

**Fixed Income Investor Presentation** 

March 31, 2018





AN ASSURED GUARANTY COMPANY



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<sup>1.</sup> Please see page 3 for a definition of this convention.

# 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 most recent Form 10-Q or 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, Non-GAAP Financial Measures and Certain Statutory Data



- Unless otherwise noted, the following conventions are used in this presentation:
  - "AGM Consolidated" means Assured Guaranty Municipal Corp. and its consolidated entities (consisting primarily of Assured Guaranty (Europe) plc (AGE1), Municipal Assurance Holdings Inc. (MAC Holdings), a company formed to own 100% of the common stock of Municipal Assurance Corp. (MAC), and variable interest entities Assured Guaranty Municipal Corp. is required to consolidate under accounting principles generally accepted in the United States).
    - "AGM" means AGM Consolidated excluding MAC Holdings and MAC.
    - "Assured Guaranty Municipal" means AGM Consolidated excluding MAC Holdings, MAC and Assured Guaranty (Europe) Ltd.
  - 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.





## Corporate Overview



- Assured Guaranty Ltd. ("AGL" and, together with its subsidiaries, "Assured Guaranty" or the "Company") is the leading financial guaranty franchise
  - We are the only long-standing financial guaranty company to continue to write new business throughout the financial crisis and recession
  - We maintain strong financial strength ratings from one or more of S&P, KBRA and A.M. Best
- Assured Guaranty's focus is financial guaranty
  - Over three decades of experience in the financial guaranty market
  - Publicly traded holding company (NYSE: AGO) with extensive quarterly financial disclosures at holding company and subsidiaries, providing transparency to all investors
  - Three principal U.S. financial quaranty direct subsidiaries and one principal Bermuda financial guaranty reinsurance subsidiary
- Strong capital base
  - Consolidated investment portfolio and cash of \$11.3 billion as of March 31, 2018<sup>1</sup>
  - Consolidated claims-paying resources of \$11.5 billion as of March 31, 2018<sup>2</sup>

(\$ in billions)	AGL Consolidated (3/31/18)
Net par outstanding	\$257.1
Total investment portfolio and cash1	\$11.3
Claims-paying resources <sup>2</sup>	\$11.5

<sup>1.</sup> See page 30 for a breakdown of the available-for-sale portfolio (\$11.3 billion), which includes \$103 million of other invested assets.

<sup>2.</sup> Aggregate data for the Company's operating subsidiaries, based primarily on statutory measures. Claims on each insurer's guarantees are paid from that insurer's separate claimspaying resources. See page 9 for components of claims-paying resources.

# Operating Principles and Investor and Issuer Benefits



- Underwriting principles and a strong risk management culture designed to protect our franchise
- **Experienced and disciplined management**
- Commitment to disclosure and transparency
- Our guaranty benefits investors and issuers because we provide credit selection, underwriting, surveillance and remediation, in addition to timely payment of scheduled principal and interest if an underlying transaction defaults
  - Bond insurance helps homogenize the market's view of insured credits, which typically increases market liquidity; every day, the municipal market trades an average of approximately \$500 million in bonds insured by Assured Guaranty companies (\$2.5 billion per week)
  - Credit enhancement provides protection in an uncertain credit environment

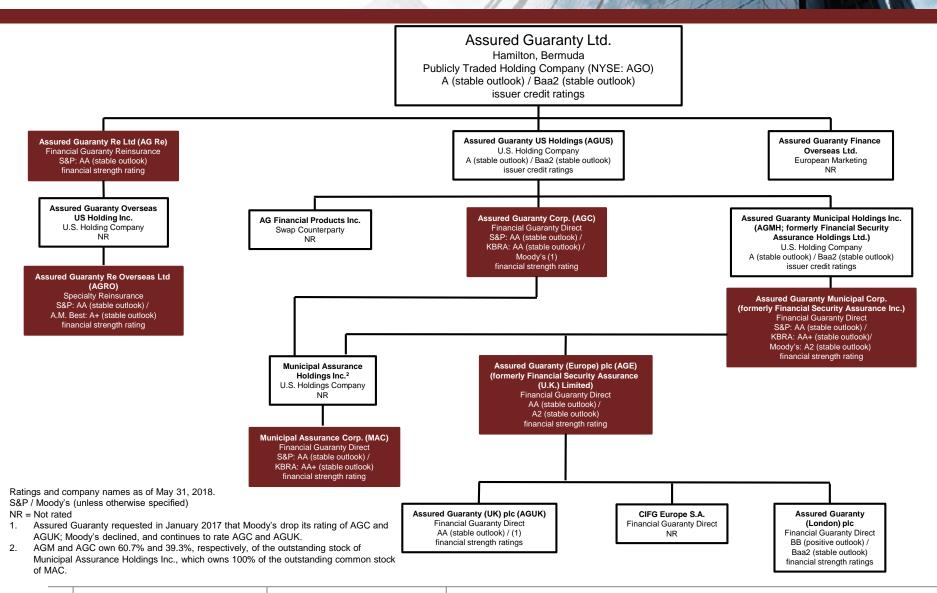
# **Strategic Priorities**



- Generate current and future revenue through new business production
- Manage capital efficiently
- **Execute alternative strategies to create value, including acquisitions, investments** and commutations
- **Mitigate losses**

# Assured Guaranty Ltd. Corporate Structure





# Four Discrete Operating Companies with Separate Capital Bases



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

	As of March 31, 2018					
(\$ in millions)	AGM	AGC	MAC	AG Re <sup>8</sup>	Eliminations <sup>3</sup>	Consolidated
Claims-paying resources						
Policyholders' surplus	\$2,247	\$1,847	\$277	\$1,017	(\$427)	\$4,96
Contingency reserve <sup>1</sup>	1,133	644	229	-	(229)	1,77
Qualified statutory capital	3,380	2,491	506	1,017	(656)	6,73
Unearned premium reserve <sup>1</sup>	1,646	336	235	659	(235)	2,64
Loss and loss adjustment expense reserves	617	214	0	312	0	1,14
Total policyholders' surplus and reserves	5,643	3,041	741	1,988	(891)	10,52
Present value of installment premium <sup>1</sup>	182	117	0	136	0	43
Committed Capital Securities	200	200	-	-	-	40
Excess of loss reinsurance facility <sup>2</sup>	180	180	180	<u>-</u>	(360)	18
Total claims-paying resources						
(including MAC adjustment for AGM and AGC)	\$6,205	\$3,538	\$921	\$2,124	(\$1,251)	\$11,53
Adjustment for MAC <sup>4</sup>	450	291	=	-	(741)	
Total claims-paying resources						
(excluding MAC adjustment for AGM and AGC)	<u>\$5,755</u>	\$3,247	<u>\$921</u>	\$2,124	(\$510)	\$11,53
Statutory net par outstanding <sup>5</sup>	\$119,306	\$22,642	\$28,471	\$63,680	(\$721)	\$233,37
Equity method adjustment <sup>4</sup>	17,282	11,189	-	-	(28,471)	¥=00,01
Adjusted statutory net par outstanding <sup>1</sup>	\$136,588	\$33,831	\$28,471	\$63,680	(\$29,192)	\$233,37
Net debt service outstanding <sup>5</sup>	\$189,808	\$34,163	\$41,910	\$99,931	(\$1,125)	\$364,68
Equity method adjustment <sup>4</sup>	25,440	16,470	ψ,σσ -	-	(41,910)	400 1,00
Adjusted net debt service outstanding <sup>1</sup>	\$215,248	\$50,633	\$41,910	\$99,931	(\$43,035)	\$364,68
Ratios:						
Adjusted net par outstanding to qualified statutory capital	40:1	14:1	56:1	63:1		35
Capital ratio <sup>6</sup>	64:1	20:1	83:1	98:1		54
Financial resources ratio <sup>7</sup>	35:1	14:1	46:1	47:1		32
Admitted Assets (statutory basis)	\$5,445	\$2,927	\$817			
Total Liabilities (statutory basis)	3,199	1,079	541			
Contingency Reserves (statutory basis)	989	554	229			
Surplus to Policyholders (statutory basis)	2,247	1,847	277			

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 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

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 cessions from AGM and AGC to MAC.



- Assured Guaranty Municipal<sup>1</sup>, MAC and AGC operate as three separate direct financial quaranty platforms, with AG Re operating as a reinsurer
  - Assured Guaranty Municipal focuses exclusively on public finance and global infrastructure transactions: its subsidiary Assured Guaranty (Europe) plc serves the European market
  - MAC insures only U.S. municipal bonds, primarily small and medium-size issues in select categories, such as G.O. and tax-backed bonds and public electric, water, sewer and transportation revenue bonds – a subset of Assured Guaranty Municipal's focus
  - AGC, as the most diversified platform, insures the same categories as Assured Guaranty Municipal<sup>1</sup>, as well as selected sectors within the U.S. and international structured finance market
  - AG Re, as a reinsurer, provides additional capital and flexibility to Assured Guaranty Municipal<sup>1</sup> and AGC; its subsidiary AGRO is a specialty reinsurance company that provides financial guaranty and certain nonfinancial quaranty reinsurance
- Assured Guaranty Municipal<sup>1</sup>, MAC, AGC and AG Re share Assured Guaranty's experience, culture of prudent risk management and business infrastructure
- Assured Guaranty's financial position and market standing, along with the franchise value of Assured Guaranty Municipal<sup>1</sup>, AGE, MAC, AGC and AG Re are strengthened through this structure
  - Greater capacity to write business
  - More flexibility in balancing portfolio exposures
  - Enhanced operating efficiencies through common infrastructure

<sup>1.</sup> Please see page 3 for a definition of this convention.

# Assured Guaranty Principal Operating Platforms (Continued)



## Companies distinct for legal and regulatory purposes

- Separate insurance licenses
- Separate regulators Assured Guaranty Municipal<sup>1</sup> and MAC are domiciled in New York; AGC is domiciled in Maryland
- Dividend restrictions New York, Maryland and Bermuda insurance law restrictions apply
- Separate insured credit exposures: net par as of March 31, 2018 AGM<sup>1</sup> \$124.8 billion<sup>2</sup>, MAC \$38.4 billion, AGC \$25.3 billion
- Separate capital bases claims-paying resources<sup>3</sup> as of March 31, 2018 AGM<sup>1</sup> \$5.8 billion, MAC \$0.9 billion, AGC \$3.2 billion

## Under GAAP, Assured Guaranty Municipal Corp. is required to consolidate several entities, including MAC, when reporting financial data

- Because of the legal and regulatory distinction between Assured Guaranty Municipal Corp. and its consolidated entities, it can be useful to look at Assured Guaranty Municipal Corp. not only on a consolidated basis but also after excluding one or more of its consolidated entities
- Please see page 3 for a list of conventions used to indicate which consolidated entities are included when we refer to "AGM Consolidated," "AGM" or "Assured Guaranty Municipal"

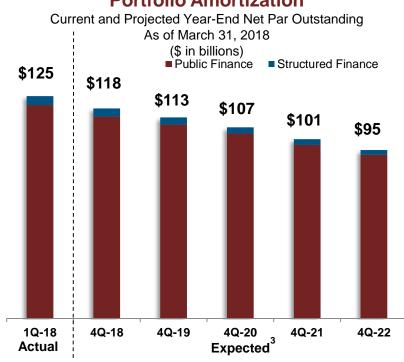
- 1. Please see page 3 for a definition of this convention.
- 2. Includes GICs (see the footnote on page 39).
- 3. Please see page 9 for additional details about the components of claims-paying resources as well as other statutory financial information. Consolidated claims-paying resources of the Assured Guaranty group include those of AGM, MAC and AGC shown above, and \$2.1 billion at AG Re., less intercompany eliminations of \$0.5 billion.

# Assured Guaranty Municipal's Commitment to the Public Finance Market



- Assured Guaranty Municipal<sup>1</sup> is committed to insuring only U.S. public finance and global infrastructure transactions now and in the future<sup>2</sup>
- Assured Guaranty Municipal's<sup>1</sup> existing insured portfolio continues to rapidly evolve toward its public finance focus
- We project that Assured Guaranty Municipal's<sup>1</sup> legacy global structured finance insured portfolio (\$5 billion as of March 31, 2018 vs. \$127 billion as of September 30, 2008) will amortize more rapidly than our public finance portfolio - 8% by year-end 2018 and 20% by year-end 2019<sup>3</sup>

## Assured Guaranty Municipal<sup>1</sup> Insured **Portfolio Amortization**



- 1. Please see page 3 for a definition of this convention.
- 2. Assured Guaranty Municipal<sup>1</sup> stopped writing structured finance transactions in August 2008.
- 3. Represents the future expected amortization of current net par outstanding as of March 31, 2018. Actual amortization of the existing portfolio will differ from the expected shown here because, for example, (a) some obligors may call, prepay or defease guaranteed obligations (e.g., in the context of U.S. public finance refundings), and (b) 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 from expectations in the same direction or one portfolio may amortize more guickly while the other may amortize more slowly.



# MUNICIPAL **ASSURANCE** CORP

MAC was launched in July of 2013 as a municipal-only bond insurer with the positive attributes it takes most start-up companies years to establish.

## As of March 31, 2018, Municipal Assurance Corp. (MAC) has:

- \$0.9 billion in claims-paying resources, consisting of \$506 million in statutory capital, \$235 million in unearned premium reserves<sup>1</sup> (UPR), and \$180 million in excess-ofloss reinsurance<sup>2</sup>:
- A \$38 billion insured U.S. municipal-only portfolio that is geographically diversified;
- A \$794 million investment portfolio;
- Strong financial strength ratings: AA+ (stable outlook) from Kroll Bond Rating Agency (KBRA) and AA (stable outlook) from S&P;
- Conservative and well-defined underwriting standards; and
- A high level of transparency, including quarterly financial supplements and the publication of Credit Summaries for primary-market insured transactions.

## MAC benefits from Assured Guaranty's human capital, experience and business infrastructure.

Statutory basis.

<sup>2.</sup> 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. Please see page 9 for additional details about the components of claims-paying resources as well as other statutory financial information.

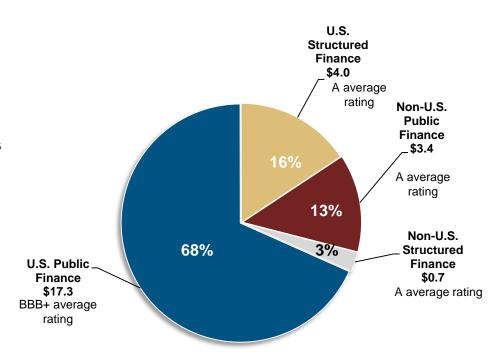
## AGC is Our Most Diversified Platform



- AGC, a diversified insurer, may write all classes of financial guaranty business, including structured finance, U.S. public finance and global infrastructure
- Structured finance new business originations:
  - Traditional ABS (e.g., auto loans and leases, credit card receivables, consumer loans, equipment loans and leases, trade receivables)
  - Capital management solutions for financial institutions
  - Actively managed risk tolerance
  - Investment grade underlying credit quality

## **Net Par Outstanding**

As of March 31, 2018 (\$ in billions)



\$25.3 billion, A- average rating

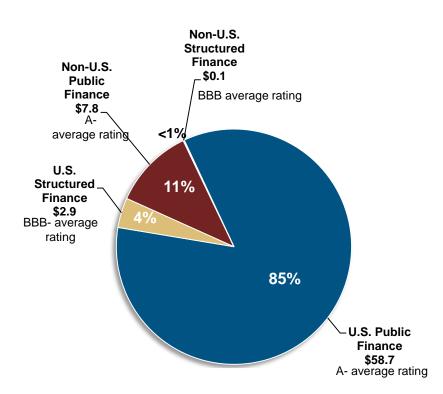
# AG Re's Operating Structure



- AG Re is an insurance company primarily engaged in providing reinsurance to financial guarantors
  - AG Re is rated AA (stable outlook) by S&P
- Provides reinsurance for Assured **Guaranty Municipal<sup>1</sup> and AGC**
- Portfolio opportunities with legacy monolines
- Its subsidiary AGRO is a specialty reinsurance company that provides financial guaranty and certain nonfinancial guaranty reinsurance
  - AGRO is rated A+ (stable outlook) by A.M. Best and AA (stable outlook) by S&P

## **Net Par Outstanding**

As of March 31, 2018 (\$ in billions)



\$69.4 billion, A- average rating

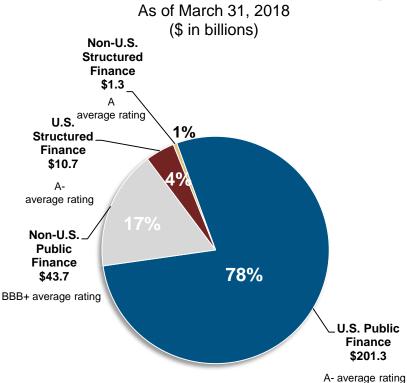
<sup>1.</sup> Please see page 3 for a definition of this convention.

# **Underwriting Discipline**



- Our U.S. public finance portfolio, our largest exposure category, generally performed well during the recession and in subsequent years, despite persistent financial pressures on municipal obligors
  - Our portfolio is well-diversified with approximately 8,000 direct U.S. public finance obligors. We expect future losses to be paid, net of recoveries, on thirteen exposures<sup>2</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<sup>3</sup> represents our largest below investment grade U.S. public finance exposure.
- Neither AGM<sup>1</sup> nor AGC underwrote collateralized debt obligations (CDOs) backed by RMBS, which has protected us from losses on the scale experienced by our former competitors
  - 1. Please see page 3 for a definition of this convention.
  - 2. Includes exposure to Puerto Rico.
  - 3. See pages 35-37 for a more detailed analysis of the Company's Puerto Rico exposure.

## Consolidated Net Par Outstanding



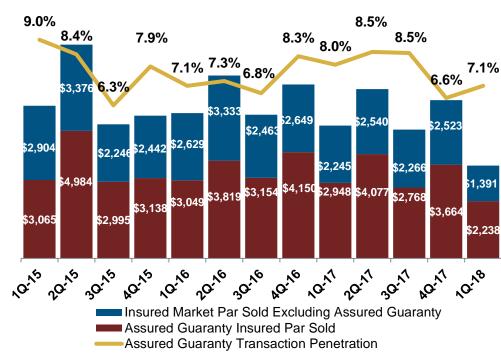
\$257.1 billion, A- average rating



- 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 1Q 2018 totaled 119 or \$2.2 billion
  - Secondary market policies sold during 1Q 2018 totaled 77 or \$195 million
- Insured volume decreased by 30% in 1Q 2018 relative to the same period in 2017. However, that was in line with overall market trends, as total volume decreased by a similar margin.
  - Insured penetration was 5.9% in 1Q 2018 up from 5.6% for FY 2017.
  - Industry par penetration for all transactions with underlying A ratings was 21.9% in 1Q 2018
  - Industry penetration based on the number of transactions with underlying A ratings was 53.1% as more than half of all A rated transactions utilized insurance.

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

(\$ in millions)



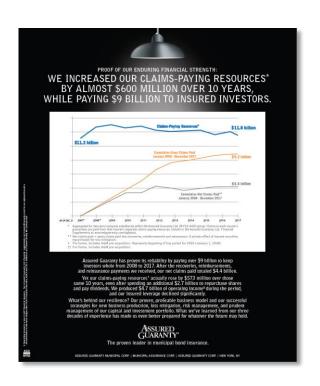
Total U.S. Public Finance New Issuance	1Q-15	2Q-15	3Q-15	4Q-15	1Q-16	2Q-16	3Q-16	4Q-16	1Q-17	2Q-17	3Q-17	4Q-17	1Q-18
Par Issued (\$ in billions)	\$104.0	\$111.0	\$86.0	\$76.4	\$96.5	\$119.4	\$108.4	\$100.2	\$86.6	\$100.7	\$84.4	\$137.5	\$61.8
Transactions Issued	3,059	3,783	2,665	2,558	2,787	3,635	3,048	2,775	2,271	3,013	2,307	3,007	1,674

<sup>1.</sup> Source: SDC database. As of March 31, 2018. Transaction penetration shown is Assured Guaranty's transaction count as a percentage of all transactions issued.

# **Broadening Market Awareness Advertising Campaigns**









# Market Update Select Assured Guaranty Transactions in 2018



#### \$55,737,854

Taxable Sales Tax Refunding Bonds. Series A and Sales Tax Bonds, Series B

Parish of Terrebonne, LA

April 2018

#### \$45,425,000

System Revenue Bonds, Series 2018

**Central Washington** University

February 2018

#### \$76,950,000

School Districts Revenue Bond Financing Program Revenue Bonds, Series 2018E

**Dormitory Authority of the** State of New York

May 2018

#### \$135,000,000

Health System Rev Bonds, Tax-Exempt Series B & Taxable Series C

The Oklahoma **Development Finance** Authority

March 2018

#### \$311,985,000

Unlimited Tax General Obligation Refunding Bonds, Series 2018A

> **Board of Education of** Chicago, IL

> > May 2018

#### \$266,080,000

Senior Lien Special Tax Revenue Bonds, Series A

City of Arlington, TX

March 2018

#### \$152,000,000

Revenue Refunding and Improvement Bonds, Taxable Series 2018

City of Atlanta and Fulton **County Recreation** Authority, GA

January 2018

#### \$76,705,000

Port Facility Revenue Bonds, Series A and Ref Rev Bonds, Series B

**Board of Commissioners of** the Port of New Orleans, LA

February 2018

#### \$71,530,000

New Hope Cultural Educ Facs Capital Improvement Rev Bonds. Series A-1 and Taxable Rev Bonds, Series A-2

**Texas Woman's University Collegiate Housing Denton** 

March 2018

#### \$89,400,000

General Obligation Bonds, Series 2018

> **Grand River Hospital** District, CO

> > January 2018

#### \$90,840,000

General Improvement Bonds, Series A

County of Nassau, NY

May 2018

#### \$418,660,000

Tobacco Master Settlement Payment Revenue Bonds, Series 2018

**Commonwealth Financing** Authority, PA

February 2018

#### \$57,880,000

Auxiliary Facilities System Revenue Bonds, Series A and B

**Board of Trustees of** Illinois State University

February 2018

#### \$241,080,000

General Obligation Bonds, First Series of 2018

> Commonwealth of Pennsylvania

> > May 2018

#### \$41,610,000

Electric System Revenue Refunding Bonds

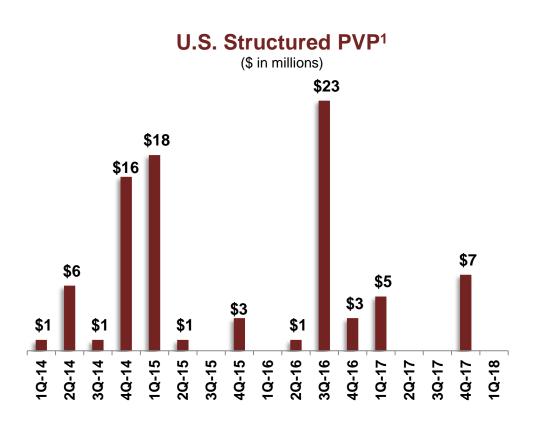
**Lodi Public Financing** Authority, CA

May 2018

Source: SDC database. Sales from January 1 through May 25, 2018. Amounts are on a sale-date basis and reflect only those series insured by AGM or MAC.

# **Creating Value New Business Production** U.S. Structured Finance Business Activity

- Focus has been on bilateral transactions to improve policy beneficiaries' capital management efficiency
- 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

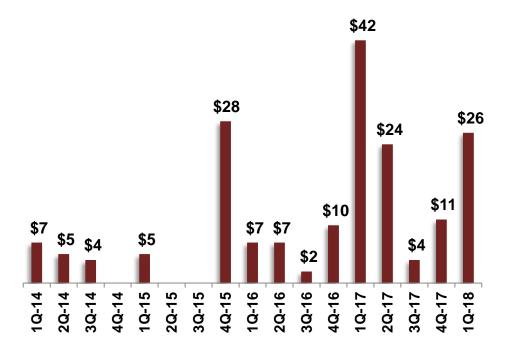


For an explanation of new business production, or PVP, which is a non-GAAP financial measure, please refer to the Appendix.



- **During 1Q-18, we closed United Kingdom** public-private-partnership and utility transactions in both the primary and 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





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

# **Creating Value** Alternative Strategies Acquisitions



## 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 closed on June 1, 2018

- Assured Guaranty will reinsure or commute approximately \$13 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 \$59 million on a present value basis



- In July 2016, the Company announced the formation of an Alternative Investments group
  - The Alternative Investments group focuses on deploying a portion of Assured Guaranty's excess capital to pursue acquisitions and develop new business opportunities that benefit from the Company's core competencies and credit expertise and are in line with its risk profile, including, among others, both controlling and non-controlling investments in investment managers.
- In February 2017, the Company came to an agreement on its first major investment
  - The Company will purchase up to \$100 million of limited partnership interests in a fund that invests in the equity of private equity managers
- In September 2017, the Company acquired a minority interest in Wasmer, Schroeder & **Company LLC** 
  - Independent investment advisory firm specializing in separately managed accounts (SMAs)
  - Approximately \$8 billion under management
  - Capitalizes on core competencies of both companies, such as municipal credit analysis and strong industry relationships.
- In February 2018, the Company acquired a minority interest in Rubicon Infrastructure Advisors
  - Rubicon is a full-service investment banking firm active in the global infrastructure sector
  - Rubicon has advised on over 70 merger and acquisition and capital raising assignments worth in excess of \$30 billion over the past five years.
  - Rubicon operates on a global basis and has advised on transactions in Europe, the U.K., North America and Latin America providing investors, operating managers and construction companies with independent advice
- The Company continues to investigate additional opportunities

## **Creating Value** Commutations



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 March 31, 2018

#### Commutation **Reassumed Par** Reassumed UPR Gain / (Loss) Year (\$ in billions) (\$ in millions) (\$ in millions) \$(11) 2009 \$2.9 \$65 2010 15.5 104 50 0.3 2011 24 2012 19.2 109 82 2013 0.2 2 11 1.2 23 2014 20 2015 0.9 23 28 0.0 8 2016 2017 5.1 82 328 1Q-18 0.0 **Total** \$45.3 \$420 \$535

## **Ceded Par Outstanding by Reinsurer**

As of March 31, 2018

(\$ in millions)	Net Par Outstanding
American Overseas Re	\$2,130
SGI <sup>2</sup>	\$1,473
Others	\$696
Total	\$4,299

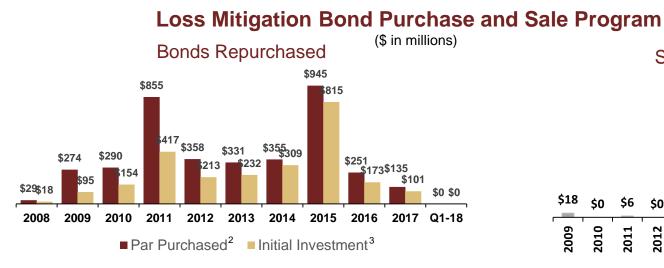
For an explanation of non-GAAP adjusted book value, which is a non-GAAP financial measure, please refer to the Appendix.

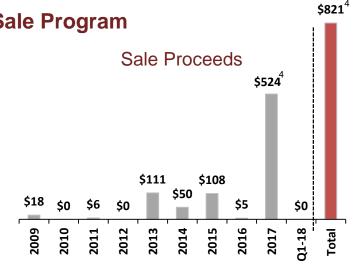
The majority of this amount was commuted under the terms of the SGI reinsurance transaction that closed in June 2018. See page 22.

# **Creating Value Loss Mitigation Bond Purchases**



- 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 did not purchase any loss mitigation bonds in the first quarter of 2018
- 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





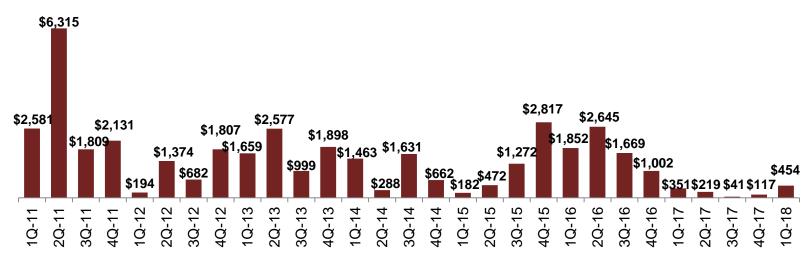
- For an explanation of non-GAAP adjusted book value, please refer to the Appendix.
- Par at the time of purchase.
- Cost of purchase.
- Includes \$334 million of Zohar II notes used as consideration to acquire MBIA UK in Q1 2017.



- **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 Strength Ratings



- In June 2017, S&P affirmed the AA (stable outlook) financial strength ratings of AGM, MAC and AGC
  - S&P found the Assured Guaranty group's capital adequacy to be above their AAA requirement; although S&P did not disclose the size of the group's capital adequacy cushion (the amount of capital remaining after S&P's simulated AAA depression test), we estimate it to be more than \$2.8 billion at year-end 2016, \$1.3 billion higher than S&P reported for year-end 2013
  - Importantly, S&P re-ran an analysis assuming each of Assured Guaranty's insured Puerto Rico obligations would default, and that Assured Guaranty would pay claims totaling 100% of that debt service over the next four years. S&P also looked at scenarios in which Assured Guaranty would pay claims totaling up to 45% of its total insured Puerto Rico debt service over the life of the transactions. S&P found that under any of these scenarios, the losses would not change Assured Guaranty's S&P capital adequacy score

## **Financial Strength Ratings**

As of May 31, 2018

	S&P	S&P Moody's	
AGM	AA stable outlook	A2 stable outlook	AA+ stable outlook
MAC	AA stable outlook	Not Rated	AA+ stable outlook
AGC	AA stable outlook	(1)	AA stable outlook

(1) Assured Guaranty requested in January 2017 that Moody's drop its rating of AGC and AGUK; Moody's declined, and continues to rate AGC and AGUK

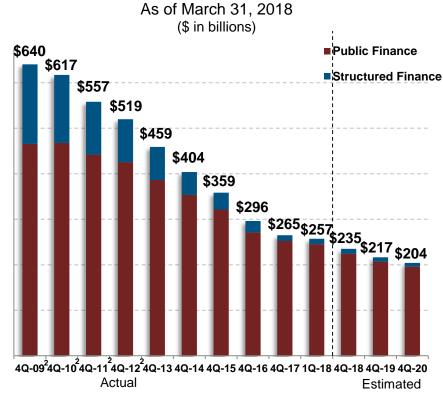
- KBRA has affirmed all of its Assured Guaranty ratings in the past year: AGM at AA+ (stable outlook) in January 2018; AGC at AA (stable outlook) in December 2017; and MAC at AA+ (stable outlook) in July 2017
  - KBRA noted each Company's ability to withstand their conservative stress case loss assumptions, a mature and highfunctioning operating platform and a strong management team
- In May 2018, Moody's affirmed the A2 (stable outlook) insurance financial strength ratings on AGM

# **Net Par Outstanding Amortization**



- Amortization of the existing portfolio reduces rating: agency capital charges, but also embedded future earned premiums
  - Currently, the portfolio consists of \$245 billion of public finance and \$12 billion of structured finance
  - The portfolio will amortize by 9% by the end of 2018; 16% by the end of 2019; 21% by the end of 2020; 31% by the end of 2022
- New direct or assumed business originations, reassumptions and acquisitions will increase future premiums

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



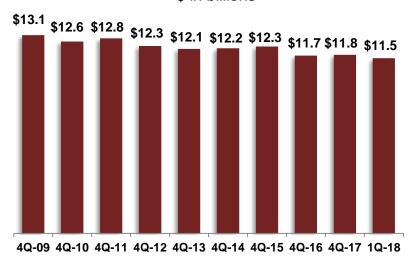
- Represents the future expected amortization of existing net par outstanding as of March 31, 2018. Actual amortization of the existing portfolio will differ from the expected shown here because, for example, (1) some obligors may call, prepay or defease guaranteed obligations (e.g., in the context of 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.
- Gross of wrapped bond purchases made primarily for loss mitigation.

# **Assured Guaranty Today** Insured Portfolio and Capital Changes Since the Global Financial Crisis



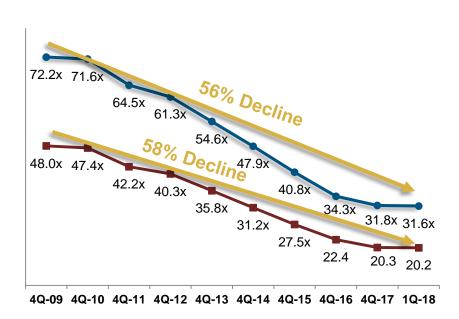
## **Claims-Paying Resources**

\$ in billions



- Assured Guaranty's robust business model and successful surveillance, loss mitigation and acquisition strategies, along with our access to capital in debt and equity markets, enabled us to maintain a strong financial position during and since the Great Recession
- Since our acquisition of AGM in July 2009, group claimspaying resources declined modestly relative to the more than \$9 billion paid out in gross policyholder claims.
- Of those claims, approximately 80% were RMBS, 15% public finance and the rest other asset classes.

## **Insured Leverage**



Net Debt Service / Claims-Paying Resources

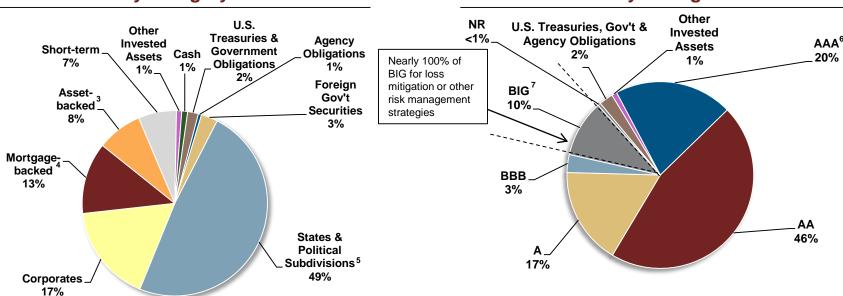
■Net Par Outstanding / Claims-Paying Resources

Since our acquisition of AGM in July 2009, group insured leverage as a multiple of claims-paying resources has declined by more than 50%



## Total Invested Assets and Cash<sup>1</sup> By Category

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



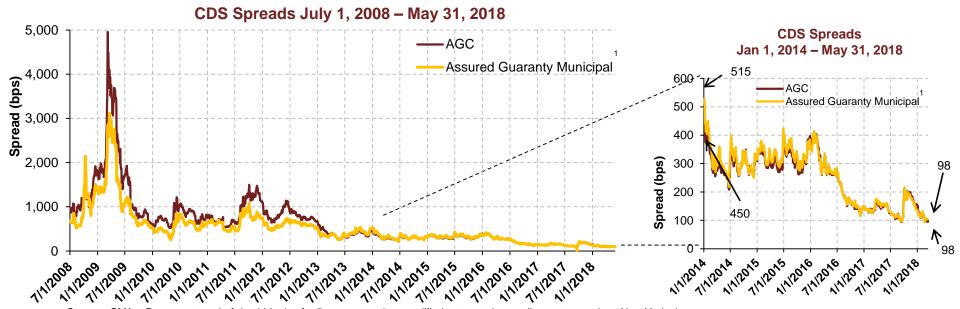
## Total = \$11.3 billion

- 1. Includes fixed maturity securities, short-term investments, cash and Other Invested Assets.
- 2. Ratings are represented by the lower of the Moody's and S&P classifications except for securities purchased or obtained as part of loss mitigation or other risk management strategies, which use internal ratings classifications.
- 3. Included in the asset-backed category are securities purchased or obtained as part of loss mitigation or other risk management strategies with a fair value of \$715 million. The remaining securities have a fair value of \$174 million and an average rating of AAA.
- 4. Included in the mortgage-backed category are securities purchased or obtained as part of loss mitigation or other risk management strategies with a fair value of \$313 million and agency-backed securities with a fair value of \$594 million. The remaining securities have a fair value of \$501 million and an average rating of AAA.
- 5. Included in the states & political subdivisions category are securities purchased or obtained as part of loss mitigation or other risk management strategies with a fair value of \$85 million.
- 6. Included in the AAA category are short-term securities and cash.
- 7. Included in the BIG category are securities purchased or obtained as part of loss mitigation or other risk management strategies with a fair value of \$1,089 million.

# Credit Default Swap Spreads



- Movements in credit default swap (CDS) levels for Assured Guaranty Municipal and AGC continue to be significantly affected by technical factors such as supply/demand imbalance and light trading volume
- The deterioration in the asset-backed securities market's pricing through first quarter 2009 expanded demand for CDS protection on Assured Guaranty Municipal<sup>1</sup> and AGC by fixed income holders of Assured Guaranty Municipal<sup>1</sup> and AGC insured paper as they sought to hedge exposure, thereby exacerbating the supply/demand imbalance
- Assured Guaranty Municipal and AGC's 5-year CDS bid prices peaked in mid-March 2009 at 3,120 bps and 4,961 bps, respectively
- 5-year CDS levels for Assured Guaranty Municipal and AGC have rallied considerably since March 2009 as a result of the improvement in general market fundamentals, the market's positive reaction to the July 2009 AGMH acquisition, our successes in loss mitigation, the deleveraging of our insured portfolio, and our record of positive operating results
- On March 15, 2018, the 5-year CDS levels for Assured Guaranty Municipal and AGC were at 3 and 2 percent, respectively, of their mid-March 2009 levels
- Between January 1, 2014 and March 15, 2018, CDS levels for Assured Guaranty Municipal and AGC came in by 81 and 78 percent, respectively, from their highs during this period. As of May 31, Assured Guaranty Municipal's<sup>1</sup> and AGC's CDS were at approximately 98.



Source: CMA - Represents end-of-day bid price for 5-year protection, modified restructuring credit event spreads at New York close.

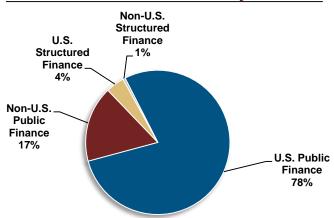




# **AGL** Consolidated Insured Portfolio Net Par Outstanding as of March 31, 2018



## **Portfolio Diversification by Sector**



\$257.1 billion<sup>1,2</sup>

#### U.S. Structured Finance Portfolio

Non-U.S. Portfolios **Public & Structured Finance** 

Infrastructure

& Pooled

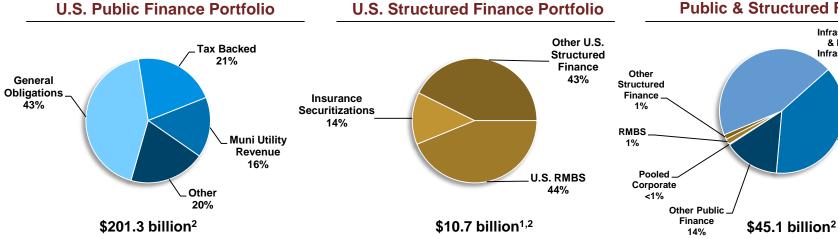
Infrastructure

45%

Regulated

Utilities

38%

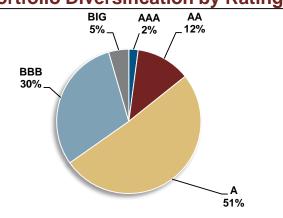


- 1. Includes GICs. Please see the footnote on page 39.
- 2. Consolidated amounts include those of AG Re.

# AGL Consolidated Insured Portfolio Ratings Net Par Outstanding as of March 31, 2018

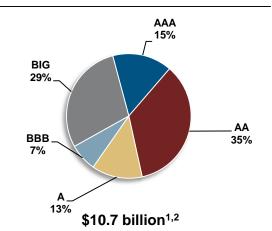


## Portfolio Diversification by Rating

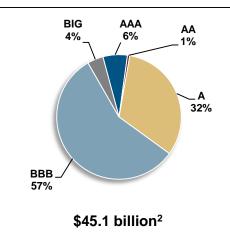


\$257.1 billion<sup>1,2</sup>

**U.S. Structured Finance Portfolio** 



Non-U.S. Portfolios
Public & Structured Finance



**U.S. Public Finance Portfolio** 

**BIG** 

**BBB** 

26%

AAA AA

14%

57%

<1%

<sup>\$201.3</sup> billion<sup>2</sup>

<sup>1.</sup> Includes GICs. Please see the footnote on page 39.

<sup>2.</sup> Consolidated amounts include those of AG Re.



#### Par Exposure to the Commonwealth and its Agencies<sup>1</sup> As of March 31, 2018

		-	
	(\$ in millions)	Net Par Outstanding <sup>2</sup>	Gross Par Outstanding
Commonwealth	Commonwealth of Puerto Rico - General Obligation Bonds <sup>3</sup>	\$1,419	\$1,469
Constitutionally	Puerto Rico Public Buildings Authority (PBA)	141	146
Guaranteed	Subtotal	\$1,560	\$1,615
	Puerto Rico Highways and Transportation Authority (PRHTA) (Transportation Revenue Bonds) <sup>3</sup>	\$882	\$913
Public Corporations – Certain Revenues	Puerto Rico Highways and Transportation Authority (PRHTA) (Highways Revenue Bonds) <sup>3</sup>	495	556
Potentially Subject to	Puerto Rico Convention Center District Authority (PRCCDA)	152	152
Clawback	Puerto Rico Infrastructure Financing Agency (PRIFA)	18	18
	Subtotal	\$1,547	\$1,639
	Puerto Rico Electric Power Authority (PREPA) <sup>3</sup>	853	870
	Puerto Rico Aqueduct and Sewer Authority (PRASA) 4	373	373
Other Public	Puerto Rico Municipal Finance Agency (MFA) <sup>4</sup>	360	416
Corporations	Puerto Rico Sales Tax Finance Corp. (COFINA) <sup>3</sup>	273	273
	University of Puerto Rico (U of PR) <sup>4</sup>	1_	1
Į	Subtotal	\$1,860	\$1,933
	Total	\$4,967	\$5,187

- The general obligation bonds of Puerto Rico and various obligations of its related authorities and public corporations are rated BIG.
- 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.
- As of the date of the Company's 2018 1st quarter 10-Q 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 exposures.
- As of the date the Company's 2018 1st quarter 10-Q 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 March 31, 2018

(\$ in millions)	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	\$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
Subtotal	\$0	\$78	\$0	\$90	\$146	\$28	\$37	\$20	\$73	\$75	\$45	\$130	\$231	\$607	\$-	\$-	\$1,560
PRHTA																	
(Transportation Revenue) PRHTA	\$0	\$38	\$-	\$32	\$25	\$18	\$28	\$34	\$4	\$29	\$24	\$29	\$157	\$279	\$185	\$-	882
(Highways Revenue)	-	20	-	21	22	35	6	32	33	34	1	-	112	179	-	-	495
PRCCDA	-	-	-	-	-	-	-	-	-	-	-	19	24	109	-	-	152
PRIFA		2	-	-	-	-	-	2	-	-	-	-	-	-	14	-	18
Subtotal	\$0	\$60	\$-	\$53	\$47	\$53	\$34	\$68	\$37	\$63	\$25	\$48	\$293	\$567	\$199	\$-	\$1,547
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	(1)	(1)	(1)	(2)	1	0	(2)	(2)	(2)	(1)	30	252	2	273
U of PR		0	-	0	0	0	0	0	0	0	0	0	1	0	-	-	1
Subtotal	\$0	\$62	\$0	\$80	\$92	\$67	\$66	\$118	\$112	\$108	\$164	\$143	\$288	\$43	\$254	\$263	\$1,860
Total	\$0	\$200	\$0	\$223	\$285	\$148	\$137	\$206	\$222	\$246	\$234	\$321	\$812	\$1,217	\$453	\$263	\$4,967

<sup>1.</sup> 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.

## **Public Finance** Puerto Rico Exposure



#### Scheduled Net Debt Service Amortization of Exposure to the Commonwealth and its Agencies<sup>1</sup> As of March 31, 2018

(\$ in millions)	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	\$114	\$0	\$156	\$206	\$74	\$94	\$71	\$128	\$119	\$82	\$136	\$396	\$649	\$-	\$-	\$2,225
PBA		4	-	10	12	20	6	13	6	12	17	44	31	45	-	-	220
Subtotal	\$0	\$118	\$0	\$166	\$218	\$94	\$100	\$84	\$134	\$131	\$99	\$181	\$427	\$694	\$-	\$-	\$2,445
PRHTA (Transportation Revenue)	\$0	\$61	\$-	\$76	\$67	\$59	\$68	\$72	\$41	\$66	\$59	\$63	\$300	\$372	\$210	\$-	\$1,514
PRHTA (Highways Revenue)	-	33	-	47	46	58	27	52	51	51	17	15	182	203	-	-	782
PRCCDA	-	3	-	7	7	7	7	7	7	7	7	26	55	121	-	-	261
PRIFA	_	2	_	1	1	1	1	2	1	1	1	1	4	3	16	_	35
Subtotal	\$0	\$99	\$-	\$131	\$121	\$125	\$103	\$133	\$100	\$125	\$84	\$105	\$541	\$699	\$226	\$-	\$2,592
PREPA	\$3	\$22	\$3	\$65	\$87	\$63	\$62	\$128	\$121	\$91	\$126	\$122	\$273	\$15	\$-	\$-	\$1,181
PRASA	-	10	-	19	19	19	19	19	21	44	44	44	99	68	69	314	808
MFA	-	67	-	70	58	50	48	28	23	21	37	14	22	-	-	-	438
COFINA	0	6	0	13	13	13	13	16	15	13	13	13	74	96	307	2	607
U of PR		0	-	0	0	0	0	0	0	0	0	0	1	0	-	-	1
Subtotal	\$3	\$105	\$3	\$167	\$177	\$145	\$142	\$191	\$180	\$169	\$220	\$193	\$469	\$179	\$376	\$316	\$3,035
Total	\$3	\$322	\$3	\$464	\$516	\$364	\$345	\$408	\$414	\$425	\$403	\$478	\$1,437	\$1,572	\$602	\$316	\$8,072

<sup>1.</sup> 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.



#### **Details of Assured Guaranty's Exposure to Detroit**

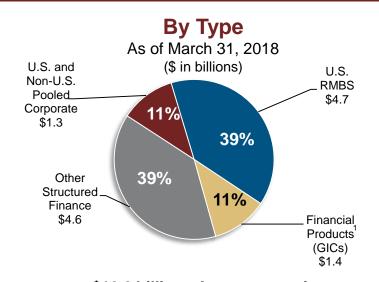
- Municipal utilities exposure is \$432 million of water revenue bonds and \$1 billion of sewer revenue bonds. Both the water and sewer systems provide services to areas that extend significantly beyond the City of Detroit boundaries.
- General obligation unlimited tax exposure has been resolved
  - In 3Q-14, the settlement between the Company and City of Detroit regarding unlimited tax general obligation bonds was finalized. In December 2014, the City's plan of adjustment, which includes the terms of such settlement, became effective. At that time, investors exchanged 84.5% of the original general obligation bonds for newly issued bonds that are basically identical to the original bonds except that they have the benefit of additional pledged security and are issued by the Michigan Finance Authority. The remaining 15.5% of the general obligation bonds will be repaid solely by Assured Guaranty. After giving effect to post-petition payments made by Assured Guaranty on the general obligation bonds, the settlement results in an ultimate recovery to Assured Guaranty of approximately 74%.

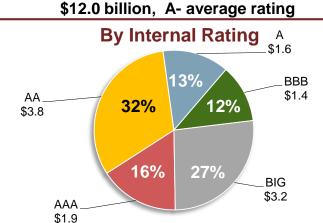
#### **Details of Assured Guaranty's Exposure to Stockton**

- Net par exposure to Stockton is \$113 million of pension obligation bonds
- The City of Stockton's plan of adjustment, which became effective on February 25, 2015, includes the terms of the Company's settlement with Stockton, under which the Company receives net revenues from an office building and has the irrevocable option to take title to that building, and is entitled to certain fixed payments and certain variable payments contingent on Stockton's revenue growth.

## Structured Finance Exposures **Net Par Outstanding**







- **Assured Guaranty's total structured finance** exposure of \$240.9 billion at December 31, 2007 has declined by \$228.9 billion to \$12.0 billion through March 31, 2018, a 95% reduction
- We expect Assured Guaranty's current global structured finance insured portfolio to amortize more rapidly than our public finance portfolio
  - 9% expected to amortize by the end of 2018, 20% by the end of 2019, 30% by the end of 2020 and 47% by the end of 2022

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 March 31, 2018, 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 \$0.6 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.

### Consolidated U.S. RMBS

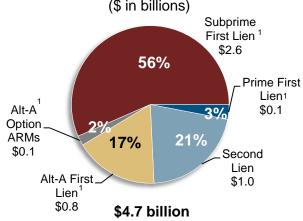


### Our \$4.7 billion U.S. RMBS portfolio is amortizing both on a dollar basis and as a percentage of the portfolio

- Total U.S. RMBS has declined from \$29.2 billion at December 31, 2009 to \$4.7 billion at March 31, 2018, a \$24.5 billion or 84% reduction
- U.S. RMBS expected to be reduced by 14% by year-end 2018 and by 65% by year-end 2022
- As of March 31, 2018, 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**

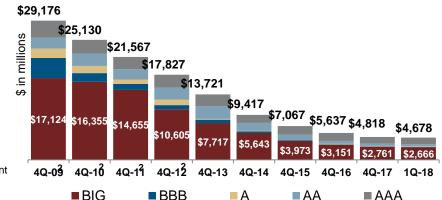
As of March 31, 2018 (\$ in billions)



(1.8% of total net par outstanding)

#### U.S. RMBS by Rating

Net Par Outstanding from December 31, 2009 to March 31, 2018



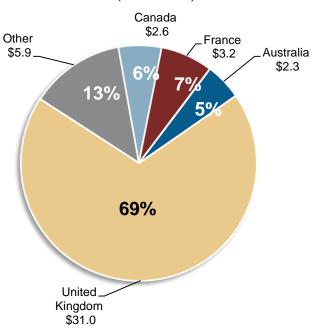
The Company has reclassified certain net par outstanding from below investment grade to investment grade due to collateralized reinsurance arrangements.

Gross of wrapped bond purchases made primarily for loss mitigation



### Non-U.S. Exposure

As of March 31, 2018 (\$ in billions)



\$45.1 billion, BBB+ average rating

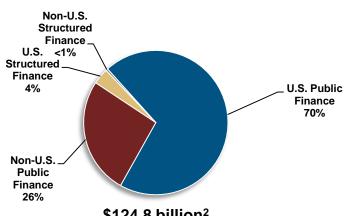
- 97% of non-U.S. exposure is Public Finance
  - Direct sovereign debt is limited to Poland (\$291 million outstanding)
- 3% of non-U.S. exposure is Structured **Finance**





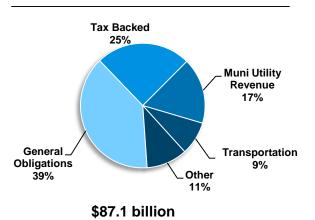


#### **Portfolio Diversification by Sector**

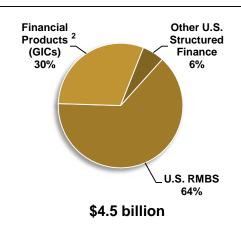


\$124.8 billion<sup>2</sup>

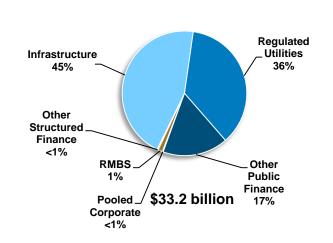
**U.S. Public Finance Portfolio** 



U.S. Structured Finance Portfolio



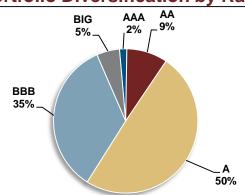
Non-U.S. Portfolios **Public & Structured Finance** 



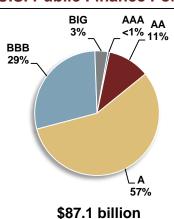
- 1. Please see page 3 for a definition of this convention.
- 2. Please see the footnote on page 39.



#### Portfolio Diversification by Rating

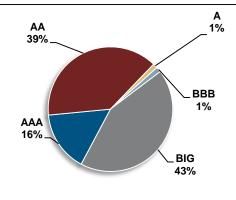


**U.S. Public Finance Portfolio** 



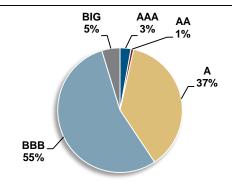
**U.S. Structured Finance Portfolio** 

\$124.8 billion<sup>2</sup>



\$4.5 billion<sup>2</sup>

Non-U.S. Portfolios **Public & Structured Finance** 



\$33.2 billion

<sup>1.</sup> Please see page 3 for a definition of this convention.

<sup>2.</sup> Includes GICs. Please see the footnote on page 39.



### **Net Par Outstanding By Asset Type**

(\$ in millions)

	Net Par Outstanding		Avg. Internal Rating		_	Net Par tstanding	Avg. Internal Rating
U.S. public finance:				U.S. structured finance:			
General obligation	\$	33,917	A-	RMBS	\$	2,851	BB+
Tax backed		21,464	A-	Financial products <sup>2</sup>		1,361	AA-
Municipal utilities		14,887	A-	Consumer receivables		90	BB
Transportation		7,573	A-	Pooled corporate obligations		24	AAA
Healthcare		4,037	A-	Other structured finance		140	Α
Higher education		2,828	A-	Total U.S. structured finance		4,466	BBB
Infrastructure finance		1,115	BBB	Non-U.S. structured finance:			
Housing revenue		789	BBB+	RMBS		393	BBB
Other public finance		483	A-	Pooled corporate obligations		72	BBB+
Total U.S. public finance		87,093	A-	Other structured finance		95	AAA
Non-U.S. public finance:				Total non-U.S. structured finance		560	A-
Infrastructure finance		14,951	BBB	Total structured finance	\$	5,026	BBB
Regulated utilities		12,071	BBB+				
Other public finance		5,634	A	Total net par outstanding	\$	124,775	A-
Total non-U.S. public finance		32,656	BBB+				
Total public finance	\$	119,749	A-				

<sup>1.</sup> Please see page 3 for a definition of this convention.

<sup>2.</sup> Financial Products (GICs). Please see the footnote on page 39.

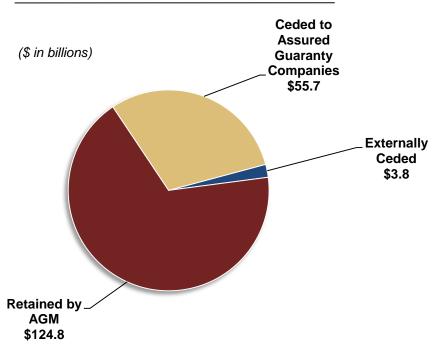
### Reinsurance

AGM¹ Has Ceded 30.2% of Its Gross Insured Portfolio to Affiliates and 2.1% to Several Non-Affiliated Reinsurers and Other Monolines



#### **AGM's<sup>1</sup> Total Gross Par Outstanding:** \$184.3 billion

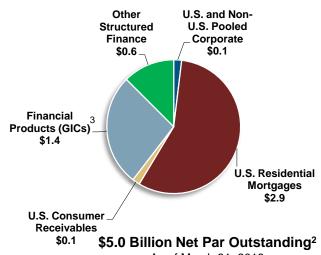
As of March 31, 2018

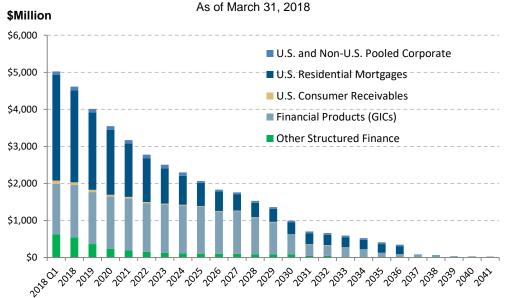


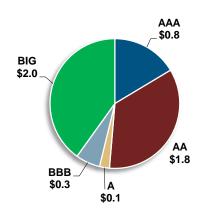
<sup>1.</sup> Please see page 3 for a definition of this convention and the appendix for a reconciliation to the corresponding GAAP value.

## AGM<sup>1</sup> Projected Amortization of Global Insured Structured Finance Portfolio









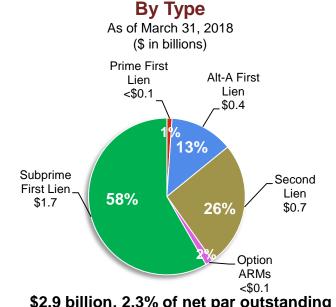
- We expect AGM's1 legacy global structured finance insured portfolio (\$5.0 billion as of March 31, 2018 versus \$127.3 billion as of September 30, 2008) to run off rapidly - 8% by year-end 2018 and 29% by year-end 2020.
  - \$2.9 billion in U.S. RMBS expected to be reduced by 13% by year-end 2018 and by 38% by year-end 2020
  - \$91 million in U.S. consumer receivable obligations expected to be reduced by 20% by year-end 2018 and by 46% by year-end 2020
  - \$0.6 billion in other structured finance (excluding FP) expected to be reduced by 14% by year-end 2018 and by 62% by year-end 2020
- Former FP business not part of Assured Guaranty's purchase; we are indemnified against exposure to the FP business by Dexia.
- 1. Please see page 3 for a definition of this convention.
- 2. Please see footnote 3 on page 12.
- 3. Please see the footnote on page 39.

## AGM<sup>1</sup> U.S. RMBS Exposure



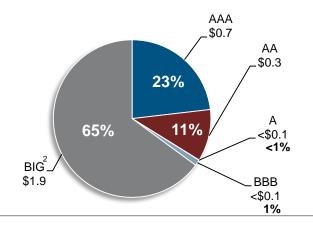
### AGM's<sup>1</sup> U.S. RMBS portfolio is amortizing on an absolute basis and has declined as a percentage of the portfolio

- \$2.9 billion net par outstanding versus \$17.1 billion at year-end 2008, a decrease of 83%
- 2.3% of total net par outstanding versus 4.0% at yearend 2008
- No U.S. RMBS underwritten since January 2008
- We have significantly mitigated ultimate losses
  - R&W putbacks, litigation and agreements
  - Wrapped bond purchases
  - Terminations of below investment grade credits



\$2.9 billion, 2.3% of net par outstanding

### By Rating



<sup>1.</sup> Please see page 3 for a definition of this convention.

<sup>2.</sup> Please see footnote 1 on page 39.

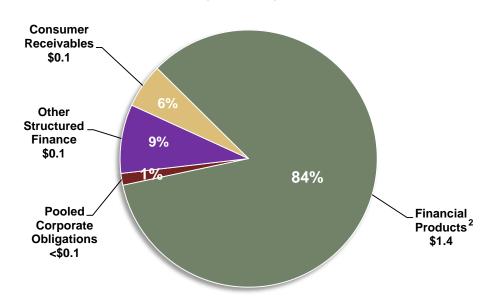
# AGM<sup>1</sup> Non-RMBS Exposure U.S. Structured Finance



- Non-RMBS U.S. structured finance credit experience has been generally strong given the economic stress caused by the financial crisis
- AGM's non-RMBS U.S. structured finance portfolio has declined from \$59.8 billion in 2009 to \$1.6 billion at the end of 2017
  - Excluding financial products, AGM's non-RMBS U.S. structured finance portfolio has declined from \$49.5 billion in 2009 to \$0.3 billion as of March 31, 2018

#### **U.S. Non-RMBS Structured Finance**

As of March 31, 2018 (\$ in billions)



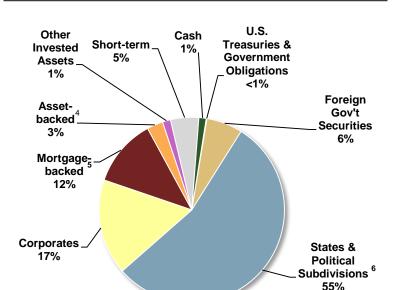
\$1.6 billion net par outstanding

<sup>1.</sup> Please see page 3 for a definition of this convention.

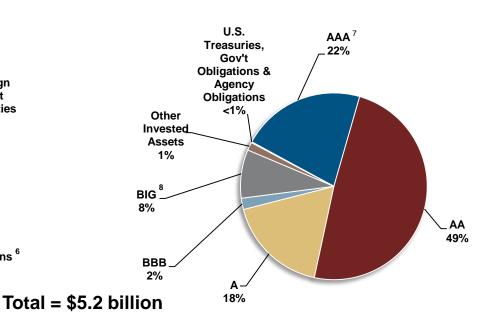
<sup>2.</sup> Please see the footnote on page 39.



### Total Invested Assets and Cash<sup>2</sup> **By Category**



### Total Invested Assets and Cash<sup>2,3</sup> By Rating



- 1. Please see page 3 for a definition of this convention and the appendix for a reconciliation to the corresponding GAAP value.
- 2. Includes fixed maturity securities, short-term investments, cash and Other Invested Assets.
- 3. Ratings are represented by the lower of the Moody's and S&P classifications except for securities purchased or obtained as part of loss mitigation or other risk management strategies, which use internal ratings classifications.
- 4. Included in the asset-backed category are securities purchased or obtained as part of loss mitigation or other risk management strategies with a fair value of \$60 million.
- 5. Included in the mortgage-backed category are securities purchased or obtained as part of loss mitigation or other risk management strategies with a fair value of \$288 million and agency-backed securities with a fair value of \$98 million. The remaining securities have a fair value of approximately \$228 million and an average rating of AAA.
- 6. Included in the states & political subdivisions category are securities purchased or obtained as part of loss mitigation or other risk management strategies with a fair value of \$24 million.
- 7. Included in the AAA category are short-term securities and cash.
- 8. Included in the BIG category are securities purchased or obtained as part of loss mitigation or other risk management strategies with a fair value of \$435 million.

## AGM Expected Loss and LAE to Be Paid As of March 31, 2018



(\$ in millions)

#### Rollforward of Net Expected Loss and LAE to be Paid<sup>1</sup> for the Three Months Ended March 31, 2018

	Net Expected Loss to be Paid (Recovered) as of December 30, 2017	Economic Loss Development During 1Q-18	(Paid) Recovered Losses During 1Q-18	Net Expected Loss to be Paid (Recovered) as of March 31, 2018
Public Finance:				
U.S. public finance	\$482	\$(22)	\$(52)	\$408
Non-U.S. public finance	36	(2)	0	34
Public Finance:	518	(24)	(52)	442
Structured Finance				
U.S. RMBS <sup>2</sup>	163	17	12	192
Other structure finance	15	(2)	0	13
Structured Finance:	178	15	12	205
Total	\$696	\$(9)	\$(40)	\$647

Expected loss to be paid in the table above represents the PV of expected net claims payments and reimbursements. A reserve and corresponding loss expense is generally recognized in the period and for the amount that expected losses exceed unearned premium reserve. See Notes to the financial statements in the 2017 AGL Form 10-K for a complete discussion of the accounting policy for financial guaranty insurance and credit derivative contracts.

Includes expected loss to be paid, economic loss development and paid (recovered) losses for all contracts (i.e. those accounted for as insurance, credit derivatives and FG VIEs).

Includes future net R&W recoverable (payable) of \$(13) million as of March 31, 2018 and \$(25) million as of December 31, 2017.



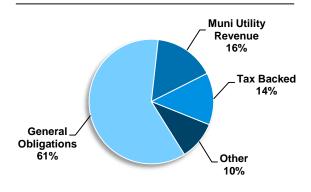


## MAC

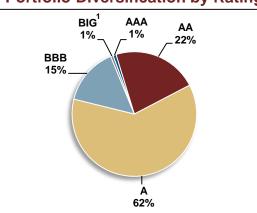
## Insured Portfolio (100% U.S. Public Finance) Net Par Outstanding as of March 31, 2018



#### **Portfolio Diversification by Sector**



**Portfolio Diversification by Rating** 



#### \$38.4 billion

#### **Net Par Outstanding By Asset Type**

(\$ in millions)

#### **Net Par Outstanding By State**

(\$ in millions)

		t Par tanding	Avg. Internal Rating	_	Net Outsta		% of Total
U.S. public finance:				California	\$	7,558	19.7%
General obligation	\$	23,266	Α	Texas		4,190	10.9
Municipal utilities		6,066	Α	Pennsylvania		3,024	7.9
Tax backed		5,180	A+	Illinois		2,822	7.4
Transportation		1,800	A-	New York		2,631	6.9
Higher Education		1,542	A	New Jersey		1,617	4.2
Housing revenue		116	A+	Florida		1,575	4.1
		_		Michigan		1,357	3.5
Other public finance		397	A+	- Ohio		1,039	2.7
Total U.S. public finance	\$_	38,367	A	_ Arizona		955	2.5
				Other		11,599	30.2
1. A total of \$248 million net par outstanding	g; consists of 17 re	evenue sources	rated in the BB and	Total U.S. public finance	\$	38,367	100.0%

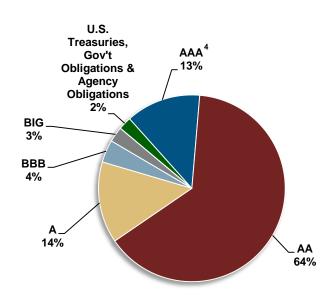
B categories.



#### Total Invested Assets and Cash<sup>1</sup> By Category

#### U.S. Treasuries & Cash Government Short-term **Obligations** <1%\_ 2% 2% Mortgagebacked & \_ Asset- 3 backed 6% Corporates 9% States & **Political Subdivisions** 80%

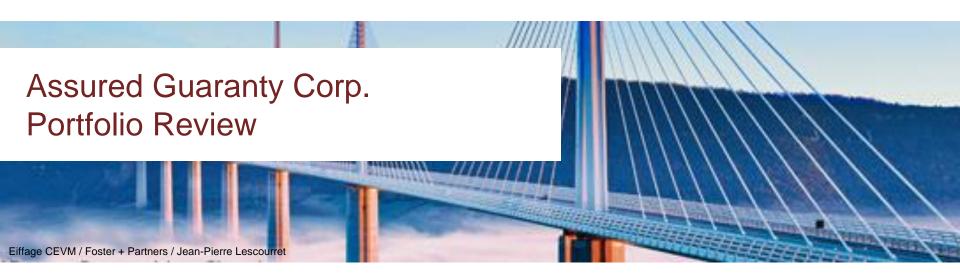
### Total Invested Assets and Cash<sup>1,2</sup> By Rating



Total = \$0.8 billion

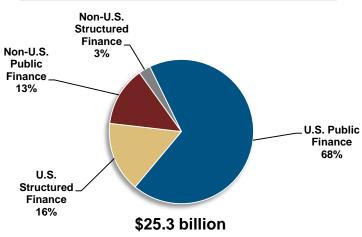
- 1. Includes fixed maturity securities, short-term investments and cash.
- 2. Ratings are represented by the lower of the Moody's and S&P classifications.
- 3. Included in the mortgage-backed category are agency-backed securities with a fair value of \$16 million. The remaining securities have a fair value of \$31 million and an average rating
- 4. Included in the AAA category are short-term securities and cash.







#### **Portfolio Diversification by Sector**



**U.S. Public Finance Portfolio** 

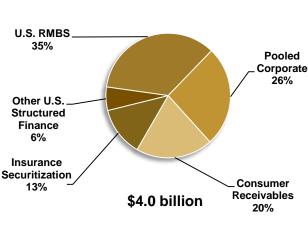
General
Obligations
23%

Muni
Utilities
12%

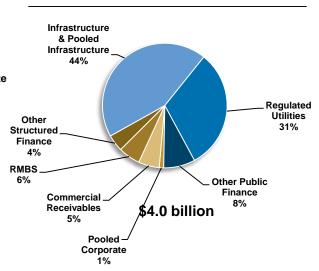
Healthcare
11%

Other
15%
\$17.3 billion

**U.S. Structured Finance Portfolio** 

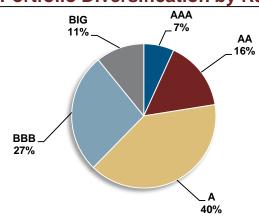


Non-U.S. Portfolios
Public & Structured Finance

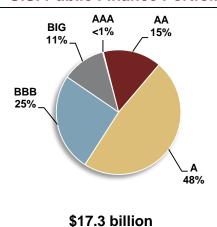




#### **Portfolio Diversification by Rating**

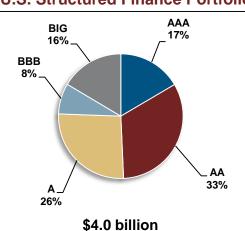


**U.S. Public Finance Portfolio** 

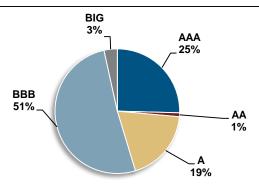


**U.S. Structured Finance Portfolio** 

\$25.3 billion



Non-U.S. Portfolios
Public & Structured Finance



\$4.0 billion



### **Net Par Outstanding By Asset Type**

(\$ in millions)

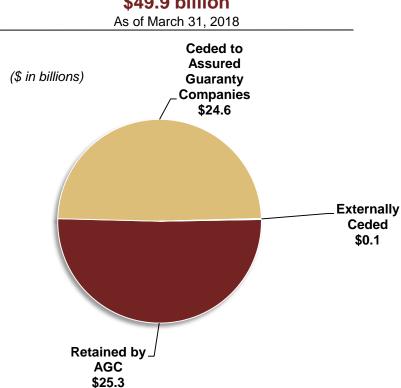
	Net Par Outstanding		Avg. Internal Rating	=	_	t Par tanding	Avg. Internal Rating	
U.S. public finance:		_		U.S. structured finance:				
Tax backed	\$	4,259	BBB-	RMBS	\$	1,393	A-	
General obligation		4,025	BBB+	Pooled corporate obligations		1,039	A+	
Transportation		2,506	A-	Consumer receivables		796	A+	
Municipal utilities		2,012	BBB+	Insurance securitization		510	AA	
Healthcare		1,909	A-	Other structured finance		242	BBB+	
Infrastructure finance		1,062	A-	Total U.S. structured finance		3,980	Α	
Higher education		723	A-	Non-U.S. structured finance:				
Investor-owned utilities		244	A-	RMBS		229	AA-	
Housing revenue		96	BBB	Commercial receivables		219	Α	
Other public finance		449	A-	Pooled corporate obligations		47	AA	
Total U.S. public finance		17,285	BBB+	Other structured finance		176	BBB+	
Non-U.S. public finance:				Total non-U.S. structured finance		671	Α	
Regulated utilities		1,266	BBB+	Total structured finance	\$	4,651		
Infrastructure finance		985	BBB					
Pooled infrastructure		788	AAA					
Other public finance		330	A-	Total net par outstanding	\$	25,305	Α-	
Total non-U.S. public finance		3,369	Α					
Total public finance	\$	20,654	BBB+	-				

### Reinsurance

AGC Has Ceded 49.2% of Its Gross Insured Portfolio to Affiliates and 0.1% to Several Non-Affiliated Reinsurers and Other Monolines



#### **AGC's Total Gross Par Outstanding:** \$49.9 billion



### AGC U.S. RMBS Exposure

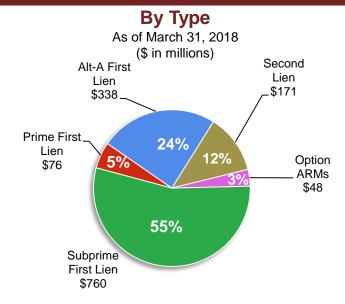


### AGC's U.S. RMBS portfolio is amortizing on an absolute basis and has declined as a percentage of the portfolio

- \$1.4 billion versus \$13.4 billion at year-end 2007, a decrease of 90%
- 5.5% of total net par outstanding versus 14.3% at year-end 2007

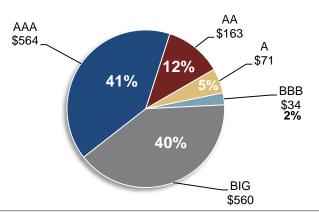
#### We have significantly mitigated ultimate losses

- R&W putbacks, litigation and agreements
- Wrapped bond purchases
- **Terminations**



#### \$1.4 billion, 5.5% of net par outstanding





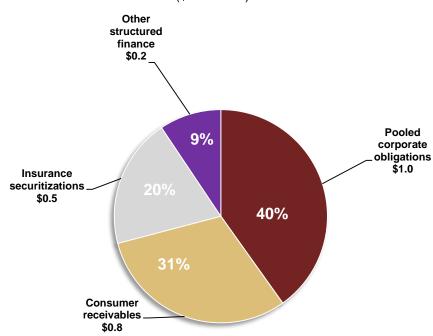
### AGC Non-RMBS Exposure U.S. Structured Finance



- AGC's non-RMBS U.S. structured finance exposures consist principally of:
  - Pooled corporate obligations
  - Consumer receivables
  - Insurance securitizations
- Non-RMBS U.S. structured finance credit experience has been generally strong despite the economic stress caused by the financial crisis
  - 4% rated AAA
  - 4% rated BIG

#### U.S. Non-RMBS Structured Finance

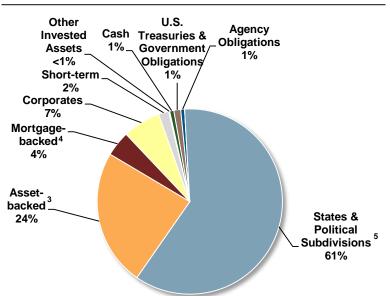
As of March 31, 2018 (\$ in billions)



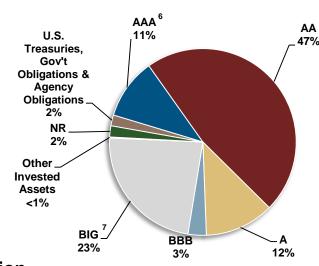
\$2.6 billion net par outstanding



# Total Invested Assets and Cash<sup>1</sup> By Category



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



Total = \$2.8 billion

- 1. Includes fixed maturity securities, short-term investments, cash and Other Invested Assets.
- 2. Ratings are represented by the lower of the Moody's and S&P classifications except for securities purchased or obtained as part of loss mitigation or other risk management strategies, which use internal ratings classifications.
- 3. Included in the asset-backed category are securities purchased or obtained as part of loss mitigation or other risk management strategies with a fair value of \$655 million.
- 4. Included in the mortgage-backed category are securities purchased or obtained as part of loss mitigation or other risk management strategies with a fair value of \$20 million and agency-backed securities with a fair value of \$58 million. The remaining securities have a fair value of \$47 million and an average rating of AAA.
- 5. Included in the states & political subdivisions category are securities purchased or obtained as part of loss mitigation or other risk management strategies with a fair value of \$60 million.
- 6. Included in the AAA category are short-term securities and cash.
- 7. Included in the BIG category are securities purchased or obtained as part of loss mitigation or other risk management strategies with a fair value of \$649 million.

## AGC Expected Loss and LAE to Be Paid As of March 31, 2018



(\$ in millions)

Rollforward of Net Expected Loss and LAE to be Paid<sup>1</sup> for the Three Months Ended March 31, 2018

	Net Expected Loss to be Paid (Recovered) as of December 31, 2017	Economic Loss Development During 1Q-18	(Paid) Recovered Losses During 1Q-18	Net Expected Loss to be Paid (Recovered) as of March 31, 2018
Public Finance:				
U.S. public finance	\$444	\$(1)	\$(35)	\$408
Non-U.S. public finance	5	0	0	5
Public Finance:	449	(1)	(35)	413
Structured Finance				
U.S. RMBS <sup>2</sup>	(111)	1	116	6
Other structure finance	(114)	(5)	3	(116)
Structured Finance:	(225)	(4)	119	(110)
Total	\$224	\$(5)	\$84	\$303

Expected loss to be paid in the table above represents the PV of expected net claims payments and reimbursements. A reserve and corresponding loss expense is generally recognized in the period and for the amount that expected losses exceed unearned premium reserve. See Notes to the financial statements in the 2017 AGL Form 10-K for a complete discussion of the accounting policy for financial guaranty insurance and credit derivative contracts.

Includes expected loss to be paid, economic loss development and paid (recovered) losses for all contracts (i.e. those accounted for as insurance, credit derivatives and FG VIEs).

Includes future net R&W recoverable of \$30 million as of March 31, 2018 and \$140 million as of December 31, 2017.





### **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 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 the Company.

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. The Company 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 within this financial supplement.

### **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 that are recognized in net income, 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 that are recognized in net income. 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 that are recognized in net income. 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 accumulated other comprehensive income (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.

### 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 effects 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.

### Reconciliation of Gross Written Premiums (GWP) to PVP



Reconciliation of GWP to PVP	Three Months	s Ended		Year En	ded Decemb	er 31,	
(dollars in millions)	Mar 31, 2018 Ma	r 31, 2017	2017	2016	2015	2014	2013
Total GWP	\$73	\$111	\$307	\$154	\$181	\$104	\$123
Less: Installment GWP and other GAAP							
adjustments <sup>1</sup>	22	55	99	(10)	55	(22)	8
Upfront GWP	51	56	208	164	126	126	115
Plus: Installment premium PVP	10	43	81	50	53	42	26
Total PVP	<u>\$61</u>	\$99	\$289	\$214	\$179	\$168	\$141
PVP:	Mar 31, 2018 Ma	ar 31, 2017	2017	2016	2015	2014	2013
Public Finance - U.S.	\$35	\$52	\$196	\$161	\$124	\$128	\$116
Public Finance - non-U.S.	26	40	66	25	27	7	18
Structured Finance - U.S.	0	5	12	27	22	24	7
Structured Finance - non-U.S.		2	15	1	6	9	
Total PVP	\$61	\$99	\$289	\$214	\$179	\$168	\$141

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.



### **Three Months Ended**

Non-GAAP Operating Income Reconciliation	March 31,								
(dollars in millions, except per share amounts)	201	8	2017						
	ı	Per Diluted	Per Diluted						
_	Total	Share	Total	Share					
Net income (loss)	\$197	\$1.68	\$317	\$2.49					
Less pre-tax adjustments:									
Realized gains (losses) on investments	(5)	(0.04)	32	0.25					
Non-credit impairment unrealized fair value gains (losses)									
on credit derivatives	30	0.26	25	0.20					
Fair value gains (losses) on CCS	(1)	(0.01)	(2)	(0.01)					
Foreign exchange gains (losses) on remeasurement of									
premiums receivable and loss and LAE reserves	22	0.18	10	0.08					
Total pre-tax adjustments	46	0.39	65	0.52					
Less tax effect on pre-tax adjustments	(4)	(0.04)	(21)	(0.17)					
Non-GAAP Operating income	\$155	<u>\$1.33</u>	\$273	\$2.14					
Gain (loss) related to FG VIE consolidation included in non-									
GAAP operating income	\$5	\$0.04	\$5	\$0.03					

For an explanation of operating income, a non-GAAP financial measure, please refer to the preceding pages of the Appendix.

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



Non-GAAP Adjusted book value reconciliation				As	of			
(dollars in millions, except per share amounts)	March 3	31, 2018	Decembe	er 31, 2017	March 3	31, 2017	Decembe	r 31, 2016
	Total	Per Share	Total	Per Share	Total	Per Share	Total	Per Share
Reconciliation of shareholders' equity to non-GAAP adjusted book value:								
Shareholders' equity	\$6,784	\$59.67	\$6,839	\$58.95	\$6,637	\$53.95	\$6,504	\$50.82
Less pre-tax adjustments:								
Non-credit impairment unrealized fair value gains (losses) on credit								
derivatives	(116)	(1.02)	(146)	(1.26)	(164)	(1.33)	(189)	(1.48)
Fair value gains (losses) on CCS	58		60		60	0.49	62	0.48
Unrealized gain (loss) on investment portfolio excluding foreign exchange								
effect	307	2.71	487	4.20	380	3.08	316	2.47
Less Taxes	(57)	(0.51)	(83)	) (0.71)	(99)	(0.80)	(71)	(0.54)
Non-GAAP operating shareholders' equity	6,592	57.97	6,521	56.20	6,460	52.51	6,386	49.89
Pre-tax adjustments:								
Less: Deferred acquisition costs	100	0.88	101	0.87	106	0.86	106	0.83
Plus: Net present value of estimated net future revenue	140	1.23	146	1.26	153	1.24	136	1.07
Plus: Net unearned premium reserve on financial guaranty contracts in								
excess of expected loss to be expensed	2,899	25.50	2,966	25.56	3,236	26.30	2,922	22.83
Plus Taxes	(497)	(4.37)	(512)	(4.41)	(945)	(7.68)	(832)	(6.50)
Non-GAAP Adjusted book value	\$9,034	\$79.45	\$9,020		\$8,798	\$71.51	\$8,506	\$66.46
Gain (loss) related to FG VIE consolidation included in non-GAAP operating shareholders' equity	\$8	¢0.06	\$5	5 \$0.03	(\$3)	(\$0.03)	(\$7)	(\$0.06)
Shareholders equity	<u> </u>	\$0.06	<u>\$</u>	φυ.υ3	(\$3)	(\$0.03)	(\$7)	(\$0.06)
Gain (loss) related to FG VIE consolidation included in non-GAAP adjusted								
book value	(\$12)	(\$0.10)	(\$14)	(\$0.12)	(\$20)	(\$0.16)	(\$24)	(\$0.18)

<sup>1.</sup> For an explanation of adjusted book value, a non-GAAP financial measure, please refer to the preceding pages of the Appendix.

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



#### **ROE** Reconciliation

(dollars in millions)	Three Montl March	
	2018	2017
Net income (loss)	\$197	\$317
Non-GAAP Operating income	155	273
Gain (loss) related to FG VIE consolidation included in non-GAAP		
operating income	5	5
Average shareholders' equity	\$6,812	\$6,571
Average non-GAAP operating shareholders' equity	6,557	6,423
Gain (loss) related to FG VIE consolidation included in average non-		
GAAP operating shareholders' equity	7	(5)
GAAP ROE <sup>1</sup>	11.5%	19.3%
Non-GAAP Operating ROE <sup>1</sup>	9.4%	17.0%
Effect of Consolidating FG VIEs included in non-GAAP operating		
ROE	0.2%	0.3%

<sup>1.</sup> Quarterly ROE calculations represent annualized returns.

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## **Fixed Income Investor Presentation** March 31, 2018

