timing of closing transactions is often uncertain

### Non-U.S. PVP<sup>1</sup> by Quarter

(\$ in millions)



1. For an explanation of new business production, or "PVP," which is a non-GAAP financial measure, please refer to the Appendix.

# Creating Value

## New Business Production

### Underwriting Principles and Pricing Discipline



- Continued focus on underwriting and pricing discipline
- Gross par of new business written increased in 2017 for the fourth consecutive year, and was the largest amount of annual new business written since 2010.
  - YE 2017 PVP increased 35% above YE 2016, and was the largest amount annual PVP since 2010

## Gross Par Written

Sector:	Quarter Ended December 31,				YTD Ended December 31,			
	2017		2016		2017		2016	
	Gross Par Written	Avg. Rating <sup>1</sup>	Gross Par Written	Avg. Rating <sup>1</sup>	Gross Par Written	Avg. Rating <sup>1</sup>	Gross Par Written	Avg. Rating <sup>1</sup>
U.S. public finance	\$4,367	BBB+	\$5,465	A-	\$15,957	A-	\$16,039	A-
Non-U.S. public finance	116	BBB+	107	BBB	1,376	BBB+	677	BBB+
<b>Total public finance</b>	<b>\$4,483</b>	<b>BBB+</b>	<b>\$5,572</b>	<b>A-</b>	<b>\$17,333</b>	<b>A-</b>	<b>\$16,716</b>	<b>A-</b>
U.S. structured finance	\$246	AA-	\$47	A	\$489	AA	\$1,114	AA
Non-U.S. structured finance	47	BBB+	24	AAA	202	BBB+	24	AAA
<b>Total structured finance</b>	<b>\$293</b>	<b>A+</b>	<b>\$71</b>	<b>AA-</b>	<b>\$691</b>	<b>A+</b>	<b>\$1,138</b>	<b>AA</b>
<b>Total gross par written</b>	<b>\$4,776</b>	<b>A-</b>	<b>\$5,643</b>	<b>A-</b>	<b>\$18,024</b>	<b>A-</b>	<b>\$17,854</b>	<b>A-</b>
<b>Total PVP</b>	<b>\$77</b>		<b>\$85</b>		<b>\$289</b>		<b>\$214</b>	
<b>PVP to gross par written</b>	<b>1.61%</b>		<b>1.51%</b>		<b>1.60%</b>		<b>1.20%</b>	

1. Average internal rating.

- **Radian Asset Assurance acquisition closed on April 1, 2015**
  - Resulted in an increase of \$654 million to claims-paying resources, an increase of \$193 million to non-GAAP operating shareholder's equity and \$570 million to non-GAAP adjusted book value
- **CIFG acquisition closed on July 1, 2016**
  - Resulted in a benefit of \$293 million in non-GAAP operating income and \$512 million to non-GAAP adjusted book value
- **MBIA UK Limited (“MBIA UK”) acquisition closed on January 10, 2017**
  - Resulted in a benefit to non-GAAP operating income of \$57 million or \$0.45 per share, at the acquisition date
- **Syncora Guarantee Inc (“SGI”) reinsurance transaction announced in February 2018**
  - Assured Guaranty will reinsure or commute approximately \$14.5 billion of net par currently insured by SGI, substantially all of SGI's insured portfolio
  - SGI will pay Assured Guaranty \$360 million and assign installment premiums estimated to total \$55 million on a present value basis

1. For explanations of non-GAAP financial measures, please refer to the Appendix.

- Reassumption of previously ceded business has increased the unearned premium reserve and non-GAAP adjusted book value<sup>1</sup>

### Commutations Since 2009

As of December 31, 2017

Year	Reassumed Par (\$ in billions)	Reassumed UPR (\$ in millions)	Commutation Gain / (Loss) (\$ in millions)
2009	\$2.9	\$65	\$(11)
2010	15.5	104	50
2011	0.3	2	24
2012	19.2	109	82
2013	0.2	11	2
2014	1.2	20	23
2015	0.9	23	28
2016	0.0	-	8
2017	5.1	82	328
<b>Total</b>	<b>\$45.3</b>	<b>\$416</b>	<b>\$534</b>

### Ceded Par Outstanding by Reinsurer

As of December 31, 2017

(\$ in millions)	Net Par Outstanding
<b>American Overseas Re</b>	\$2,311
<b>Syncora</b>	\$1,427
<b>Others</b>	\$696
<b>Total</b>	<b>\$4,434</b>

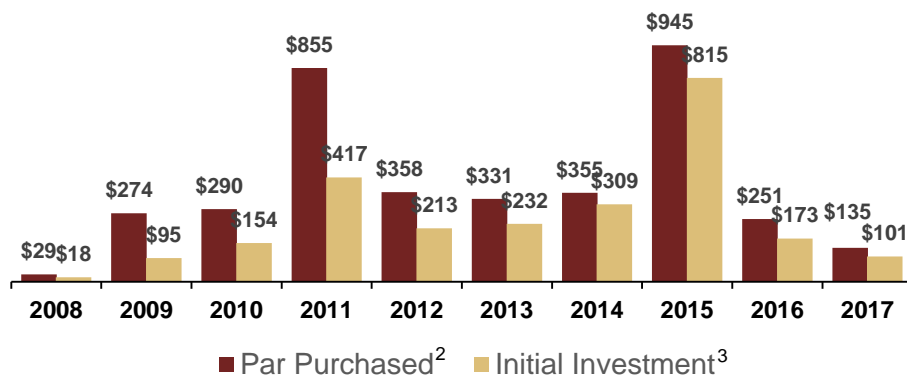
1. For an explanation of non-GAAP adjusted book value, which is a non-GAAP financial measure, please refer to the Appendix.



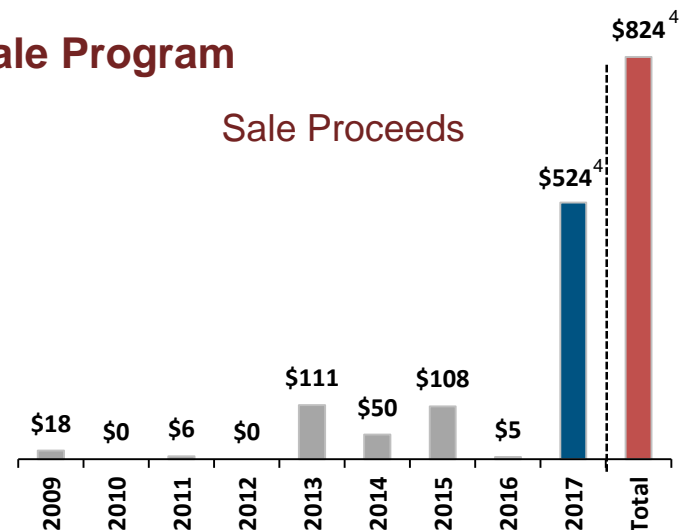
- **Since 2008, for loss mitigation purposes, we have strategically purchased bonds we had previously insured. Besides reducing our losses, these purchases can potentially relieve rating agency capital charges, increase future investment income and increase non-GAAP adjusted book value<sup>1</sup>**
  - The amount of reserves released and the ongoing principal and interest from the bonds are expected to be greater than the purchase price
  - We have purchased approximately \$3.8 billion of par on insured securities through December 31, 2017 with an initial purchase price of approximately \$2.4 billion
- **Targeted purchases are BIG securities on which claims are expected to be paid**
- **Subsequent to purchasing some of our insured bonds for loss mitigation purposes, we removed our insurance and sold the bonds uninsured. This typically creates rating agency capital and an economic benefit**

## Loss Mitigation Bond Purchase and Sale Program

Bonds Repurchased (\$ in millions)



Sale Proceeds



1. For an explanation of non-GAAP adjusted book value, please refer to the Appendix.  
 2. Par at the time of purchase.  
 3. Cost of purchase.  
 4. Includes \$334 million of Zohar II notes used as consideration to acquire MBIA UK in Q1 2017.

# Creating Value

## Loss Mitigation

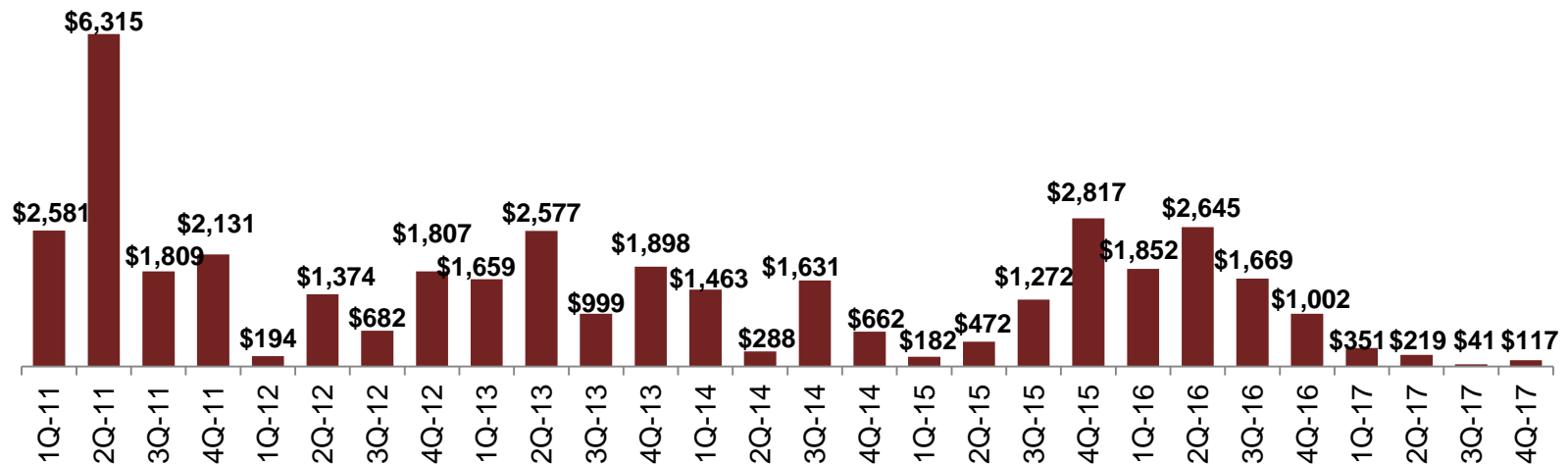
### Agreements to Terminate Contracts




- **Actively pursue termination of insurance contracts**
  - At beneficiary's request: may keep all economics, possibly more
  - At our request: share economics with beneficiary
  - To eliminate high capital charges: share or possibly give up some economics
- **Since January 1, 2011, approximately \$41 billion of net insured par outstanding has been terminated, which reduces our leverage and, in some cases, relieves rating agency capital charges**

### Completed Terminations Since January 1, 2011

(\$ in millions)





Financial Results  
December 31, 2017

# Fourth Quarter 2017 Results

## Select Financial Items



Select GAAP Results (\$ in millions, except per share data and percentages)	Quarter Ended December 31,		% Change vs. 4Q-16
	2017	2016	
Net income (loss)	\$52	\$197	(74)%
Net income (loss) per diluted share	\$0.44	\$1.49	(71)%
Net earned premiums	\$178	\$236	(25)%
Net investment income	\$96	\$117	(18)%
Loss and LAE	\$34	\$112	(70)%
GAAP ROE <sup>1</sup>	3.0%	12.0%	(9.0)pp

Select Non-GAAP Results (\$ in millions, except per share data and percentages)	Quarter Ended December 31,				% Change vs. 4Q-16
	2017		2016		
	Amount	Effect of FG VIE Consolidation <sup>3</sup>	Amount	Effect of FG VIE Consolidation <sup>3</sup>	
Non-GAAP Operating income	\$91	\$2	\$139	\$16	(35)%
Non-GAAP Operating income per diluted share	\$0.77	\$0.02	\$1.05	\$0.12	(27)%
Non-GAAP Operating loss and LAE <sup>1</sup>	\$16	\$(2)	\$117	\$(3)	(86)%
Non-GAAP Operating ROE <sup>2</sup>	5.6%	0.2%	8.7%	1.1%	(3.1)pp

NM = Not meaningful pp = percentage points

1. Please see page 29 for a description of non-GAAP loss and LAE as well as a reconciliation of GAAP loss and LAE to non-GAAP loss and LAE

2. ROE calculations represent annualized returns.

3. The "Effect of FG VIE Consolidation" column represents amounts included in the consolidation statements of operations and non-GAAP operating income that the Company removes to arrive at the core financial measures that management uses in certain of its compensation calculations and its decision-making process. Please refer to the explanation of Non-GAAP Financial Measures set forth in the Appendix.

# Year-End 2017 Results

## Select Financial Items



Select GAAP Results (\$ in millions, except per share data and percentages)	Year Ended December 31,		% Change vs. YE-16
	2017	2016	
<b>Net income (loss)</b>	<b>\$730</b>	<b>\$881</b>	<b>(17)%</b>
<b>Net income (loss) per diluted share</b>	<b>\$5.96</b>	<b>\$6.56</b>	<b>(9)%</b>
<b>Net earned premiums</b>	<b>\$690</b>	<b>\$864</b>	<b>(20)%</b>
<b>Net investment income</b>	<b>\$418</b>	<b>\$408</b>	<b>2%</b>
<b>Loss and LAE</b>	<b>\$388</b>	<b>\$295</b>	<b>32%</b>
<b>GAAP ROE<sup>1</sup></b>	<b>10.9%</b>	<b>14.0%</b>	<b>(3.1)pp</b>

Select Non-GAAP Results (\$ in millions, except per share data and percentages)	Year Ended December 31,				% Change vs. YE-16
	2017		2016		
	Amount	Effect of FG VIE Consolidation <sup>3</sup>	Amount	Effect of FG VIE Consolidation <sup>3</sup>	
Non-GAAP Operating income	\$661	\$11	\$895	\$12	(26)%
Non-GAAP Operating income per diluted share	\$5.41	\$0.10	\$6.68	\$0.10	(19)%
Non-GAAP Operating loss and LAE <sup>1</sup>	\$345	\$(7)	\$275	\$(7)	25%
Non-GAAP Operating ROE <sup>2</sup>	10.2%	0.1%	14.5%	0.2%	(4.3)pp

NM = Not meaningful pp = percentage points

1. Please see page 29 for a description of non-GAAP loss and LAE as well as a reconciliation of GAAP loss and LAE to non-GAAP loss and LAE

2. ROE calculations represent annualized returns.

3. The "Effect of FG VIE Consolidation" column represents amounts included in the consolidation statements of operations and non-GAAP operating income that the Company removes to arrive at the core financial measures that management uses in certain of its compensation calculations and its decision-making process. Please refer to the explanation of Non-GAAP Financial Measures set forth in the Appendix.

## Economic loss development (all contracts):

- Represents the estimated change in expected losses due to changes in transaction performance, discount rates, loss mitigation and other factors that affect the ultimate loss experience. Economic loss development excludes the effects of deferred premium revenue. The effect of changes in discount rates that is included in total economic loss development is not indicative of credit impairment or improvement.

## Loss and LAE reported on the Consolidated Statement of Operations:


- Represents loss and loss adjustment expenses (LAE) for contracts accounted for as financial guaranty insurance ONLY
  - GAAP accounting model generally recognizes loss and LAE in the income statement only to the extent and for the amount that such losses exceed deferred premium revenue on a transaction by transaction basis.

## Non-GAAP operating loss and LAE:

- Comprises:
  - Loss and LAE described above, and
  - Losses attributable to credit derivatives

(\$ in millions, except per share amounts)	4Q-17	4Q-16	YE 2017	YE 2016
	Amount	Amount	Amount	Amount
Loss and LAE	\$34	112	\$388	\$295
Non-GAAP operating loss and LAE for credit derivatives	\$18	\$(5)	\$43	\$20
Losses attributed to FG VIEs included above	\$(2)	\$(3)	\$(7)	\$(7)

- **We believe the 2017 Tax Cuts and Jobs Act (the “Tax Reform Act”) will be a net positive going forward**
  - Immediate benefit to adjusted book value of approximately \$239 million (\$2.06 per share)
  - Expected to decrease the non-GAAP operating income effective tax rate
- **The Tax Reform Act did lead to a one-time charge of \$61 million to GAAP net income, or \$35 million to non-GAAP operating income**
  - The charge to GAAP net income was the result of deemed repatriation of undistributed foreign earnings of our U.K. subsidiaries (\$24 million) as well as write down of various net deferred tax assets attributable to the reduction of the corporate tax rate (\$37 million)
- **The Tax Reform Act also includes a provision that repealed the tax treatment of advance refunding bonds, which may result in lower volume of municipal refunding in the future**



Portfolio Overview  
December 31, 2017



# Capital Base (U.S. Statutory Basis)



## Claims-Paying Resources<sup>1</sup>

(\$ in millions)	As of December 31, 2017		
	AGUS Consolidated	AG Re <sup>2</sup>	AGL Consolidated
<b>Claims-paying resources</b>			
Policyholders' surplus	\$4,170	\$1,041	\$5,211
Contingency reserve	1,750	-	1,750
<b>Qualified statutory capital</b>	<b>5,920</b>	<b>1,041</b>	<b>6,961</b>
Unearned premium reserve	2,011	663	2,674
Loss and loss adjustment expense reserves	769	323	1,092
<b>Total policyholders' surplus and reserves</b>	<b>8,700</b>	<b>2,027</b>	<b>10,727</b>
Present value of installment premium	309	136	445
Committed Capital Securities	400	-	400
Excess of loss reinsurance facility <sup>3</sup>	180	-	180
<b>Total claims-paying resources</b>	<b>\$9,589</b>	<b>\$2,163</b>	<b>\$11,752</b>
Statutory net par outstanding <sup>4</sup>	\$173,829	\$65,174	\$239,003
Net debt service outstanding <sup>4</sup>	\$271,153	\$102,187	\$373,340
<b>Ratios:</b>			
Net par outstanding to qualified statutory capital	29:1	63:1	34:1
Capital ratio <sup>5</sup>	46:1	98:1	54:1
Financial resources ratio <sup>6</sup>	28:1	47:1	32:1

## Contribution by Company to AGUS

(\$ in millions)	As of December 31, 2017		
	Policyholder's Surplus	Qualified Statutory Capital	Claims-Paying Resources
AGM, excluding investment in MAC	\$2,090	\$3,062	\$5,765
AGC, excluding investment in MAC	1,967	2,521	\$3,418
MAC	270	494	\$923
Eliminations	(157)	(157)	(\$517)
<b>AGUS Consolidated</b>	<b>\$4,170</b>	<b>\$5,920</b>	<b>\$9,589</b>
AG Re	1,041	1,041	\$2,163
<b>AGL Consolidated</b>	<b>\$5,211</b>	<b>\$6,961</b>	<b>\$11,752</b>

1. Aggregate data for operating subsidiaries within the Assured Guaranty Ltd. group. Claims on each subsidiary's insurance policies/financial guaranties are paid from the subsidiary's separate claims-paying resources. See slide 33.
2. Assured Guaranty Re Ltd. (AG Re) numbers represent the Company's estimates based on U.S. statutory accounting practices prescribed or permitted by insurance regulatory authorities, except for contingency reserves.
3. Represents the \$180 million portion placed with an unaffiliated reinsurer of a \$400 million aggregate excess-of-loss reinsurance facility for the benefit of AGC, AGM and MAC, which became effective January 1, 2018. The facility terminates on January 1, 2020, unless AGC, AGM and MAC choose to extend it.
4. Net par outstanding and net debt service outstanding are presented on a statutory basis.
5. The capital ratio is calculated by dividing net debt service outstanding by qualified statutory capital.
6. The financial resources ratio is calculated by dividing net debt service outstanding by total claims-paying resources.

# Four Discrete Operating Companies with Separate Capital Bases



## Consolidated Statutory-Basis Claims-Paying Resources and Exposures

(\$ in millions)	As of December 31, 2017					
	AGM	AGC	MAC	AG Re <sup>8</sup>	Eliminations <sup>3</sup>	Consolidated
<b>Claims-paying resources</b>						
Policyholders' surplus	\$2,254	\$2,073	\$270	\$1,041	(\$427)	\$5,211
Contingency reserve <sup>1</sup>	1,108	642	224	-	(224)	1,750
<b>Qualified statutory capital</b>	<b>3,362</b>	<b>2,715</b>	<b>494</b>	<b>1,041</b>	<b>(651)</b>	<b>6,961</b>
Unearned premium reserve <sup>1</sup>	1,657	354	248	663	(248)	2,674
Loss and loss adjustment expense reserves <sup>1</sup>	634	135	0	323	0	1,092
<b>Total policyholders' surplus and reserves</b>	<b>5,653</b>	<b>3,204</b>	<b>742</b>	<b>2,027</b>	<b>(899)</b>	<b>10,727</b>
Present value of installment premium <sup>1</sup>	183	126	1	136	(1)	445
Committed Capital Securities	200	200	-	-	-	400
Excess of loss reinsurance facility <sup>2</sup>	180	180	180	-	(360)	180
<b>Total claims-paying resources</b>						
<b>(including MAC adjustment for AGM and AGC)</b>	<b>\$6,216</b>	<b>\$3,710</b>	<b>\$923</b>	<b>\$2,163</b>	<b>(\$1,260)</b>	<b>\$11,752</b>
Adjustment for MAC <sup>4</sup>	451	292	-	-	(743)	-
<b>Total claims-paying resources</b>						
<b>(excluding MAC adjustment for AGM and AGC)</b>	<b>\$5,765</b>	<b>\$3,418</b>	<b>\$923</b>	<b>\$2,163</b>	<b>(\$517)</b>	<b>\$11,752</b>
Statutory net par outstanding <sup>5</sup>	\$120,504	\$23,914	\$30,100	\$65,174	(\$689)	\$239,003
Equity method adjustment <sup>4</sup>	18,271	11,829	-	-	(30,100)	-
Adjusted statutory net par outstanding <sup>1</sup>	\$138,775	\$35,743	\$30,100	\$65,174	(\$30,789)	\$239,003
Net debt service outstanding <sup>5</sup>	\$191,884	\$36,018	\$44,323	\$102,187	(\$1,072)	\$373,340
Equity method adjustment <sup>4</sup>	26,904	17,419	-	-	(44,323)	-
Adjusted net debt service outstanding <sup>1</sup>	\$218,788	\$53,437	\$44,323	\$102,187	(\$45,395)	\$373,340
<b>Ratios:</b>						
Adjusted net par outstanding to qualified statutory capital	41:1	13:1	61:1	63:1		34:1
Capital ratio <sup>6</sup>	65:1	20:1	90:1	98:1		54:1
Financial resources ratio <sup>7</sup>	35:1	14:1	48:1	47:1		32:1
Admitted Assets (statutory basis)	\$5,480	\$3,127	\$824			
Total Liabilities (statutory basis)	3,226	1,054	553			
Contingency Reserves (statutory basis)	972	554	224			
Surplus to Policyholders (statutory basis)	2,254	2,073	270			

- The numbers shown for Assured Guaranty Municipal Corp. (AGM) and Assured Guaranty Corp. (AGC) have been adjusted to include their indirect share of Municipal Assurance Corp. (MAC). AGM and AGC own 60.7% and 39.3%, respectively, of the outstanding stock of Municipal Assurance Holdings Inc., which owns 100% of the outstanding common stock of MAC. In addition, the numbers shown for AGM have been adjusted to include 100% share of its respective European insurance subsidiaries. Amounts include financial guaranty insurance and credit derivatives.
- Represents the \$180 million portion placed with an unaffiliated reinsurer of a \$400 million aggregate excess-of-loss reinsurance facility for the benefit of AGC, AGM and MAC, which became effective January 1, 2018. The facility terminates on January 1, 2020, unless AGC, AGM and MAC choose to extend it.
- Eliminations are primarily for (i) intercompany surplus notes between AGM and AGC, (ii) MAC amounts, whose proportionate share are included in AGM and AGC based on ownership percentages, and (iii) eliminations related to the sale of European Subsidiaries from AGC to AGM. Net par and net debt service outstanding eliminations relate to second-to-pay policies under which an Assured Guaranty insurance subsidiary guarantees an obligation already insured by another Assured Guaranty insurance subsidiary, and net par related to intercompany cessations from AGM and AGC to MAC.
- Represents adjustments for AGM's and AGC's interest and indirect ownership of MAC.
- Net par outstanding and net debt service outstanding are presented on a statutory basis.
- The capital ratio is calculated by dividing adjusted net debt service outstanding by qualified statutory capital.
- The financial resources ratio is calculated by dividing adjusted net debt service outstanding by total claims-paying resources (including MAC adjustment for AGM and AGC).
- Assured Guaranty Re Ltd. (AG Re) numbers represent the Company's estimate of United States (U.S.) statutory accounting practices prescribed or permitted by insurance regulatory authorities, except for contingency reserves.

- **Assured Guaranty's insured portfolio is largely concentrated in U.S. public finance**

- 79% U.S. public finance
- 16% Non-U.S. public finance
- 4% U.S. structured finance
- 1% Non-U.S. structured finance

- **Our insured portfolio has an A- average internal credit rating**

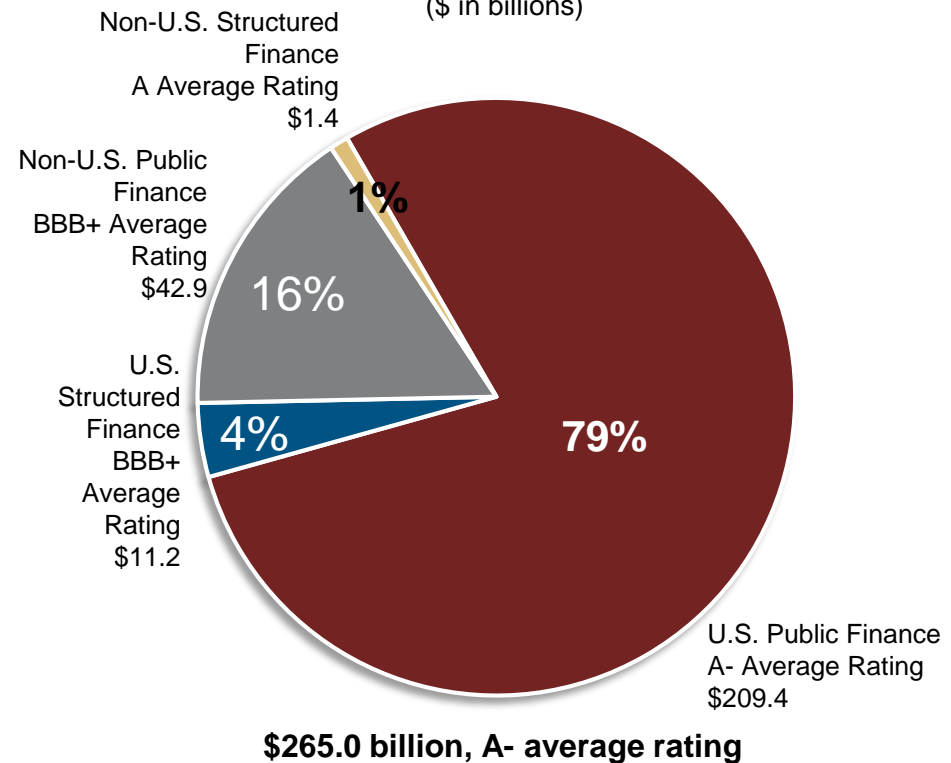
- 4.6% below investment grade

- **U.S. public finance is the sector with the largest BIG exposure**

- \$7.1 billion of U.S. public finance par exposure is BIG (58% of our total BIG)
- Out of this \$7.1 billion, \$5.0 billion of net par exposure relates to Puerto Rico

## Consolidated Net Par Outstanding

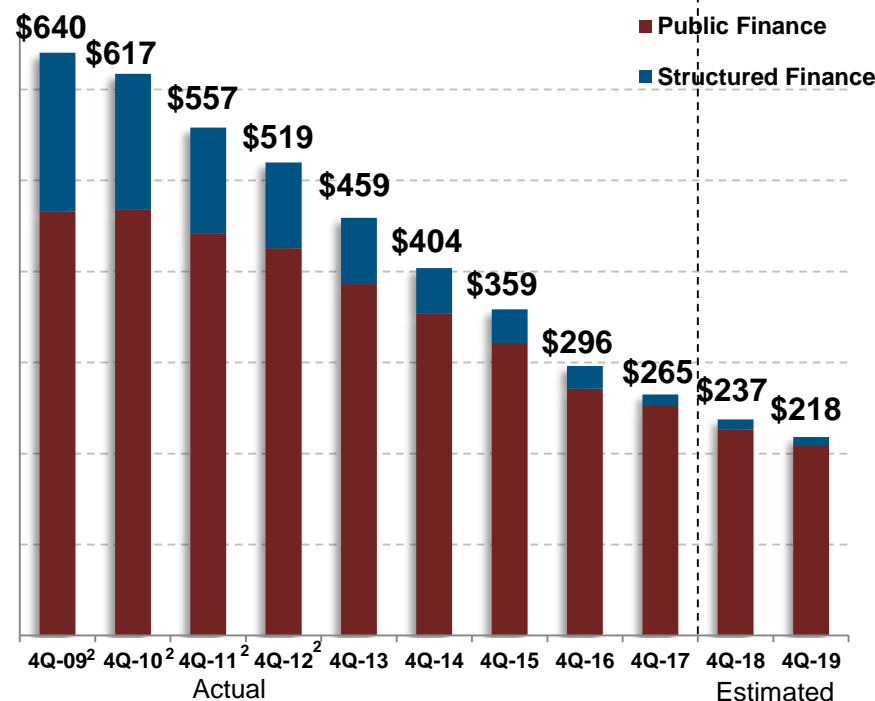
As of December, 2017  
(\$ in billions)



- **Amortization of the existing portfolio reduces rating agency capital charges, but also embedded future earned premiums**
- **New direct or assumed business originations, reassumptions and acquisitions will increase future premiums**
- **Public finance existing exposure amortizes at a steady rate**
  - \$252 billion outstanding
  - 10% by the end of 2018; 17% by the end of 2019
- **Structured finance existing exposure is expected to amortize more quickly than public finance**
  - \$13 billion outstanding
  - 11% by the end of 2018; 23% by the end of 2019

## Consolidated Net Par Outstanding Amortization<sup>1</sup>

As of December 31, 2017  
(\$ in billions)



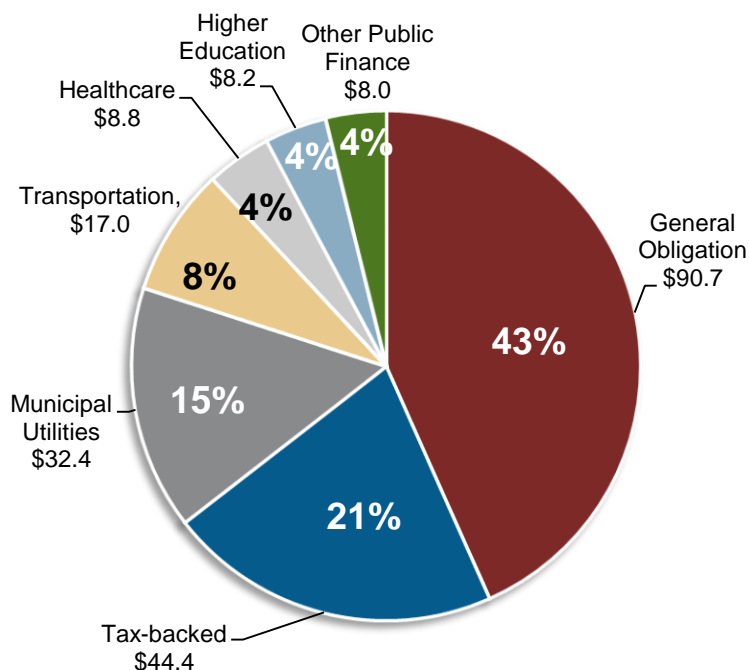
1. Represents the future expected amortization of existing net par outstanding as of December 31, 2017. Actual amortization of the existing portfolio will differ from the expected shown here because, for example, (1) some obligors may call, prepay or defease guaranteed obligations (e.g., in the context of U.S. public finance refundings), and (2) the expected amortization of structured finance transactions is based in part on management's assumptions regarding the performance of the underlying assets while the actual performance of those assets may differ from management's assumptions. Actual amortization of the U.S. public and global infrastructure finance portfolio and the structured finance portfolio may be faster or slower than expected by management, both portfolios may differ in the same direction and one portfolio may amortize more quickly while the other may amortize more slowly.

2. Gross of wrapped bond purchases made primarily for loss mitigation.

# U.S. Public Finance Net Par Outstanding

## U.S. Public Finance

As of December 31, 2017  
(\$ in billions)



**\$209.4 billion, A- average rating**

- **U.S. public finance net par outstanding is \$209.4 billion and makes up 79% of our total insured portfolio as of December 31, 2017**
- **U.S. public finance portfolio generally performed well during the recession and in subsequent years, despite persistent financial pressures on municipal obligors**
  - Our portfolio is well-diversified with approximately 7,900 direct U.S. public finance obligors. We expect future losses to be paid, net of recoveries, on approximately a dozen exposures<sup>1</sup>.
  - We have proactively managed those exposures that have experienced credit deterioration and payment default, like Detroit, Harrisburg and Stockton, with relatively small expected losses.
  - Our Puerto Rico exposure represents our largest below investment grade U.S. public finance exposure.
- **General obligation, tax-backed and municipal utilities represent 80% of U.S. public finance net par outstanding**
  - 63% of total net par outstanding

1. Includes exposure to Puerto Rico credits discussed on the following pages.

# Public Finance

## Puerto Rico Exposure

### Par Exposure to the Commonwealth and its Agencies<sup>1</sup>

As of December 31, 2017

	(\$ in millions)	Net Par Outstanding <sup>2</sup>	Gross Par Outstanding
Commonwealth Constitutionally Guaranteed	Commonwealth of Puerto Rico - General Obligation Bonds <sup>3</sup>	\$1,419	\$1,469
	Puerto Rico Public Buildings Authority (PBA)	141	146
	<b>Subtotal</b>	<b>\$1,560</b>	<b>\$1,615</b>
Public Corporations – Certain Revenues Potentially Subject to Clawback	Puerto Rico Highways and Transportation Authority (PRHTA) (Transportation Revenue Bonds) <sup>3</sup>	\$882	\$913
	Puerto Rico Highways and Transportation Authority (PRHTA) (Highways Revenue Bonds) <sup>3</sup>	495	556
	Puerto Rico Convention Center District Authority (PRCCDA)	152	152
	Puerto Rico Infrastructure Financing Agency (PRIFA)	18	18
	<b>Subtotal</b>	<b>\$1,547</b>	<b>\$1,639</b>
Other Public Corporations	Puerto Rico Electric Power Authority (PREPA) <sup>3</sup>	853	870
	Puerto Rico Aqueduct and Sewer Authority (PRASA) <sup>4</sup>	373	373
	Puerto Rico Municipal Finance Agency (MFA) <sup>4</sup>	360	416
	Puerto Rico Sales Tax Finance Corp. (COFINA) <sup>3</sup>	272	272
	University of Puerto Rico (U of PR) <sup>4</sup>	1	1
	<b>Subtotal</b>	<b>\$1,859</b>	<b>\$1,932</b>
	<b>Total</b>	<b>\$4,966</b>	<b>\$5,186</b>

1. The general obligation bonds of Puerto Rico and various obligations of its related authorities and public corporations are rated BIG. The December 31, 2017 amounts include \$389 million (which is comprised of \$36 million General Obligation Bonds, \$134 million of PREPA; \$144 million PRHTA (Highways revenue), and \$75 million of MFA) related to the commutations, during 2017, of previously ceded business.
2. Includes exposure to Capital Appreciation Bonds with a current aggregate net par outstanding of \$26 million and a fully accreted net par at maturity of \$56 million. Of these amounts, current net par of \$20 million and fully accreted net par at maturity of \$50 million relate to COFINA, current net par of \$4 million and fully accreted net par at maturity of \$4 million relate to the PRHTA, and current net par of \$2 million and fully accreted net par at maturity of \$2 million relate to the Commonwealth General Obligation Bonds.
3. As of the date of the Company's 2017 10-K filing, the seven-member federal financial oversight board established by the Puerto Rico Oversight, Management, and Economic Stability Act (PROMESA) has certified a filing under Title III of PROMESA for these credits.
4. As of the date of the Company's 2017 10-K filing, the Company has **not** paid claims on these credits.

### Scheduled Net Par Amortization of Exposure to the Commonwealth and its Agencies<sup>1</sup>

As of December 31, 2017

(\$ in millions)	1Q 2018	2Q 2018	3Q 2018	4Q 2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028- 2032	2033- 2037	2038- 2042	2043- 2047	Total
Commonwealth – GO	\$0	\$0	\$78	\$0	\$87	\$141	\$15	\$37	\$14	\$73	\$68	\$34	\$90	\$215	\$567	\$-	\$-	\$1,419
PBA	-	-	-	-	3	5	13	0	6	0	7	11	40	16	40	-	-	141
<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$78</b>	<b>\$0</b>	<b>\$90</b>	<b>\$146</b>	<b>\$28</b>	<b>\$37</b>	<b>\$20</b>	<b>\$73</b>	<b>\$75</b>	<b>\$45</b>	<b>\$130</b>	<b>\$231</b>	<b>\$607</b>	<b>\$-</b>	<b>\$-</b>	<b>\$1,560</b>
PRHTA (Transportation Revenue)	\$0	\$0	\$38	\$-	\$32	\$25	\$18	\$28	\$34	\$4	\$29	\$24	\$29	\$157	\$279	\$185	\$-	882
PRHTA (Highways Revenue)	-	-	20	-	21	22	35	6	32	33	34	1	-	112	179	-	-	495
PRCCDA	-	-	-	-	-	-	-	-	-	-	-	-	19	24	109	-	-	152
PRIFA	-	-	2	-	-	-	-	-	2	-	-	-	-	-	-	14	-	18
<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$60</b>	<b>\$-</b>	<b>\$53</b>	<b>\$47</b>	<b>\$53</b>	<b>\$34</b>	<b>\$68</b>	<b>\$37</b>	<b>\$63</b>	<b>\$25</b>	<b>\$48</b>	<b>\$293</b>	<b>\$567</b>	<b>\$199</b>	<b>\$-</b>	<b>\$1,547</b>
PREPA	\$-	\$-	\$5	\$-	\$26	\$48	\$28	\$28	\$95	\$93	\$68	\$106	\$105	\$238	\$13	\$-	\$-	\$853
PRASA	-	-	-	-	-	-	-	-	-	2	25	26	28	29	-	2	261	373
MFA	-	-	57	-	55	45	40	40	22	17	17	34	12	21	-	-	-	360
COFINA	0	0	0	0	(1)	(1)	(2)	(2)	1	0	(2)	(2)	(2)	(1)	30	252	2	272
U of PR	-	-	0	-	0	0	0	0	0	0	0	0	0	1	0	-	-	1
<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$62</b>	<b>\$0</b>	<b>\$80</b>	<b>\$92</b>	<b>\$66</b>	<b>\$66</b>	<b>\$118</b>	<b>\$112</b>	<b>\$108</b>	<b>\$164</b>	<b>\$143</b>	<b>\$288</b>	<b>\$43</b>	<b>\$254</b>	<b>\$263</b>	<b>\$1,859</b>
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200</b>	<b>\$0</b>	<b>\$223</b>	<b>\$285</b>	<b>\$147</b>	<b>\$137</b>	<b>\$206</b>	<b>\$222</b>	<b>\$246</b>	<b>\$234</b>	<b>\$321</b>	<b>\$812</b>	<b>\$1,217</b>	<b>\$453</b>	<b>\$263</b>	<b>\$4,966</b>

1. Includes exposure to Capital Appreciation Bonds with a current aggregate net par outstanding of \$26 million and a fully accreted net par at maturity of \$56 million. Of these amounts, current net par of \$20 million and fully accreted net par at maturity of \$50 million relate to COFINA, current net par of \$4 million and fully accreted net par at maturity of \$4 million relate to the PRHTA, and current net par of \$2 million and fully accreted net par at maturity of \$2 million relate to the Commonwealth General Obligation Bonds.

### Scheduled Net Debt Service Amortization of Exposure to the Commonwealth and its Agencies<sup>1</sup>

As of December 31, 2017

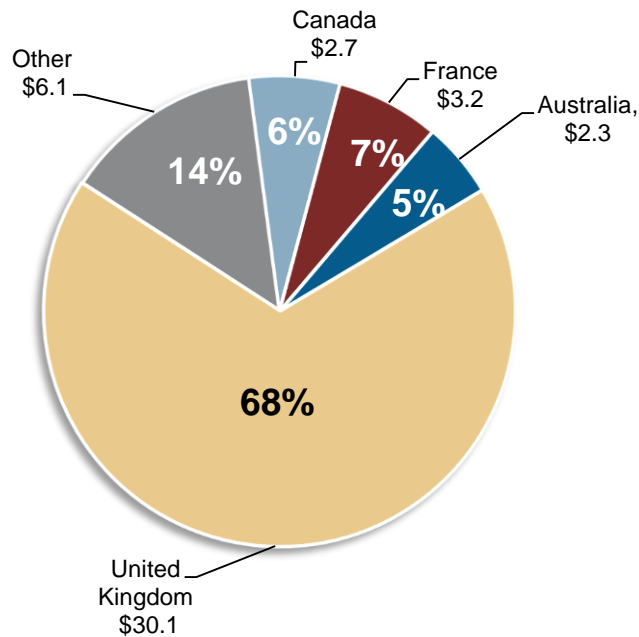
(\$ in millions)	1Q 2018	2Q 2018	3Q 2018	4Q 2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028- 2032	2033- 2037	2038- 2042	2043- 2047	Total
Commonwealth – GO	\$37	\$0	\$114	\$0	\$156	\$206	\$74	\$94	\$71	\$128	\$119	\$82	\$136	\$396	\$649	\$-	\$-	\$2,262
PBA	4	-	4	-	10	12	20	6	13	6	12	17	45	30	45	-	-	224
<b>Subtotal</b>	<b>\$41</b>	<b>\$0</b>	<b>\$118</b>	<b>\$0</b>	<b>\$166</b>	<b>\$218</b>	<b>\$94</b>	<b>\$100</b>	<b>\$84</b>	<b>\$134</b>	<b>\$131</b>	<b>\$99</b>	<b>\$181</b>	<b>\$426</b>	<b>\$694</b>	<b>\$-</b>	<b>\$-</b>	<b>\$2,486</b>
PRHTA (Transportation Revenue)	\$23	\$0	\$61	\$-	\$76	\$67	\$59	\$68	\$72	\$41	\$66	\$59	\$63	\$300	\$372	\$210	\$-	\$1,537
PRHTA (Highways Revenue)	13	-	33	-	47	46	58	27	52	51	51	17	15	182	203	-	-	795
PRCCDA	3	-	3	-	7	7	7	7	7	7	7	7	26	55	121	-	-	264
PRIFA	0	-	2	-	1	1	1	1	2	1	1	1	1	4	3	16	-	35
<b>Subtotal</b>	<b>\$39</b>	<b>\$0</b>	<b>\$99</b>	<b>\$-</b>	<b>\$131</b>	<b>\$121</b>	<b>\$125</b>	<b>\$103</b>	<b>\$133</b>	<b>\$100</b>	<b>\$125</b>	<b>\$84</b>	<b>\$105</b>	<b>\$541</b>	<b>\$699</b>	<b>\$226</b>	<b>\$-</b>	<b>\$2,631</b>
PREPA	\$18	\$3	\$22	\$3	\$65	\$87	\$63	\$62	\$128	\$121	\$91	\$126	\$122	\$273	\$15	\$-	\$-	\$1,199
PRASA	10	-	10	-	19	19	19	19	19	21	44	44	44	99	68	69	314	818
MFA	9	-	67	-	70	58	50	48	28	23	21	37	14	22	-	-	-	447
COFINA	6	0	6	0	13	13	13	13	16	15	13	13	13	74	96	307	2	613
U of PR	0	-	0	-	0	0	0	0	0	0	0	0	0	1	0	-	-	1
<b>Subtotal</b>	<b>\$43</b>	<b>\$3</b>	<b>\$105</b>	<b>\$3</b>	<b>\$167</b>	<b>\$177</b>	<b>\$145</b>	<b>\$142</b>	<b>\$191</b>	<b>\$180</b>	<b>\$169</b>	<b>\$220</b>	<b>\$193</b>	<b>\$469</b>	<b>\$179</b>	<b>\$376</b>	<b>\$316</b>	<b>\$3,078</b>
<b>Total</b>	<b>\$123</b>	<b>\$3</b>	<b>\$322</b>	<b>\$3</b>	<b>\$464</b>	<b>\$516</b>	<b>\$364</b>	<b>\$345</b>	<b>\$408</b>	<b>\$414</b>	<b>\$425</b>	<b>\$403</b>	<b>\$479</b>	<b>\$1,436</b>	<b>\$1,572</b>	<b>\$602</b>	<b>\$316</b>	<b>\$8,195</b>

1. Includes exposure to Capital Appreciation Bonds with a current aggregate net par outstanding of \$26 million and a fully accreted net par at maturity of \$56 million. Of these amounts, current net par of \$20 million and fully accreted net par at maturity of \$50 million relate to COFINA, current net par of \$4 million and fully accreted net par at maturity of \$4 million relate to the PRHTA, and current net par of \$2 million and fully accreted net par at maturity of \$2 million relate to the Commonwealth General Obligation Bonds.



### Non-U.S. Exposure

As of December 31, 2017  
(\$ in billions)



**\$44.3 billion, BBB+ average rating**

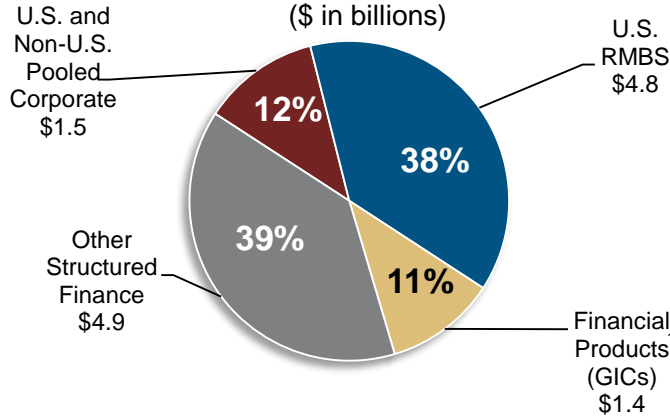
- **97% of non-U.S. exposure is Public Finance**
  - Direct sovereign debt is limited to Poland (\$274 million outstanding)
- **3% of non-U.S. exposure is Structured Finance**

# Structured Finance Exposures

## Net Par Outstanding

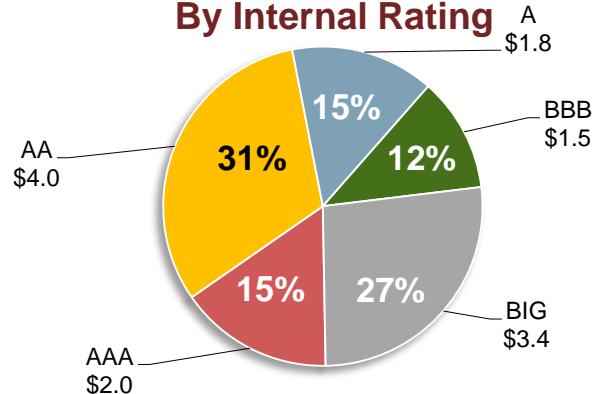
### By Type

As of December 31, 2017  
(\$ in billions)



**\$12.6 billion, A- average rating**

### By Internal Rating



- **Assured Guaranty's total structured finance exposure of \$240.9 billion at December 31, 2007 has declined by \$228.3 billion to \$12.6 billion through December 31, 2017, a 95% reduction**
- **We expect Assured Guaranty's current global structured finance insured portfolio to amortize more rapidly than our public finance portfolio**
  - 11% expected to amortize by the end of 2018 and 23% by the end of 2019
  - Since YE 2016, nearly 50% of our structured finance portfolio has amortized, including 87% of global pooled corporate obligations

1. Assured Guaranty did not acquire Financial Security Assurance Holdings Ltd.'s financial products segment. Assured Guaranty and its subsidiaries are indemnified against exposure to such segment by Dexia. As of December 31, 2017, the aggregate fair market value of the assets supporting the GIC business (disregarding the agreed upon reductions) plus cash and positive derivative value exceeded by nearly \$0.7 billion the aggregate principal amount of all outstanding GICs and certain other business and hedging costs of the GIC business. Even after applying the agreed upon reductions to the fair market value of the assets, the aggregate value of the assets supporting the GIC business plus cash and positive derivative value exceeded the aggregate principal amount of all outstanding GICs and certain other business and hedging costs of the GIC business.

- **Our \$4.8 billion U.S. RMBS portfolio is amortizing both on a dollar basis and as a percentage of the portfolio**

- Total U.S. RMBS has declined from \$29.2 billion at December 31, 2009 to \$4.8 billion at December 31, 2017, a \$24.4 billion or 84% reduction
- U.S. RMBS expected to be reduced by 17% by year-end 2018 and by 66% by year-end 2022
- As of December 31, 2017, U.S. RMBS exposure excludes \$1.1 billion of net par related to loss mitigation strategies, including loss mitigation securities held in the investment portfolio

- **Our loss reserving methodology is driven by our assumptions on several factors:**

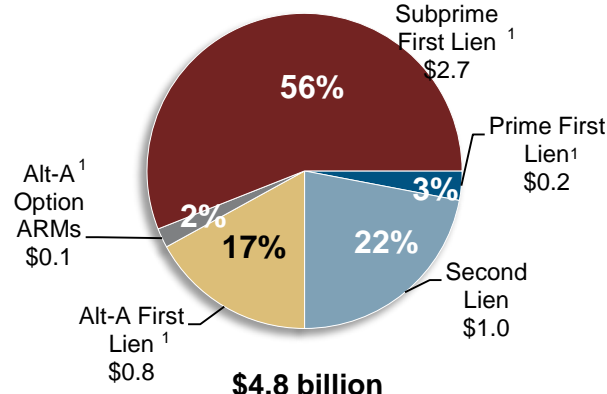
- Liquidation rates
- Conditional default rates
- Conditional prepayment rates
- Loss severity

- **We have significantly mitigated ultimate losses**

- R&W putbacks, litigation and agreements
- Wrapped bond purchases
- Termination of insurance on BIG credits

## U.S. RMBS by Exposure Type

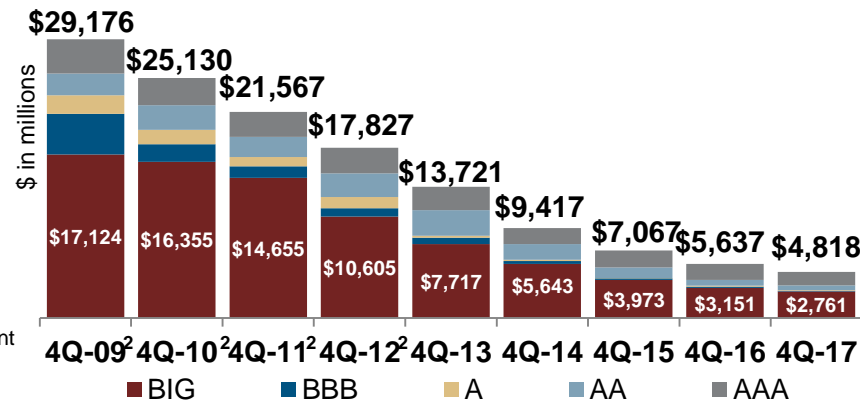
As of December 31, 2017  
(\$ in billions)



**\$4.8 billion**  
(1.8% of total net par outstanding)

## U.S. RMBS by Rating

Net Par Outstanding from December 31, 2009 to December 31, 2017



1. The Company has reclassified certain net par outstanding from below investment grade to investment grade due to collateralized reinsurance arrangements.

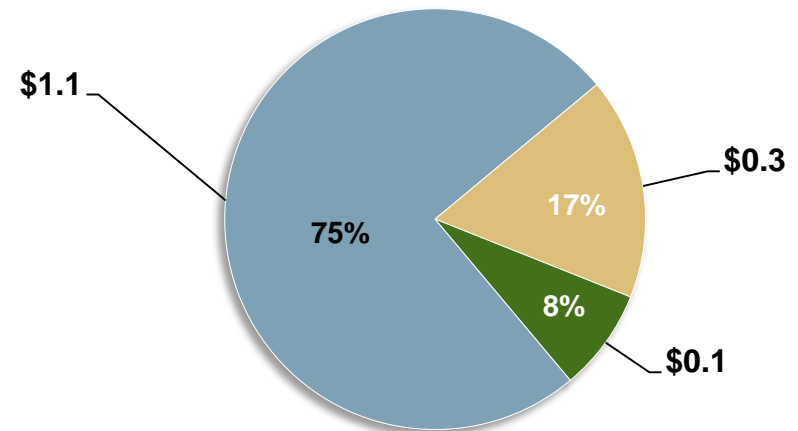
2. Gross of wrapped bond purchases made primarily for loss mitigation

# Direct Pooled Corporate Obligations Exposures

- **During 2017, the entire \$9.2 billion of the Company's remaining exposure to synthetic investment grade pooled corporate transactions and CBO/CLO transactions reached its final maturity dates, and paid off with no unreimbursed claims**
- **Most of our direct pooled corporate exposure is highly rated and well protected**
  - 60% rated AA or better
  - Average credit enhancement of 53%
  - Global pooled corporate obligations expected to be reduced by 21% by year-end 2022
- **A majority of our direct pooled corporate exposures is comprised of \$1.3 billion of Trust Preferred Securities (TruPS) CDO exposure, which is diversified by region and collateral type**
  - Includes more than 1,000 underlying issuers
  - All our exposure at the CDO level is to the most senior debt tranche
  - Weighted average rating of A, weighted average adjusted current credit enhancement<sup>2</sup> of 53%

## Direct Pooled Corporate Obligations By Asset Class<sup>1</sup>

As of December 31, 2017



■ TruPS - Banks and insurance

■ TruPS - U.S. mortgage and REITs

■ Other pooled corporates

**\$1.5 billion, A average rating**

1. CLOs are collateralized loan obligations. CBOs are collateralized bond obligations.  
2. Adjusted current CE is the amount of collateral par above senior liabilities (and shown as a percentage of total collateral) with adjustments made for restructured collateral (to reflect expected reduced cashflow) and for non-performing collateral; U.S. Mortgage & Real Estate TruPS CDOs also include an adjustment to reflect overhedging and outstanding hedge termination payments obligations. Some asset classes may not have subordinated tranches so they are excluded from the weighted averages.

# Below Investment Grade Exposures

## Net Par Outstanding by BIG Category<sup>1</sup>



### Financial Guaranty Insurance and Credit Derivatives Surveillance Categories

- As of December 31, 2017, approximately \$4.5 billion (37%) of the aggregate BIG exposure was Category 1, which are transactions that show sufficient deterioration to make future losses possible but for which none are currently expected

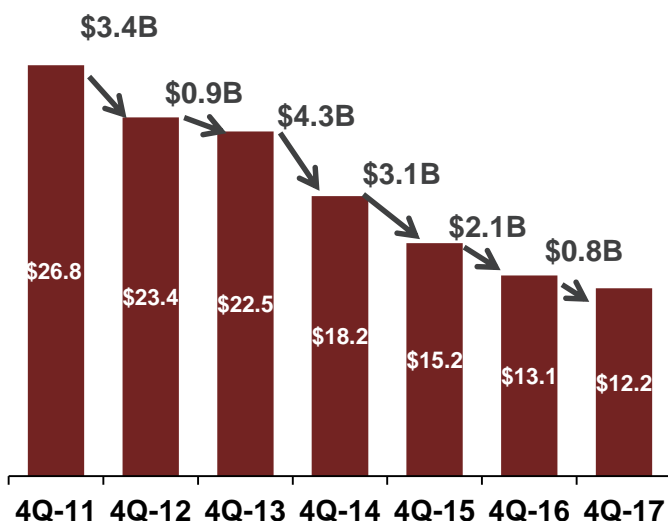
(\$ millions)	December 31, 2017	December 31, 2016
<b>Category 1</b>		
U.S. public finance	\$2,368	\$2,403
Non-U.S. public finance	1,455	1,288
U.S. structured finance	603	594
Non-U.S. structured finance	102	210
Total Category 1	\$4,528	\$4,495
<b>Category 2</b>		
U.S. public finance	\$663	\$3,122
Non-U.S. public finance	276	54
U.S. structured finance	418	800
Non-U.S. structured finance	4	83
Total Category 2	\$1,361	\$4,059
<b>Category 3</b>		
U.S. public finance	\$4,109	\$1,855
Non-U.S. public finance	-	-
U.S. structured finance	2,240	2,665
Non-U.S. structured finance	-	-
Total Category 3	\$6,349	\$4,520
<b>BIG Total</b>	<b>\$12,238</b>	<b>\$13,074</b>

1. Assured Guaranty's surveillance department is responsible for monitoring our portfolio of credits and maintains a list of BIG credits. BIG Category 1: Below-investment-grade transactions showing sufficient deterioration to make future losses possible, but for which none are currently expected. BIG Category 2: Below-investment-grade transactions for which future losses are expected but for which no claims (other than liquidity claims, which are claims that the Company expects to be reimbursed within one year) have yet been paid. BIG Category 3: Below-investment-grade transactions for which future losses are expected and on which claims (other than liquidity claims) have been paid.

# BIG Exposure Decline

- Since 4Q-11, BIG net par outstanding has declined by \$15 billion<sup>1</sup>
- The acquisition of MBIA UK and 2017 reassumptions increased BIG net par outstanding by \$789 million and \$702 million, respectively
- The largest components of our BIG exposure are Puerto Rico at 41% and U.S. RMBS at 23%

**BIG Net Par Outstanding**  
(\$ in billions)



**Changes in BIG Net Par Outstanding**

(\$ in millions)	Full Year 2012	Full Year 2013	Full Year 2014	Full Year 2015	Full Year 2016	Full Year 2017
<b>Beginning BIG par</b>	<b>\$26,762</b>	<b>\$23,392</b>	<b>\$22,537</b>	<b>\$18,247</b>	<b>\$15,183</b>	<b>\$13,074</b>
Amortization / Claim Payments	(2,597)	(2,660)	(2,126)	(1,801)	(1,901)	(1,986)
R&W RMBS Settlement Reclassifications	(1,782)	(531)	-	-	-	-
FX Change	48	(98)	(185)	(153)	(42)	217
Terminations	-	(452)	(922)	(1,951)	(600)	(326)
Removals / Upgrades	(711)	(1,346)	(1,003)	(2,983)	(505)	(809)
Additions <sup>1</sup> / Downgrades	1,672	5,746	261	4,234	1,182	2,136
Adjustments <sup>2</sup>	-	(1,513)	(315)	(411)	(242)	(68)
<b>Total Decrease / Increase</b>	<b>(3,370)</b>	<b>(854)</b>	<b>(4,290)</b>	<b>(3,065)</b>	<b>(2,108)</b>	<b>(836)</b>
<b>Ending BIG par</b>	<b>\$23,392</b>	<b>\$22,537</b>	<b>\$18,247</b>	<b>\$15,183</b>	<b>\$13,074</b>	<b>\$12,238</b>

1. Additions include increases due to acquisitions and reassumptions.

2. Adjustments include movement due to reclassification of internal ratings due to reinsurance agreements or arrangements, benefits from the loss mitigation bond purchase program or representations and warranty settlements as well as legal defeasance.

# BIG Exposures > \$250 Million

(dollars in millions)

## BIG Exposures Greater Than \$250 Million as of December 31, 2017

<u>Type<sup>1</sup></u>	<u>Name or Description</u>	<u>Net Par Outstanding</u>	<u>Internal Rating</u>
PF	Puerto Rico General Obligation, Appropriations and Guarantees of the Commonwealth	\$ 1,578	CCC-
PF	Puerto Rico Highways and Transportation Authority	1,377	CC-
PF	Puerto Rico Electric Power Authority	853	CC
PF	Coventry & Rugby Hospital Company	572	BB+
PF	Puerto Rico Aqueduct & Sewer Authority	373	CCC
PF	Puerto Rico Municipal Finance Agency	360	CCC-
PF	Oyster Bay, New York	342	BB+
PF	Hartford, Connecticut	339	B
PF	Valencia Fair	337	BB-
PF	Puerto Rico Sales Tax Financing Corporation	272	CCC+
	<b>Total</b>	<b>\$6,403</b>	

1. "PF" signifies a public finance transaction and "SF" signifies a structured finance transaction, if applicable.

A photograph showing three construction workers on a construction site. They are standing on a grid of steel reinforcement bars (rebar) laid out on a wooden formwork. The workers are wearing white hard hats and safety glasses. One worker is wearing a white shirt and blue pants, another is wearing a yellow shirt and dark pants, and the third is wearing a white shirt and blue pants. They appear to be inspecting or working on the rebar grid. The background shows more of the construction site with wooden formwork and rebar structures.

Appendix



# Appendix

## Explanation of Non-GAAP Financial Measures



To reflect the key financial measures that management analyzes in evaluating the Company's operations and progress towards long-term goals, the Company discloses both financial measures determined in accordance with GAAP and financial measures not determined in accordance with GAAP (non-GAAP financial measures).

Financial measures identified as non-GAAP should not be considered substitutes for GAAP financial measures. The primary limitation of non-GAAP financial measures is the potential lack of comparability to financial measures of other companies, whose definitions of non-GAAP financial measures may differ from those of Assured Guaranty. By disclosing non-GAAP financial measures, the Company gives investors, analysts and financial news reporters access to information that management and the Board of Directors review internally. Assured Guaranty believes its presentation of non-GAAP financial measures, along with the effect of FG VIE consolidation, provides information that is necessary for analysts to calculate their estimates of Assured Guaranty's financial results in their research reports on Assured Guaranty and for investors, analysts and the financial news media to evaluate Assured Guaranty's financial results.

GAAP requires the Company to consolidate certain VIEs that have issued debt obligations insured by the Company. However, the Company does not own such VIEs and its exposure is limited to its obligation under its financial guaranty insurance contract. Management and the Board of Directors use non-GAAP financial measures adjusted to remove FG VIE consolidation (which the Company refers to as its core financial measures), as well as GAAP financial measures and other factors, to evaluate the Company's results of operations, financial condition and progress towards long-term goals. The Company uses these core financial measures in its decision making process and in its calculation of certain components of management compensation. Wherever possible, the Company has separately disclosed the effect of FG VIE consolidation.

Many investors, analysts and financial news reporters use non-GAAP operating shareholders' equity, adjusted to remove the effect of FG VIE consolidation, as the principal financial measure for valuing AGL's current share price or projected share price and also as the basis of their decision to recommend, buy or sell AGL's common shares. Many of the Company's fixed income investors also use this measure to evaluate the Company's capital adequacy.

Many investors, analysts and financial news reporters also use non-GAAP adjusted book value, adjusted to remove the effect of FG VIE consolidation, to evaluate AGL's share price and as the basis of their decision to recommend, buy or sell the AGL common shares. Non-GAAP operating income adjusted for the effect of FG VIE consolidation enables investors and analysts to evaluate the Company's financial results in comparison with the consensus analyst estimates distributed publicly by financial databases.

The core financial measures that the Company uses to help determine compensation are: (1) non-GAAP operating income, adjusted to remove the effect of FG VIE consolidation, (2) non-GAAP operating shareholders' equity, adjusted to remove the effect of FG VIE consolidation, (3) growth in non-GAAP adjusted book value per share, adjusted to remove the effect of FG VIE consolidation, and (4) PVP.

The following paragraphs define each non-GAAP financial measure disclosed by the Company and describe why it is useful. To the extent there is a directly comparable GAAP financial measure, a reconciliation of the non-GAAP financial measure and the most directly comparable GAAP financial measure is presented below.

# Appendix

## Explanation of Non-GAAP Financial Measures



**Non-GAAP operating income:** Management believes that non-GAAP operating income is a useful measure because it clarifies the understanding of the underwriting results and financial condition of the Company and presents the results of operations of the Company excluding the fair value adjustments on credit derivatives and CCS that are not expected to result in economic gain or loss, as well as other adjustments described below. Management adjusts non-GAAP operating income further by removing FG VIE consolidation to arrive at its core operating income measure. Non-GAAP operating income is defined as net income (loss) attributable to AGL, as reported under GAAP, adjusted for the following:

- 1) Elimination of realized gains (losses) on the Company's investments, except for gains and losses on securities classified as trading. The timing of realized gains and losses, which depends largely on market credit cycles, can vary considerably across periods. The timing of sales is largely subject to the Company's discretion and influenced by market opportunities, as well as the Company's tax and capital profile.
- 2) Elimination of non-credit-impairment unrealized fair value gains (losses) on credit derivatives, which is the amount of unrealized fair value gains (losses) in excess of the present value of the expected estimated economic credit losses, and non-economic payments. Such fair value adjustments are heavily affected by, and in part fluctuate with, changes in market interest rates, the Company's credit spreads, and other market factors and are not expected to result in an economic gain or loss.
- 3) Elimination of fair value gains (losses) on the Company's CCS. Such amounts are affected by changes in market interest rates, the Company's credit spreads, price indications on the Company's publicly traded debt, and other market factors and are not expected to result in an economic gain or loss.
- 4) Elimination of foreign exchange gains (losses) on remeasurement of net premium receivables and loss and LAE reserves. Long-dated receivables and loss and LAE reserves represent the present value of future contractual or expected cash flows. Therefore, the current period's foreign exchange remeasurement gains (losses) are not necessarily indicative of the total foreign exchange gains (losses) that the Company will ultimately recognize.
- 5) Elimination of the tax effects related to the above adjustments, which are determined by applying the statutory tax rate in each of the jurisdictions that generate these adjustments.

**Non-GAAP Operating Shareholders' Equity and Non-GAAP Adjusted Book Value:** Management believes that non-GAAP operating shareholders' equity is a useful measure because it presents the equity of the Company excluding the fair value adjustments on investments, credit derivatives and CCS, that are not expected to result in economic gain or loss, along with other adjustments described below. Management adjusts non-GAAP operating shareholders' equity further by removing FG VIE consolidation to arrive at its core operating shareholders' equity and core adjusted book value.

Non-GAAP operating shareholders' equity is the basis of the calculation of non-GAAP adjusted book value (see below). Non-GAAP operating shareholders' equity is defined as shareholders' equity attributable to AGL, as reported under GAAP, adjusted for the following:

- 1) Elimination of non-credit-impairment unrealized fair value gains (losses) on credit derivatives, which is the amount of unrealized fair value gains (losses) in excess of the present value of the expected estimated economic credit losses, and non-economic payments. Such fair value adjustments are heavily affected by, and in part fluctuate with, changes in market interest rates, credit spreads and other market factors and are not expected to result in an economic gain or loss.
- 2) Elimination of fair value gains (losses) on the Company's CCS. Such amounts are affected by changes in market interest rates, the Company's credit spreads, price indications on the Company's publicly traded debt, and other market factors and are not expected to result in an economic gain or loss.
- 3) Elimination of unrealized gains (losses) on the Company's investments that are recorded as a component of AOCI (excluding foreign exchange remeasurement). The AOCI component of the fair value adjustment on the investment portfolio is not deemed economic because the Company generally holds these investments to maturity and therefore should not recognize an economic gain or loss.
- 4) Elimination of the tax effects related to the above adjustments, which are determined by applying the statutory tax rate in each of the jurisdictions that generate these adjustments.

# Appendix

## Explanation of Non-GAAP Financial Measures (Cont'd)



Management uses non-GAAP adjusted book value, adjusted for FG VIE consolidation, to measure the intrinsic value of the Company, excluding franchise value. Growth in non-GAAP adjusted book value per share, adjusted for FG VIE consolidation (core adjusted book value), is one of the key financial measures used in determining the amount of certain long-term compensation elements to management and employees and used by rating agencies and investors. Management believes that non-GAAP adjusted book value is a useful measure because it enables an evaluation of the Company's in-force premiums and revenues net of expected losses. Non-GAAP adjusted book value is non-GAAP operating shareholders' equity, as defined above, further adjusted for the following:

- 1) Elimination of deferred acquisition costs, net. These amounts represent net deferred expenses that have already been paid or accrued and will be expensed in future accounting periods.
- 2) Addition of the net present value of estimated net future revenue on non-financial guaranty contracts. See below.
- 3) Addition of the deferred premium revenue on financial guaranty contracts in excess of expected loss to be expensed, net of reinsurance. This amount represents the expected future net earned premiums, net of expected losses to be expensed, which are not reflected in GAAP equity.
- 4) Elimination of the tax asset or liability related to the above adjustments, which are determined by applying the statutory tax rate in each of the jurisdictions that generate these adjustments.

The unearned premiums and revenues included in non-GAAP adjusted book value will be earned in future periods, but actual earnings may differ materially from the estimated amounts used in determining current non-GAAP adjusted book value due to changes in foreign exchange rates, prepayment speeds, terminations, credit defaults and other factors.

**Non-GAAP Operating Return on Equity (Non-GAAP Operating ROE):** Non-GAAP operating ROE represents non-GAAP operating income for a specified period divided by the average of non-GAAP operating shareholders' equity at the beginning and the end of that period. Management believes that non-GAAP operating ROE is a useful measure to evaluate the Company's return on invested capital. Many investors, analysts and members of the financial news media use non-GAAP operating ROE, adjusted for FG VIE consolidation, to evaluate AGL's share price and as the basis of their decision to recommend, buy or sell the AGL common shares. Quarterly and year-to-date non-GAAP operating ROE are calculated on an annualized basis. Non-GAAP operating ROE, adjusted for FG VIE consolidation, is one of the key management financial measures used in determining the amount of certain long-term compensation to management and employees and used by rating agencies and investors.

**Net Present Value of Estimated Net Future Revenue:** Management believes that this amount is a useful measure because it enables an evaluation of the value of future estimated revenue for non-financial guaranty insurance contracts. There is no corresponding GAAP financial measure. This amount represents the present value of estimated future revenue from the Company's non-financial guaranty insurance contracts, net of reinsurance, ceding commissions and premium taxes, for contracts without expected economic losses, and is discounted at 6%. Estimated net future revenue may change from period to period due to changes in foreign exchange rates, prepayment speeds, terminations, credit defaults or other factors that affect par outstanding or the ultimate maturity of an obligation.

**PVP or Present Value of New Business Production:** Management believes that PVP is a useful measure because it enables the evaluation of the value of new business production for the Company by taking into account the value of estimated future installment premiums on all new contracts underwritten in a reporting period as well as premium supplements and additional installment premium on existing contracts as to which the issuer has the right to call the insured obligation but has not exercised such right, whether in insurance or credit derivative contract form, which management believes GAAP gross written premiums and the net credit derivative premiums received and receivable portion of net realized gains and other settlements on credit derivatives (Credit Derivative Realized Gains (Losses)) do not adequately measure. PVP in respect of contracts written in a specified period is defined as gross upfront and installment premiums received and the present value of gross estimated future installment premiums, discounted, in each case, at 6%. Under GAAP, financial guaranty installment premiums are discounted at a risk free rate. Additionally, under GAAP, management records future installment premiums on financial guaranty insurance contracts covering non-homogeneous pools of assets based on the contractual term of the transaction, whereas for PVP purposes, management records an estimate of the future installment premiums the Company expects to receive, which may be based upon a shorter period of time than the contractual term of the transaction. Actual future earned or written premiums and Credit Derivative Realized Gains (Losses) may differ from PVP due to factors including, but not limited to, changes in foreign exchange rates, prepayment speeds, terminations, credit defaults, or other factors that affect par outstanding or the ultimate maturity of an obligation.

# Appendix

## Reconciliation of Gross Written Premiums (GWP) to PVP<sup>1</sup>



### Reconciliation of GWP to PVP

(dollars in millions)

	Three Months Ended				Year Ended December 31,				
	Dec 31, 2017	Sep 30, 2017	Jun 30, 2017	Mar 31, 2017	2017	2016	2015	2014	2013
Total GWP	\$72	\$45	\$79	\$111	\$307	\$154	\$181	\$104	\$123
Less: Intallment GWP and other GAAP adjustments	9	10	25	55	99	(10)	55	(22)	8
Upfront GWP	63	35	54	56	208	164	126	126	115
Plus: Installment premium PVP	14	8	16	43	81	50	53	42	26
Total PVP	\$77	\$43	\$70	\$99	\$289	\$214	\$179	\$168	\$141

### PVP:

	Dec 31, 2017	Sep 30, 2017	Jun 30, 2017	Mar 31, 2017	2017	2016	2015	2014	2013
Public Finance - U.S.	\$59	\$39	\$46	\$52	\$196	\$161	\$124	\$128	\$116
Public Finance - non-U.S.	8	4	14	40	66	25	27	7	18
Structured Finance - U.S.	7	0	0	5	12	27	22	24	7
Structured Finance - non-U.S.	3	-	10	2	15	1	6	9	-
Total PVP	\$77	\$43	\$70	\$99	\$289	\$214	\$179	\$168	\$141

1. Includes present value of new business on installment policies discounted at the prescribed GAAP discount rates, gross written premium adjustments on existing installment policies due to changes in assumptions, any cancellations of assumed reinsurance contracts, and other GAAP adjustments.

# Appendix

## Reconciliation of Net Income (Loss) to Non-GAAP Operating Income<sup>1</sup>



### Non-GAAP Operating Income Reconciliation

(dollars in millions, except per share amounts)

	Three Months Ended December 31,				Year-Ended December 31,			
	2017		2016		2017		2016	
	Total	Per Diluted Share	Total	Per Diluted Share	Total	Per Diluted Share	Total	Per Diluted Share
<b>Net income (loss)</b>	<b>\$52</b>	<b>\$0.44</b>	<b>\$197</b>	<b>\$1.49</b>	<b>\$730</b>	<b>\$5.96</b>	<b>\$881</b>	<b>\$6.56</b>
Less pre-tax adjustments:								
Realized gains (losses) on investments	(14)	(0.12)	(24)	(0.18)	40	0.33	(30)	(0.23)
Non-credit impairment unrealized fair value gains (losses) on credit derivatives	(17)	(0.14)	68	0.52	43	0.35	36	0.27
Fair value gains (losses) on CCS	2	0.01	50	0.38	(2)	(0.02)	0	0.00
Foreign exchange gains (losses) on remeasurement of premiums receivable and loss and LAE reserves	8	0.07	(12)	(0.09)	57	0.46	(33)	(0.25)
Total pre-tax adjustments	(21)	(0.18)	82	0.63	138	1.12	(27)	(0.21)
Less tax effect on pre-tax adjustments	(18)	(0.15)	(24)	(0.19)	(69)	(0.57)	13	0.09
Non-GAAP Operating income	<u>\$91</u>	<u>\$0.77</u>	<u>\$139</u>	<u>\$1.05</u>	<u>\$661</u>	<u>\$5.41</u>	<u>\$895</u>	<u>\$6.68</u>
Gain (loss) related to FG VIE consolidation included in non-GAAP operating income	<u>\$2</u>	<u>\$0.02</u>	<u>\$16</u>	<u>\$0.12</u>	<u>\$11</u>	<u>\$0.10</u>	<u>\$12</u>	<u>\$0.10</u>

1. For an explanation of operating income, a non-GAAP financial measure, please refer to the preceding pages of the Appendix. The prior-year non-GAAP financial measures have been updated to reflect the revised calculation as discussed in "Explanation of Non-GAAP Financial Measures."

# Appendix

## Reconciliation of Net Income (Loss) to Non-GAAP Operating Income<sup>1</sup> (2004-2017)



Non-GAAP Operating income reconciliation (dollars in millions, except per share amounts)	Year Ended December 31,													
	2017		2016		2015		2014		2013		2012		2011	
	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share
<b>Net income (loss) attributable to AGL</b>	\$730	\$5.96	\$881	\$6.56	\$1,056	\$7.08	\$1,088	\$6.26	\$808	\$4.30	\$110	\$0.57	\$773	\$4.16
Less pre-tax adjustments:														
Realized gains (losses) on investments	40	0.33	(30)	(0.23)	(27)	(0.18)	(56)	(0.32)	56	0.30	(3)	(0.02)	(18)	(0.10)
Non-credit impairment unrealized fair value gains (losses) on credit derivatives	43	0.35	36	0.27	505	3.39	687	3.95	(49)	(0.26)	(672)	(3.53)	344	1.85
Fair value gains (losses) on committed capital securities (CCS)	(2)	(0.02)	0	0.00	27	0.18	(11)	(0.06)	10	0.05	(18)	(0.09)	35	0.19
Foreign exchange gains (losses) on remeasurement of premiums receivable and loss and loss adjustment expense (LAE) reserves	57	0.46	(33)	(0.25)	(15)	(0.10)	(21)	(0.12)	(1)	(0.01)	21	0.11	(5)	(0.03)
<b>Total pre-tax adjustments</b>	<b>138</b>	<b>1.12</b>	<b>(27)</b>	<b>(0.21)</b>	<b>490</b>	<b>3.29</b>	<b>599</b>	<b>3.45</b>	<b>16</b>	<b>0.08</b>	<b>(672)</b>	<b>(3.53)</b>	<b>356</b>	<b>1.91</b>
Less tax effect on pre-tax adjustments	(69)	(0.57)	13	0.09	(144)	(0.97)	(158)	(0.92)	(9)	(0.06)	188	1.00	(104)	(0.56)
<b>Non-GAAP Operating income</b>	<b>\$661</b>	<b>\$5.41</b>	<b>\$895</b>	<b>\$6.68</b>	<b>\$710</b>	<b>\$4.76</b>	<b>\$647</b>	<b>\$3.73</b>	<b>\$801</b>	<b>\$4.28</b>	<b>\$594</b>	<b>\$3.10</b>	<b>\$521</b>	<b>\$2.81</b>
Gain (loss) related to FG VIE consolidation included in non-GAAP operating income	\$11	\$0.10	\$12	\$0.10	\$11	\$0.07	\$156	\$0.90	\$192	\$1.03	\$59	\$0.29	(\$80)	(\$0.43)

Non-GAAP Operating income reconciliation (dollars in millions, except per share amounts)	Year Ended December 31,													
	2010		2009		2008		2007		2006		2005		2004	
	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share
<b>Net income (loss) attributable to AGL</b>	\$484	\$2.56	\$82	\$0.63	\$60	\$0.67	(\$303)	(\$4.46)	\$160	\$2.15	\$188	\$2.53	\$183	\$2.44
Less pre-tax adjustments:														
Realized gains (losses) on investments	(1)	(0.01)	(33)	(0.26)	(70)	(0.79)	(1)	(0.01)	(2)	(0.03)	2	0.03	8	0.11
Non-credit impairment unrealized fair value gains (losses) on credit derivatives	6	0.03	(106)	(0.82)	82	0.92	(667)	(9.63)	6	0.08	(4)	(0.05)	51	0.68
Fair value gains (losses) on committed capital securities (CCS)	9	0.05	(123)	(0.95)	43	0.48	8	0.12	-	-	-	-	-	-
Foreign exchange gains (losses) on remeasurement of premiums receivable and loss and loss adjustment expense (LAE) reserves	(29)	(0.15)	27	0.21	-	-	-	-	-	-	-	-	-	-
<b>Total pre-tax adjustments</b>	<b>(15)</b>	<b>(0.08)</b>	<b>(235)</b>	<b>(1.82)</b>	<b>55</b>	<b>0.61</b>	<b>(660)</b>	<b>(9.52)</b>	<b>4</b>	<b>0.05</b>	<b>(2)</b>	<b>(0.02)</b>	<b>59</b>	<b>0.79</b>
Less tax effect on pre-tax adjustments	11	0.06	62	0.48	(60)	(0.67)	179	2.58	(1)	(0.02)	0	0.00	(17)	(0.23)
<b>Non-GAAP Operating income</b>	<b>\$488</b>	<b>\$2.58</b>	<b>\$255</b>	<b>\$1.97</b>	<b>\$65</b>	<b>\$0.73</b>	<b>\$178</b>	<b>\$2.57</b>	<b>\$157</b>	<b>\$2.12</b>	<b>\$190</b>	<b>\$2.55</b>	<b>\$141</b>	<b>\$1.88</b>
Gain (loss) related to FG VIE consolidation included in non-GAAP operating income	(\$167)	(\$0.88)												

1. For an explanation of operating income, a non-GAAP financial measure, please refer to the preceding pages of the Appendix. The prior-year non-GAAP financial measures have been updated to reflect the revised calculation as discussed in "Explanation of Non-GAAP Financial Measures."

# Appendix

## Reconciliation of Shareholders' Equity to Non-GAAP Adjusted Book Value<sup>1</sup> (2004-2010)



### Non-GAAP Adjusted book value reconciliation

(dollars in millions, except per share amounts)

	2Q 2004		2004		2005		2006		2007		2008		2009		2010	
	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share
<b>Reconciliation of shareholders' equity to non-GAAP adjusted book value:</b>																
<b>Shareholders' equity</b>	<b>\$1,422</b>	<b>\$18.73</b>	<b>\$1,528</b>	<b>\$20.19</b>	<b>\$1,662</b>	<b>\$22.22</b>	<b>\$1,651</b>	<b>\$24.44</b>	<b>\$1,625</b>	<b>\$20.33</b>	<b>\$1,876</b>	<b>\$20.62</b>	<b>\$3,455</b>	<b>\$18.76</b>	<b>\$3,670</b>	<b>\$19.97</b>
Less pre-tax adjustments:																
Non-credit impairment unrealized fair value gains (losses) on credit derivatives	13	0.17	44	0.58	40	0.54	46	0.68	(621)	(7.76)	(539)	(5.93)	(1,049)	(5.70)	(1,044)	(5.68)
Fair value gains (losses) on CCS	0	0.00	0	0.00	0	0.00	0	0.00	8	0.10	51	0.56	10	0.05	19	0.10
Unrealized gain (loss) on investment portfolio excluding foreign exchange effect	56	0.73	93	1.23	53	0.71	46	0.68	61	0.76	(7)	(0.08)	202	1.10	114	0.62
Less Taxes	(19)	(0.25)	(38)	(0.50)	(29)	(0.40)	(30)	(0.45)	148	1.86	102	1.13	216	1.17	262	1.42
Non-GAAP operating shareholders' equity	1,372	18.08	1,429	18.88	1,598	21.37	1,589	23.53	2,029	25.37	2,269	24.94	4,076	22.14	4,319	23.51
Pre-tax adjustments:																
Less: Deferred acquisition costs	183	2.41	186	2.46	193	2.58	217	3.21	201	2.51	216	2.37	162	0.88	145	0.79
Plus: Net present value of estimated net future credit derivative revenue	403	5.31	468	6.18	426	5.70	589	8.72	930	11.63	929	10.21	755	4.10	614	3.34
Plus: Net unearned premium reserve on financial guaranty contracts in excess of expected loss to be expensed	501	6.60	496	6.55	516	6.90	626	9.27	875	10.95	1,215	13.36	6,195	33.64	5,439	29.60
Plus Taxes	(232)	(3.07)	(234)	(3.09)	(138)	(1.85)	(179)	(2.65)	(283)	(3.54)	(379)	(4.17)	(1,977)	(10.74)	(1,677)	(9.12)
Non-GAAP Adjusted book value	<u>\$1,861</u>	<u>\$24.51</u>	<u>\$1,973</u>	<u>\$26.06</u>	<u>\$2,209</u>	<u>\$29.54</u>	<u>\$2,408</u>	<u>\$35.66</u>	<u>\$3,350</u>	<u>\$41.90</u>	<u>\$3,818</u>	<u>\$41.97</u>	<u>\$8,887</u>	<u>\$48.26</u>	<u>\$8,550</u>	<u>\$46.54</u>

Gain (loss) related to FG VIE consolidation included in non-GAAP operating shareholders' equity

(\$372) (\$2.02)

Gain (loss) related to FG VIE consolidation included in non-GAAP adjusted book value

(\$439) (\$2.38)

1. For an explanation of adjusted book value, a non-GAAP financial measure, please refer to the preceding pages of the Appendix. The prior-year non-GAAP financial measures have been updated to reflect the revised calculation as discussed in "Explanation of Non-GAAP Financial Measures."

# Appendix

## Reconciliation of Shareholders' Equity to Non-GAAP Adjusted Book Value<sup>1</sup> (2011-2017)



### Non-GAAP Adjusted book value reconciliation

(dollars in millions, except per share amounts)

	2011		2012		2013		2014		2015		2016		2017	
	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share
<b>Reconciliation of shareholders' equity to non-GAAP adjusted book value:</b>														
<b>Shareholders' equity</b>	<b>\$4,652</b>	<b>\$25.52</b>	<b>\$4,994</b>	<b>\$25.74</b>	<b>\$5,115</b>	<b>\$28.07</b>	<b>\$5,758</b>	<b>\$36.37</b>	<b>\$6,063</b>	<b>\$43.96</b>	<b>\$6,504</b>	<b>\$50.82</b>	<b>\$6,839</b>	<b>\$58.95</b>
Less pre-tax adjustments:														
Non-credit impairment unrealized fair value gains (losses) on credit derivatives	(668)	(3.67)	(1,346)	(6.94)	(1,447)	(7.94)	(741)	(4.68)	(241)	(1.75)	(189)	(1.48)	(146)	(1.26)
Fair value gains (losses) on CCS	54	0.30	35	0.18	46	0.25	35	0.22	62	0.45	62	0.48	60	0.52
Unrealized gain (loss) on investment portfolio excluding foreign exchange effect	488	2.68	708	3.65	236	1.29	523	3.30	373	2.71	316	2.47	487	4.20
Less Taxes	21	0.11	150	0.77	306	1.68	45	0.29	(56)	(0.41)	(71)	(0.54)	(83)	(0.71)
Non-GAAP operating shareholders' equity	4,757	26.10	5,447	28.08	5,974	32.79	5,896	37.24	5,925	42.96	6,386	49.89	6,521	56.20
Pre-tax adjustments:														
Less: Deferred acquisition costs	132	0.73	116	0.60	124	0.68	121	0.76	114	0.83	106	0.83	101	0.87
Plus: Net present value of estimated net future credit derivative revenue	434	2.38	317	1.63	214	1.17	159	1.00	169	1.23	136	1.07	146	1.26
Plus: Net unearned premium reserve on financial guaranty contracts in excess of expected loss to be expensed	4,790	26.28	4,301	22.17	3,791	20.81	3,461	21.86	3,384	24.53	2,922	22.83	2,966	25.56
Plus Taxes	(1,426)	(7.81)	(1,250)	(6.44)	(1,070)	(5.87)	(960)	(6.07)	(968)	(7.02)	(832)	(6.50)	(512)	(4.41)
Non-GAAP Adjusted book value	<u>\$8,423</u>	<u>\$46.22</u>	<u>\$8,699</u>	<u>\$44.84</u>	<u>\$8,785</u>	<u>\$48.22</u>	<u>\$8,435</u>	<u>\$53.27</u>	<u>\$8,396</u>	<u>\$60.87</u>	<u>\$8,506</u>	<u>\$66.46</u>	<u>\$9,020</u>	<u>\$77.74</u>
Gain (loss) related to FG VIE consolidation included in non-GAAP operating shareholders' equity	<u>(\$444)</u>	<u>(\$2.44)</u>	<u>(\$383)</u>	<u>(\$1.97)</u>	<u>(\$190)</u>	<u>(\$1.04)</u>	<u>(\$37)</u>	<u>(\$0.24)</u>	<u>(\$21)</u>	<u>(\$0.15)</u>	<u>(\$7)</u>	<u>(\$0.06)</u>	<u>\$5</u>	<u>\$0.03</u>
Gain (loss) related to FG VIE consolidation included in non-GAAP adjusted book value	<u>(\$564)</u>	<u>(\$3.10)</u>	<u>(\$452)</u>	<u>(\$2.33)</u>	<u>(\$248)</u>	<u>(\$1.36)</u>	<u>(\$60)</u>	<u>(\$0.39)</u>	<u>(\$43)</u>	<u>(\$0.31)</u>	<u>(\$24)</u>	<u>(\$0.18)</u>	<u>(\$14)</u>	<u>(\$0.12)</u>

1. For an explanation of adjusted book value, a non-GAAP financial measure, please refer to the preceding pages of the Appendix. The prior-year non-GAAP financial measures have been updated to reflect the revised calculation as discussed in "Explanation of Non-GAAP Financial Measures."



# Appendix

## Reconciliation of Shareholders' Equity to Non-GAAP Adjusted Book Value<sup>1</sup>



### Non-GAAP Adjusted book value reconciliation

(dollars in millions, except per share amounts)

	As of									
	December 31, 2017		September 30, 2017		December 31, 2016		September 30, 2016		December 31, 2015	
	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share
<b>Reconciliation of shareholders' equity to non-GAAP adjusted book value:</b>										
<b>Shareholders' equity</b>	<b>\$6,839</b>	<b>\$58.95</b>	<b>\$6,878</b>	<b>\$56.40</b>	<b>\$6,504</b>	<b>\$50.82</b>	<b>\$6,640</b>	<b>\$50.70</b>	<b>\$6,063</b>	<b>\$43.96</b>
Less pre-tax adjustments:										
Non-credit impairment unrealized fair value gains (losses) on credit derivatives	(146)	(1.26)	(129)	(1.55)	(189)	(1.48)	(284)	(2.17)	(241)	(1.75)
Fair value gains (losses) on CCS	60	0.52	58	0.52	62	0.48	12	0.09	62	0.45
Unrealized gain (loss) on investment portfolio excluding foreign exchange effect	487	4.20	506	4.20	316	2.47	571	4.36	373	2.71
Less Taxes	(83)	(0.71)	(147)	(1.11)	(71)	(0.54)	(91)	(0.69)	(56)	(0.41)
Non-GAAP operating shareholders' equity	6,521	56.20	6,590	54.34	6,386	49.89	6,432	49.11	5,925	42.96
Pre-tax adjustments:										
Less: Deferred acquisition costs	101	0.87	106	0.89	106	0.83	108	0.82	114	0.83
Plus: Net present value of estimated net future revenue	146	1.26	144	1.23	136	1.07	155	1.19	169	1.23
Plus: Net unearned premium reserve on financial guaranty contracts in excess of expected loss to be expensed	2,966	25.56	3,091	26.51	2,922	22.83	3,038	23.19	3,384	24.53
Plus Taxes	(512)	(4.41)	(899)	(7.71)	(832)	(6.50)	(868)	(6.63)	(968)	(7.02)
Non-GAAP Adjusted book value	<u>\$9,020</u>	<u>\$77.74</u>	<u>\$8,820</u>	<u>\$73.48</u>	<u>\$8,506</u>	<u>\$66.46</u>	<u>\$8,649</u>	<u>\$66.04</u>	<u>\$8,396</u>	<u>\$60.87</u>
Gain (loss) related to FG VIE consolidation included in non-GAAP operating shareholders' equity	<u>\$5</u>	<u>\$0.03</u>	<u>\$3</u>	<u>\$0.01</u>	<u>(\$7)</u>	<u>(\$0.06)</u>	<u>(\$24)</u>	<u>(\$0.18)</u>	<u>(\$21)</u>	<u>(\$0.15)</u>
Gain (loss) related to FG VIE consolidation included in non-GAAP adjusted book value	<u>(\$14)</u>	<u>(\$0.12)</u>	<u>(\$13)</u>	<u>(\$0.11)</u>	<u>(\$24)</u>	<u>(\$0.18)</u>	<u>(\$40)</u>	<u>(\$0.30)</u>	<u>(\$43)</u>	<u>(\$0.31)</u>

1. For an explanation of adjusted book value, a non-GAAP financial measure, please refer to the preceding pages of the Appendix. The prior-year non-GAAP financial measures have been updated to reflect the revised calculation as discussed in "Explanation of Non-GAAP Financial Measures."

# Appendix

## Calculation of Non-GAAP Operating Portfolio Leverage



### Non-GAAP Operating Leverage

(dollars in millions, except leverage)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Insured Net Par Outstanding	\$640,194	\$616,686	\$556,830	\$518,772	\$459,107	\$403,729	\$358,571	\$296,318	\$264,952	\$237,448	\$218,177	\$205,794	\$192,586
Non-GAAP Operating Shareholders' Equity	4,076	4,319	4,757	5,447	5,974	5,896	5,925	6,386	6,521	6,521	6,521	6,521	6,521
Non-GAAP Operating Portfolio Leverage	157	143	117	95	77	68	61	46	41	36	33	32	30

1. See pages 54-56 for a reconciliation of GAAP shareholders' equity to non-GAAP operating shareholders' equity.

# Appendix

## Reconciliation of GAAP ROE to Non-GAAP Operating ROE

### ROE Reconciliation

(dollars in millions)

	Three Months Ended December 31,		Year-Ended December 31,	
	2017	2016	2017	2016
<b>Net income (loss)</b>	<b>\$52</b>	<b>\$197</b>	<b>\$730</b>	<b>\$881</b>
Non-GAAP Operating income	91	139	661	895
Gain (loss) related to FG VIE consolidation included in non-GAAP operating income	2	16	11	12
<b>Average shareholders' equity</b>	<b>\$6,859</b>	<b>\$6,572</b>	<b>\$6,672</b>	<b>\$6,284</b>
Average non-GAAP operating shareholders' equity	6,556	6,409	6,454	6,156
Gain (loss) related to FG VIE consolidation included in average non-GAAP operating shareholders' equity	4	(16)	(1)	(14)
<b>GAAP ROE<sup>1</sup></b>	<b>3.0%</b>	<b>12.0%</b>	<b>10.9%</b>	<b>14.0%</b>
Non-GAAP Operating ROE <sup>1</sup>	5.6%	8.7%	10.2%	14.5%
Effect of FG VIE consolidation included in non-GAAP operating ROE	0.2%	1.1%	0.1%	0.2%

1. Quarterly ROE calculations represent annualized returns.

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# Equity Investor Presentation

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