Moody's



Investor Presentation

1Q 2011

MAY 17, 2011

Disclaimer

Certain statements contained in this presentation are forward-looking statements and are based on future expectations, plans and prospects for Moody's business and operations that involve a number of risks and uncertainties. Moody's outlook for 2011 and other forward-looking statements are made as of April 27, 2011, and the Company disclaims any duty to supplement, update or revise such statements on a going-forward basis, whether as a result of subsequent developments, changed expectations or otherwise. In connection with the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995, the Company is identifying certain factors that could cause actual results to differ, perhaps materially, from those indicated by these forward-looking statements. Those factors include, but are not limited to, the current world-wide credit market disruptions and economic slowdown, which is affecting and could continue to affect the volume of debt and other securities issued in domestic and/or global capital markets; other matters that could affect the volume of debt and other securities issued in domestic and/or global capital markets, including credit quality concerns, changes in interest rates and other volatility in the financial markets; the uncertain effectiveness and possible collateral consequences of U.S. and foreign government initiatives to respond to the economic slowdown; concerns in the marketplace affecting the Company's credibility or otherwise affecting market perceptions of the integrity or utility of independent agency ratings; possible loss of market share through competition; the introduction of competing products or technologies by other companies; pricing pressure from competitors and/or customers; the potential for increased competition in international jurisdictions including the potential emergence of government-sponsored CRAs; the impact of regulation as an NRSRO and the potential for new U.S., state and local legislation and regulations, including provisions in the Financial Reform Act and anticipated regulations resulting from that law; increased regulation in international jurisdictions including changes to the liability standards applicable to CRAs in the EU; exposure to litigation related to the Company's rating opinions, as well as any other litigation to which the Company may be subject from time to time; provisions in the Financial Reform Act modifying the pleading and liability standards applicable to CRAs in a manner adverse to CRAs; possible judicial decisions in various jurisdictions regarding the status of and potential liabilities of CRAs; the possible loss of key employees; failures or malfunctions of the Company's operations and infrastructure; the outcome of any review by controlling tax authorities of the Company's global tax planning initiatives; the outcome of those Legacy Tax Matters and legal contingencies that relate to the Company, its predecessors and their affiliated companies for which Moody's has assumed portions of the financial responsibility; the ability of the Company to successfully integrate acquired businesses; and a decline in the demand for credit risk management tools by financial institutions; and other risk factors as discussed in the Company's annual report on Form 10-K for the year ended December 31, 2010, and in other filings made by the Company from time to time with the Securities and Exchange Commission. This presentation includes certain non-GAAP financial measures as defined under SEC rules. As required by SEC rules, at the end of this slide presentation we have provided a reconciliation of those measures to the most directly comparable GAAP measures. A copy of this presentation, including the relevant reconciliation slides, is available on Moody's investor relations website http://ir.moodys.com.

Highlights

- Corporate overview
- Business conditions: Moody's Investors Service
- Value Proposition: Moody's Analytics
- Financial review and outlook

Moody's Business Structure

Moody's

Leading global provider of credit rating opinions, insight and tools for credit risk measurement and management.

Moody's Investors Service

Independent provider of credit rating opinions and related information for over 100 years

69% of MCO 2010 revenue: $1,405 million*

Moody's Analytics

Research, data and software for financial risk analysis and related professional services

31% of MCO 2010 revenue: $627 million*

* Represents consolidated financials excluding intersegment royalty and eliminations

Moody's Has Robust Opportunities in an Improving Environment

PRINCIPAL OPPORTUNITIES

- Global credit market issuance driven by economic growth and financing needs
- Disintermediation of financial institutions
- Sustained role as credit opinion provider
- Demand for risk management

PRINCIPAL CHALLENGES

- Uneven pace of economic recovery and further macroeconomic risks in sovereign and public finance sectors
- Changing regulatory landscape
- Limited financial innovation

MCO BUSINESS TARGETS

Long-term revenue growth: Double-digit percent

Long-term operating margin: Above 40 percent

Strength in Corporate and Structured Finance Ratings and Growth Across Moody's Analytics Drove 1Q Revenue

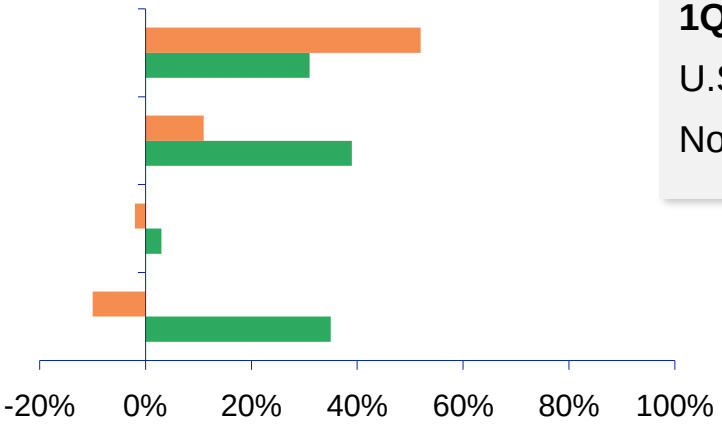
1Q11 Revenue Year-Over-Year Percent Change

$182m Corporate Finance

$89m Structured Finance

$77m Financial Institutions

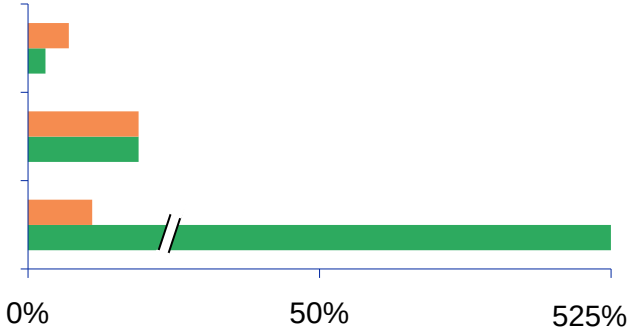
$64m Public, Project and Infrastructure Finance



$110m Research, Data and Analytics

$40m Risk Management Software

$15m Professional Services

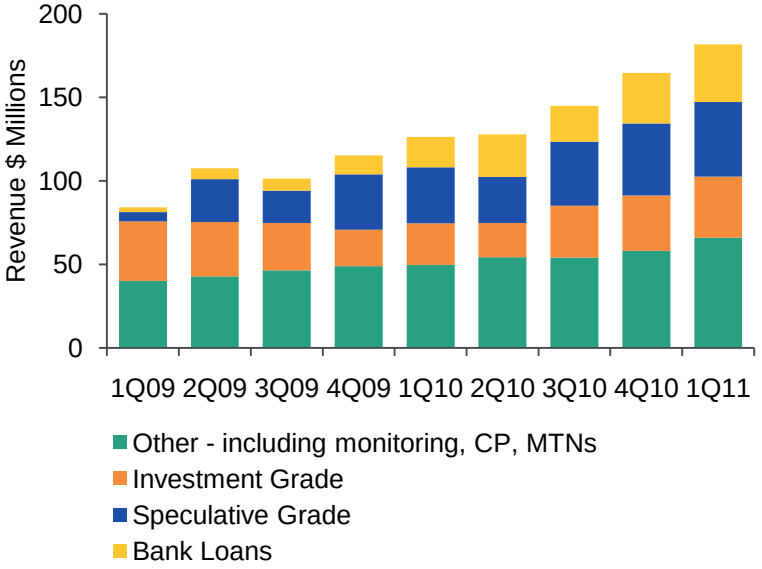


Moody's Total Revenue

1Q 2011:	**$577 million**	
U.S.	↑ 18%	
Non-U.S.	↑ 24%	

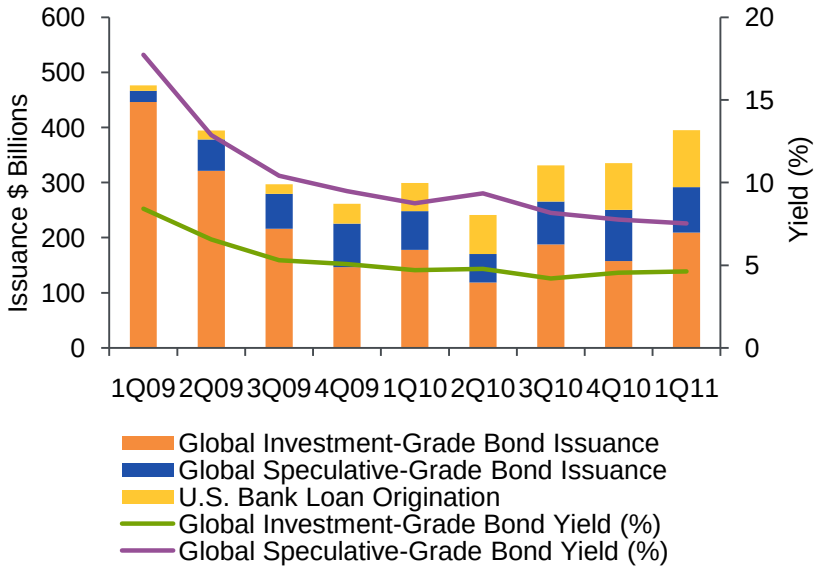
Low All-in Yields Continue to Create a Favorable Environment for Corporate Issuance

Revenue Mix: Corporate Finance



Historical data has been adjusted to conform with current information

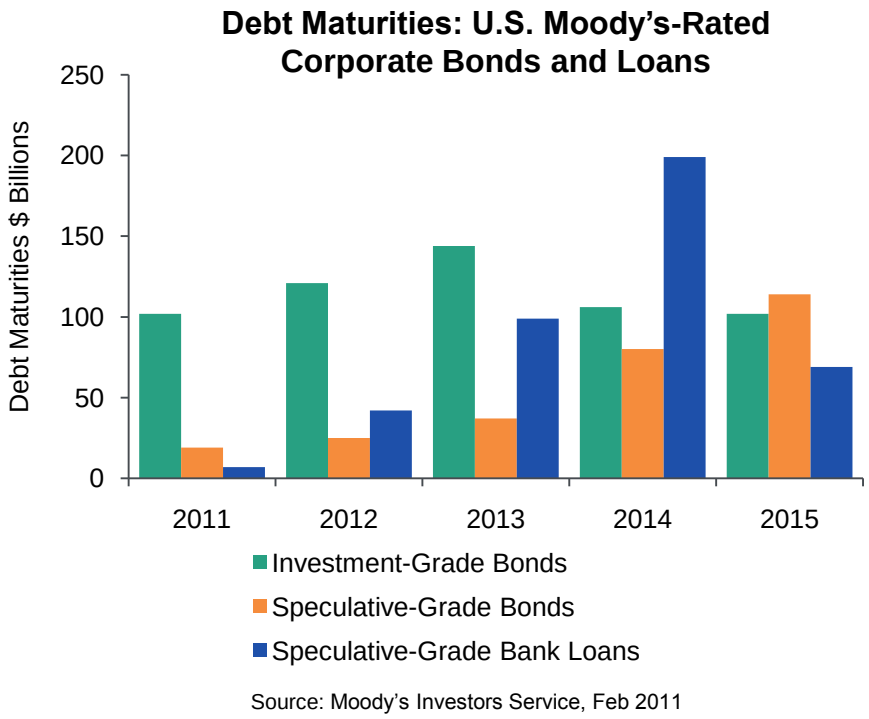
Issuance: Global Investment Grade and High Yield Bonds and U.S. Bank Loans



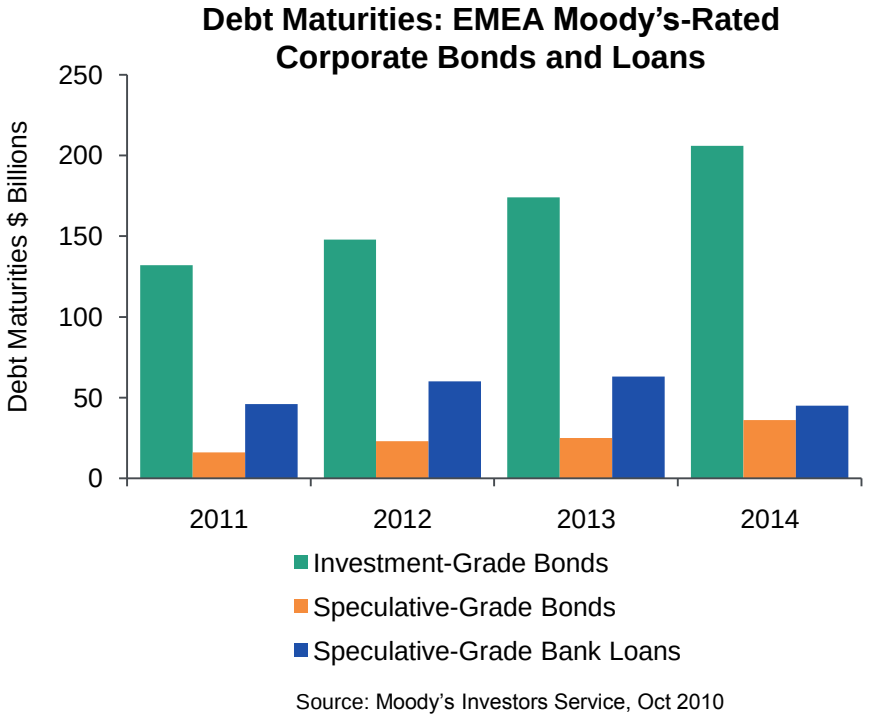
Source: Moody's Capital Markets Research Group, Dealogic
U.S. Bank Loan issuance represents rated new U.S. bank loan programs
Debt issuance categories do not directly correspond to Moody's revenue categorization

- U.S. high-yield issuance remains strong after a 2010 record for bonds and resurgence in loans
- Expect global investment grade issuance to remain robust with increased refinancing and M&A activity as issuers take advantage of favorable market conditions
- European bond market benefiting from diversification of funding sources away from banking system

Refunding Requirements In the Next Five Years Are Significant and Will Help Drive Issuance Activity



Source: Moody's Investors Service, Feb 2011

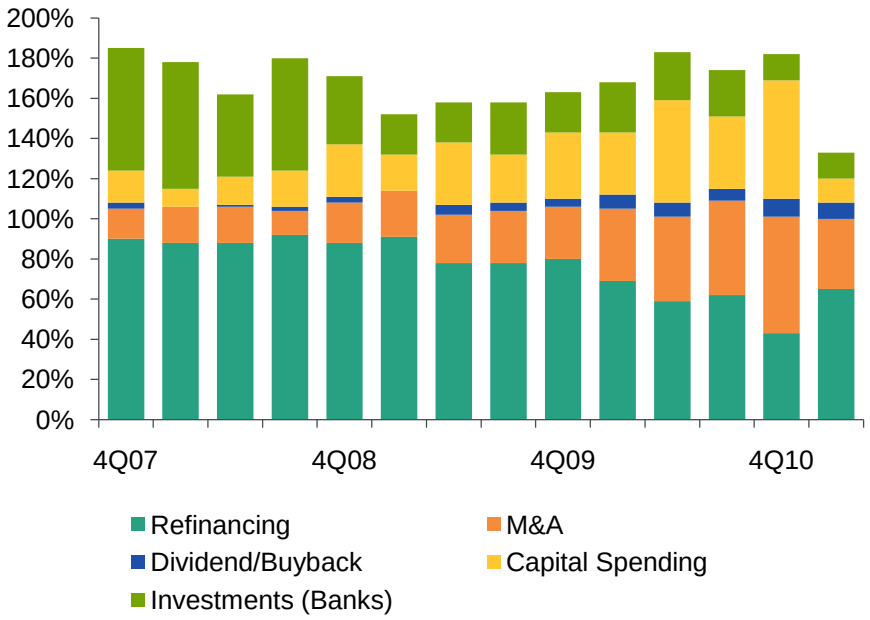


Source: Moody's Investors Service, Oct 2010

- Unusual maturity profile for speculative-grade loans reflects 2005-2007 LBO boom
  - Speculative-grade issuers continue to take advantage of favorable market conditions to pre-finance further-out maturities, as well as to refinance all instruments included in a single credit agreement when the first instrument governed by the facility matures
  - Significant refunding needs remain despite strong recent activity

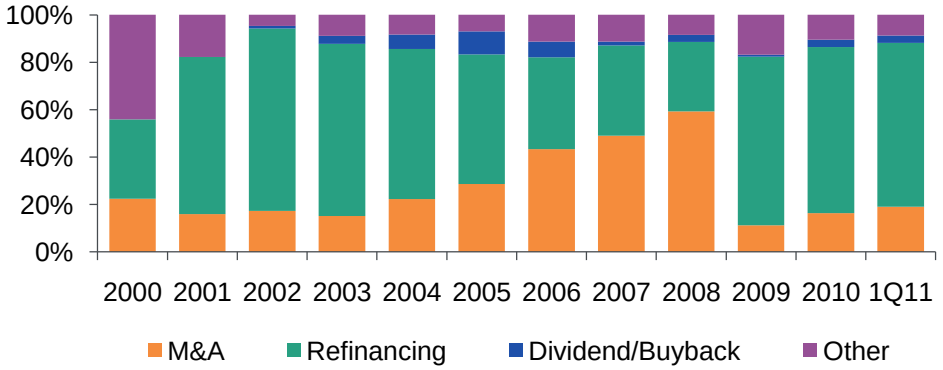
Use of Proceeds Has Been Diversifying Away from Refinancing

Use of Proceeds: U.S. Investment Grade

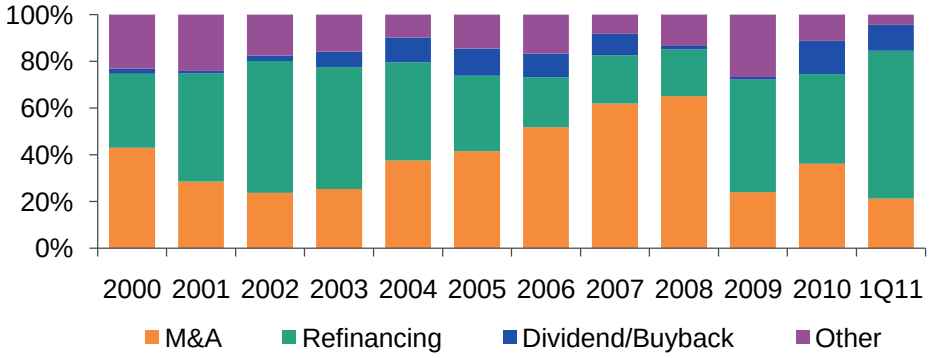


Source: Moody's Capital Markets Research Group
Data includes financial and non-financial institutions. Excludes 'general corporate purposes'. Does not sum to 100% as each issue can have multiple uses

Use of Proceeds: U.S. Speculative-Grade Bonds

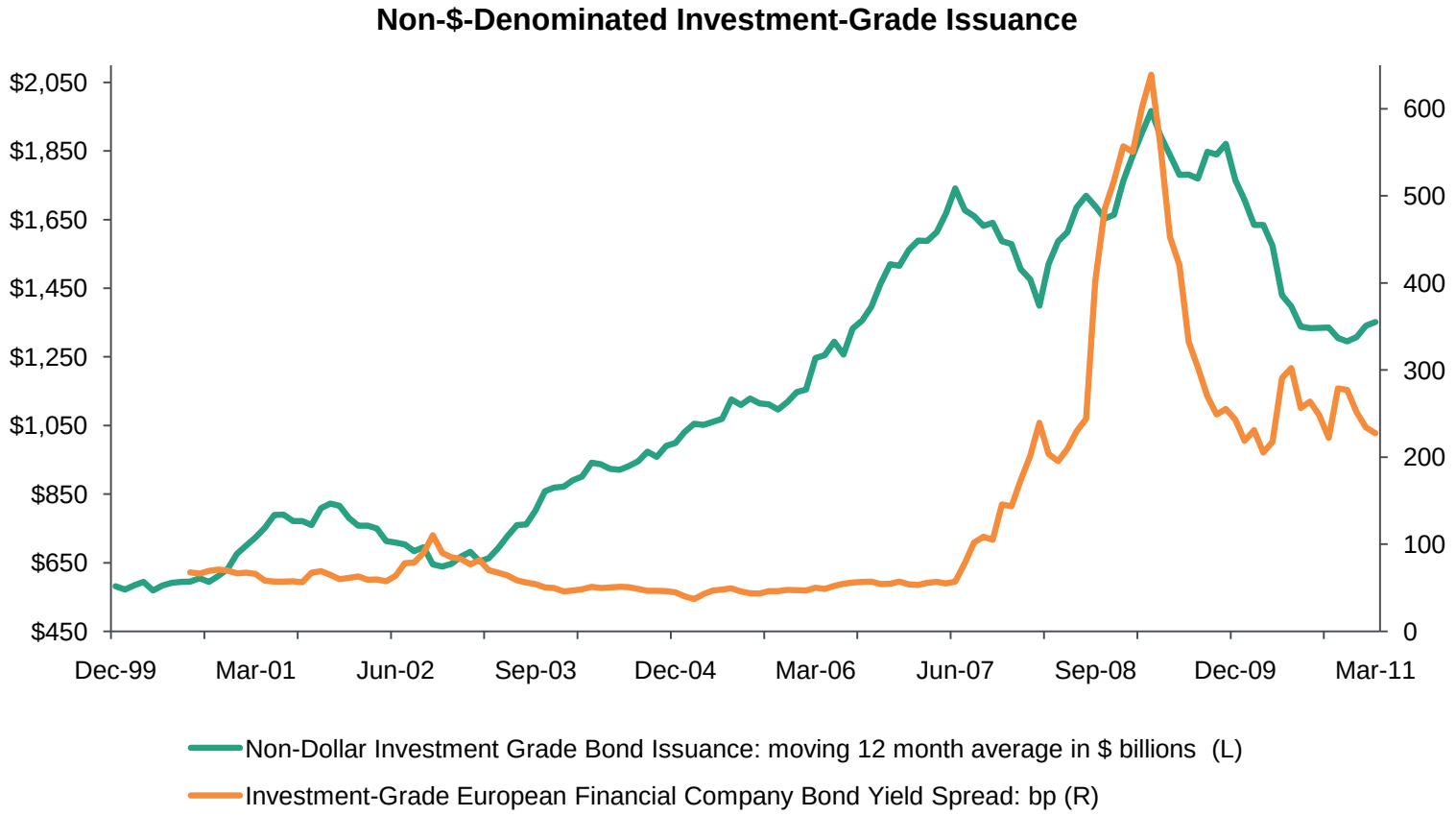


Use of Proceeds: U.S. Leveraged Loans



Source: Morgan Stanley

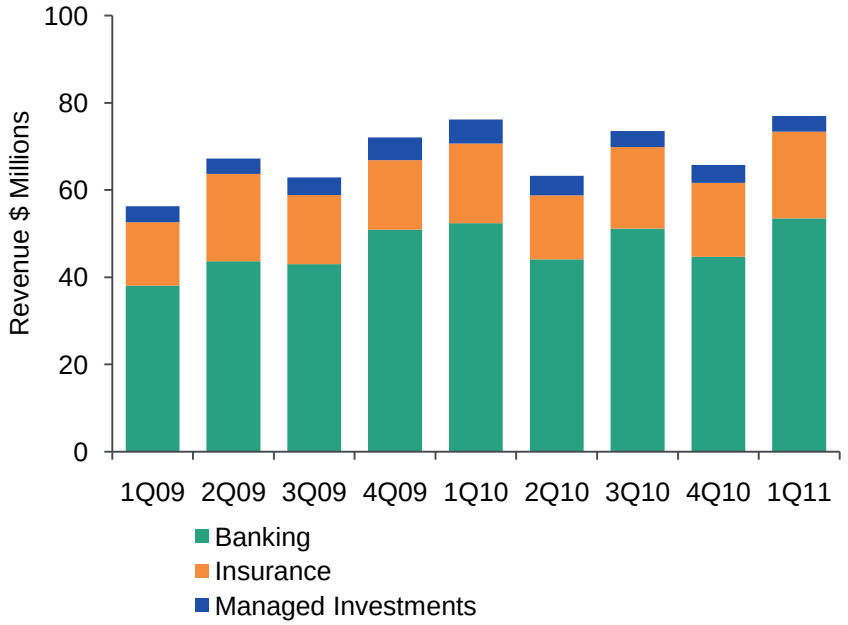
Non-Dollar Investment Grade Issuance Has Recently Increased as Bond Yield Spreads Have Fallen



Source: Dealogic, Barclays, Moody's Capital Markets Research Group

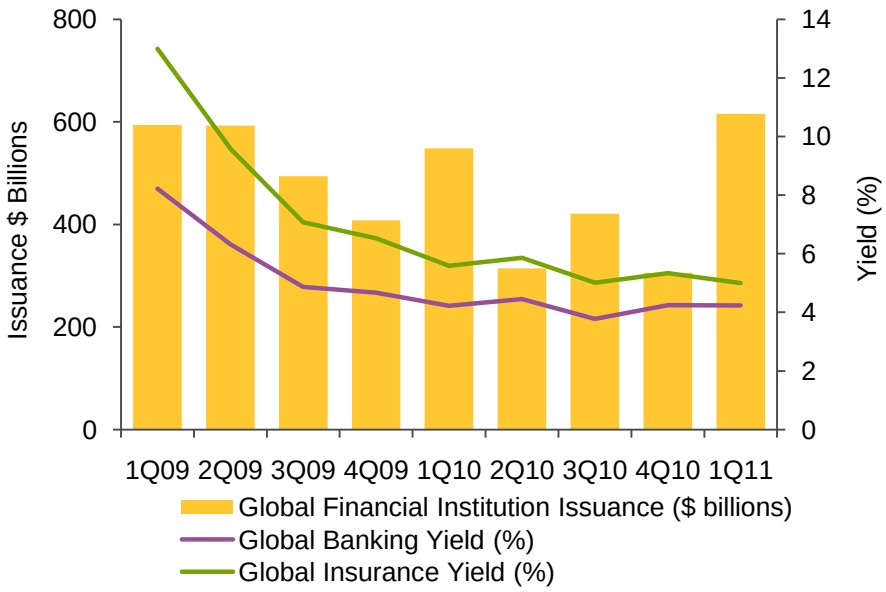
Market Conditions for Financial Institutions Are Improving

Revenue Mix: Financial Institutions



Historical data has been adjusted to conform with current information

Issuance: Global Financial Institutions



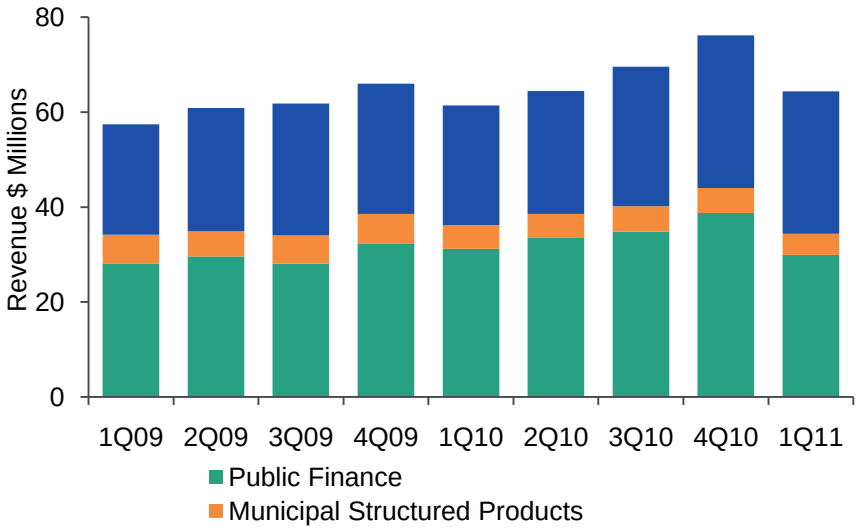
Source: Moody's Capital Markets Research Group, Dealogic

Debt issuance categories do not directly correspond to Moody's revenue categorization

- FIG revenue has a large recurring component and is relatively inelastic to issuance due to predominance of frequent-issuer contracts with larger financial institutions
- Expect revenue growth in 2011 as smaller financial institutions are returning to market opportunistically due to more favorable financing costs

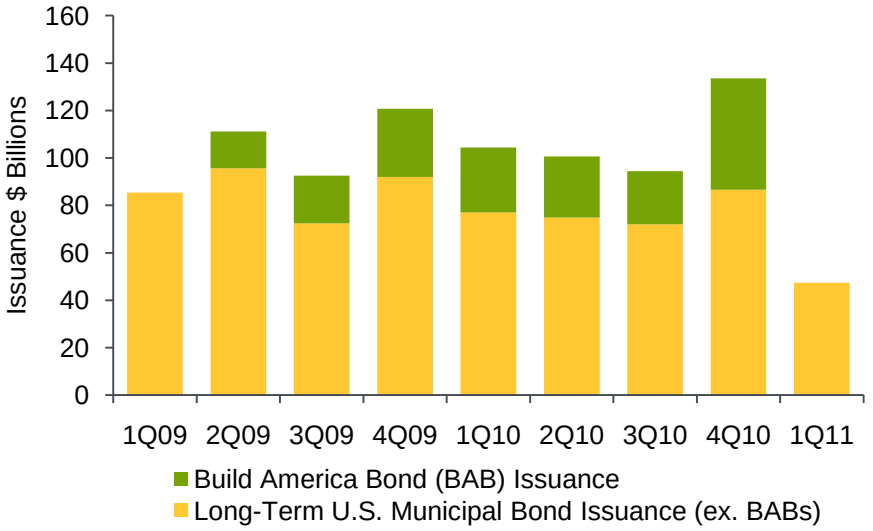
Growth in Public, Project & Infrastructure Finance Revenue To Be Driven by Infrastructure Spending

Revenue Mix: Public, Project & Infrastructure Finance



Historical data has been adjusted to conform with current information

Issuance: U.S. Municipal Bonds

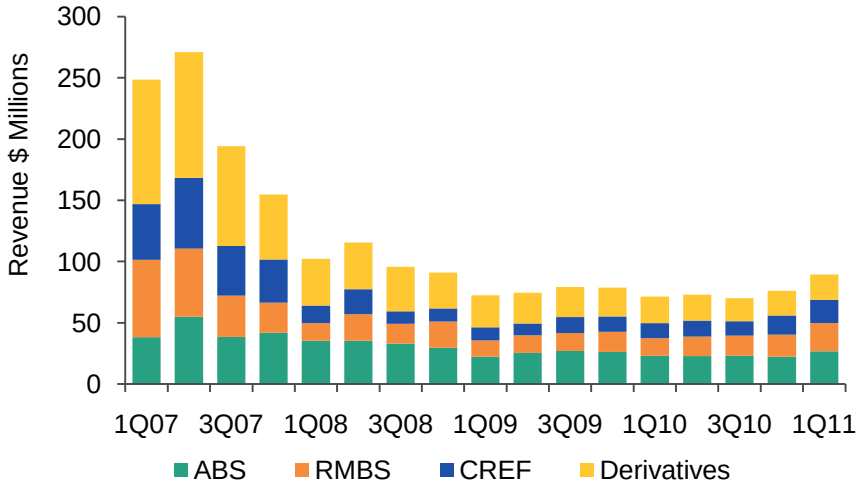


Source: Bond Buyer
Revenue from U.S. municipal finance bonds is included in the Public Finance segment. Debt issuance categories do not directly correspond to Moody's revenue categorization

- 2011 U.S. public finance activity affected by budgetary pressures and expiration of Build America Bond program in 2010
- Higher infrastructure spending outside the U.S. expected to generate growth in 2011

Structured Finance Conditions Have Stabilized

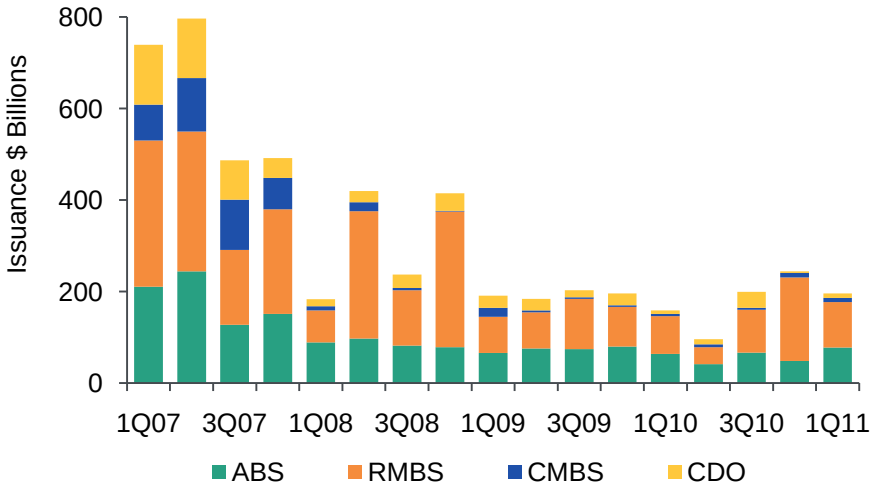
Revenue Mix: Structured Finance



Historical data has been adjusted to conform with current information

ABS includes asset-backed commercial paper and long-term asset-backed securities. CREF includes commercial mortgage-backed securities, real estate finance, and commercial real estate CDOs

Issuance: Global Rated Structured Finance



Source: AB Alert, CM Alert, Moody's Corporation

Debt issuance categories do not directly correspond to Moody's revenue categorization

- Regulatory uncertainty continues to weigh on overall structured finance activity
- Expect near-term issuance growth in U.S. CMBS and European covered bonds, gradual return of CLO activity and stabilization in U.S. ABS
- U.S. RMBS recovery unlikely if meaningful government role in housing finance continues

Moody's Analytics Helps Financial Institutions Manage Risk

Information

RESEARCH, DATA & ANALYTICS

- MIS research & data
- MIS ratings feeds
- Quantitative credit metrics (EDFs)
- Economic research, data & models
- Structured finance analytics & data

Systems

RISK MANAGEMENT SOFTWARE

- Financial spreading
- Private firm credit scoring
- Portfolio analytics & economic capital
- Regulatory capital reporting (Basel II & III)
- Asset-liability management (ALM)
- Exposure management
- Loan origination workflow
- Solvency II

Advice & Training

PROFESSIONAL SERVICES

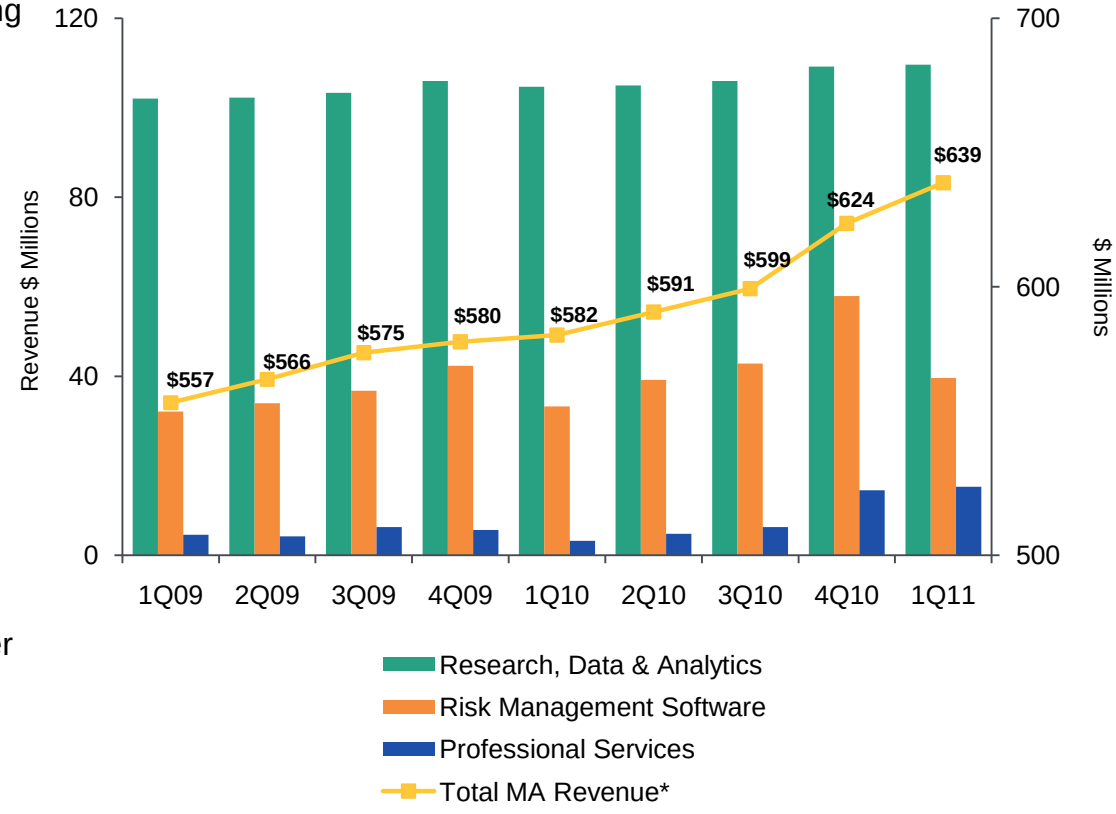
- Custom consulting projects
  - » Basel II implementation best practices
  - » Credit process reengineering & advisory
- Professional development programs
  - » Credit, financial & securities markets education
  - » "Soft skills" training
  - » Professional certifications

Moody's Analytics' offerings strengthen and build upon Moody's brand

- » Capitalize on Moody's credit expertise and global customer base
- » Certain offerings also establish Moody's reputation in emerging markets where use of ratings and research is still nascent

Business Conditions in Moody's Analytics Are Improving

- **Research, Data & Analytics:**
  - Customer demand firming with resumption in capital markets activity and stabilization among financial institutions
  - Renewal rates have returned to pre-crisis levels, supporting growth in run-rate
- **Risk Management Software:**
  - Strong performance driven by expansion of product offering to meet regulatory requirements and adoption of global best practices among banks in emerging markets
  - MA offers unique value proposition: leading quantitative analytics integrated within industrial- strength software platform
- **Professional Services:**
  - Customers now spending on training and advisory projects deferred during crisis, further driven by increased regulatory scrutiny and requirements for strengthening risk banks' management infrastructure
  - CSI Global Education and iRSQ (Institute of Risk Standards & Qualifications) strengthen Moody's position as a standards provider to the financial services industry



Historical data has been adjusted to conform with current information

* Represents trailing twelve months total revenue

Risk Management Software Helps Financial Institutions Address a Range of Key Risk Questions

Should we make this loan?

- Spread counterparty financial data
- Run default probability and loss-given-default to assign or validate risk score
- Track progress of loan origination through workflow tool
- 17 of the top 20 US banks use RiskAnalyst

What impact does this exposure have on our portfolio?

- Manage industry & regional exposures; implement limit-setting
- Identify risk contribution of exposures within the portfolio
- Calculate capital consumption and economic capital
- Named #1 economic capital calculation platform by *Risk* magazine (2009)

How can we comply with regulatory guidelines?

- Meet country-by-country reporting requirements for credit and liquidity risk, under Basel and Solvency regulations
- Named #1 regulatory reporting engine for Basel II compliance by *Risk* magazine (2009)

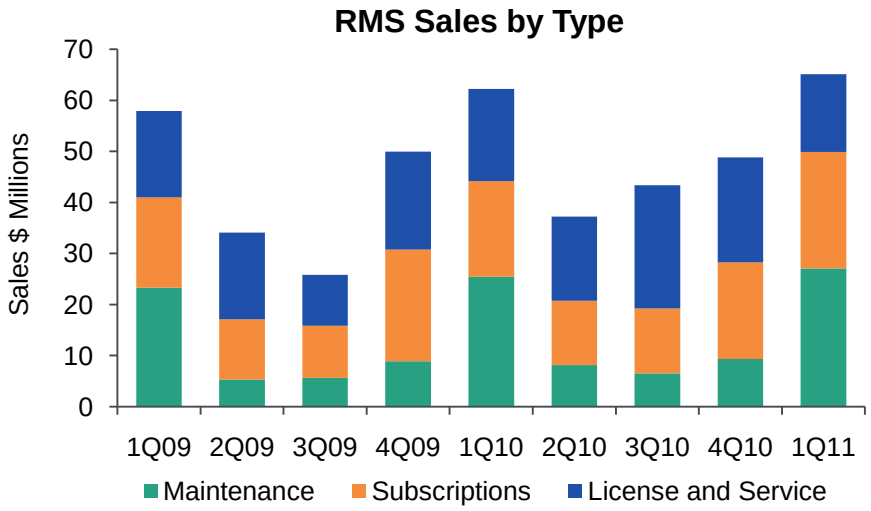
How should we manage our full balance sheet?

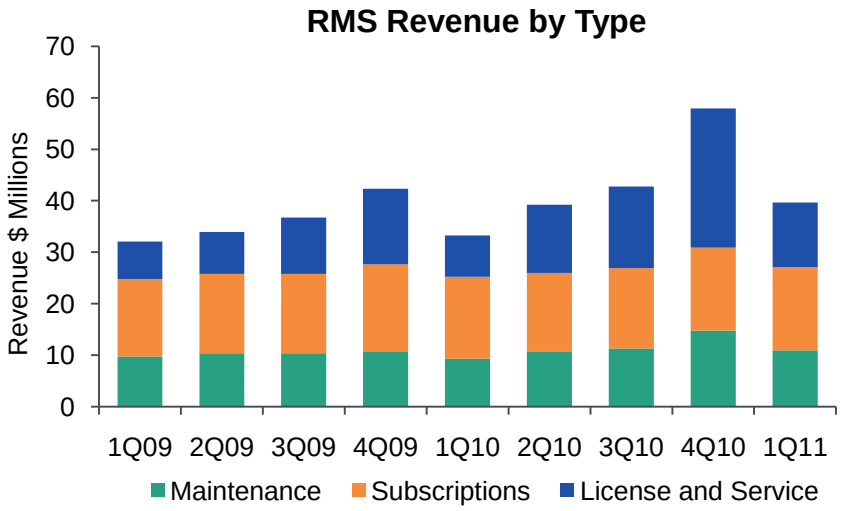
- Provide essential monitoring of balance-sheet risk across a wide range of assets and liabilities in the banking book
- Conduct stress testing for idiosyncratic or systemic crises

Supported by:

- Management dashboards, including scenario analysis capabilities across product suite
- Advisory services, as well as product-specific and broader and credit training
- Integrated data warehouse

Risk Management Software Has Attractive Fundamentals and Is Strategic to Moody's Brand



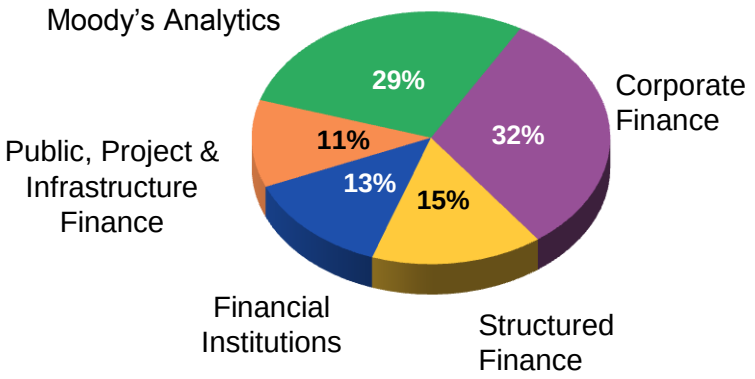


- Mix of one-time and recurring revenue (recurring revenue ~2/3 of total, or over $100 million annually)
  - One-time: License and service revenue recognized as implementation projects are completed, typically 12-24 months after contract
  - Recurring: Subscription and maintenance revenue recognized over contract periods
- Quarterly revenue can be volatile, reflecting "lumpiness" in revenue recognition as large projects are completed
  - Expect quarterly results to smooth as increased scale leads to higher proportion of recurring revenue from maintenance on installed base
- Global customer base includes 99 of top 100 banks by assets; over 1,400 clients in total

Global Footprint and Breadth of Moody's Businesses Provide Diversification

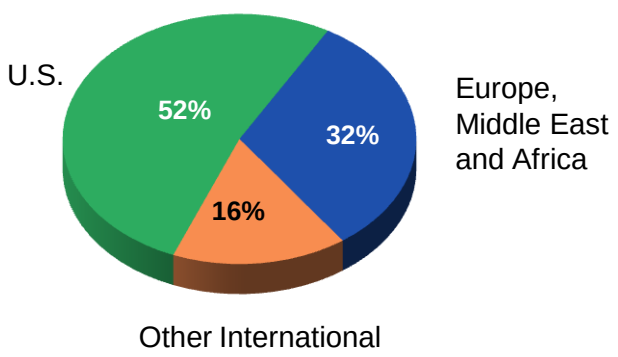
1Q11 REVENUE BY BUSINESS

TOTAL $577 MILLION



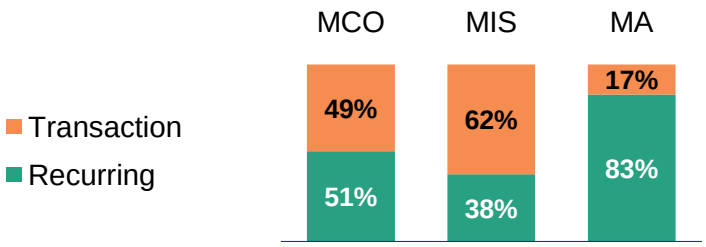
1Q11 REVENUE BY REGION

TOTAL $577 MILLION



1Q11 REVENUE BY TYPE

TOTAL $577 MILLION



TRANSACTION AND RECURRING REVENUE

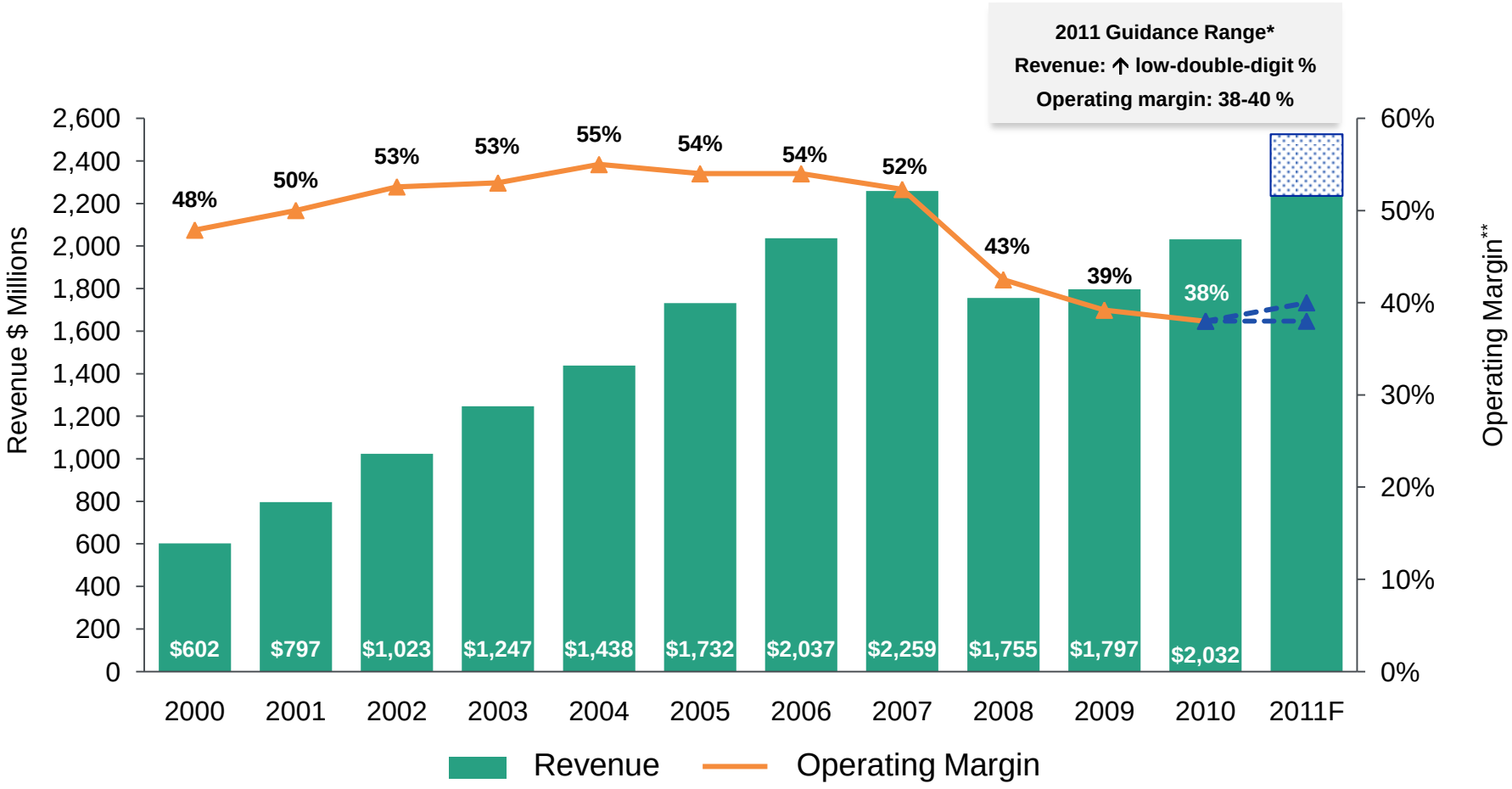
Moody's Investors Service

- **Transaction** revenue recognized when rating published
- **Recurring** revenue recognized ratably over security life

Moody's Analytics

- **Transaction** revenue recognized when service rendered
- **Recurring** revenue recognized ratably over contract period

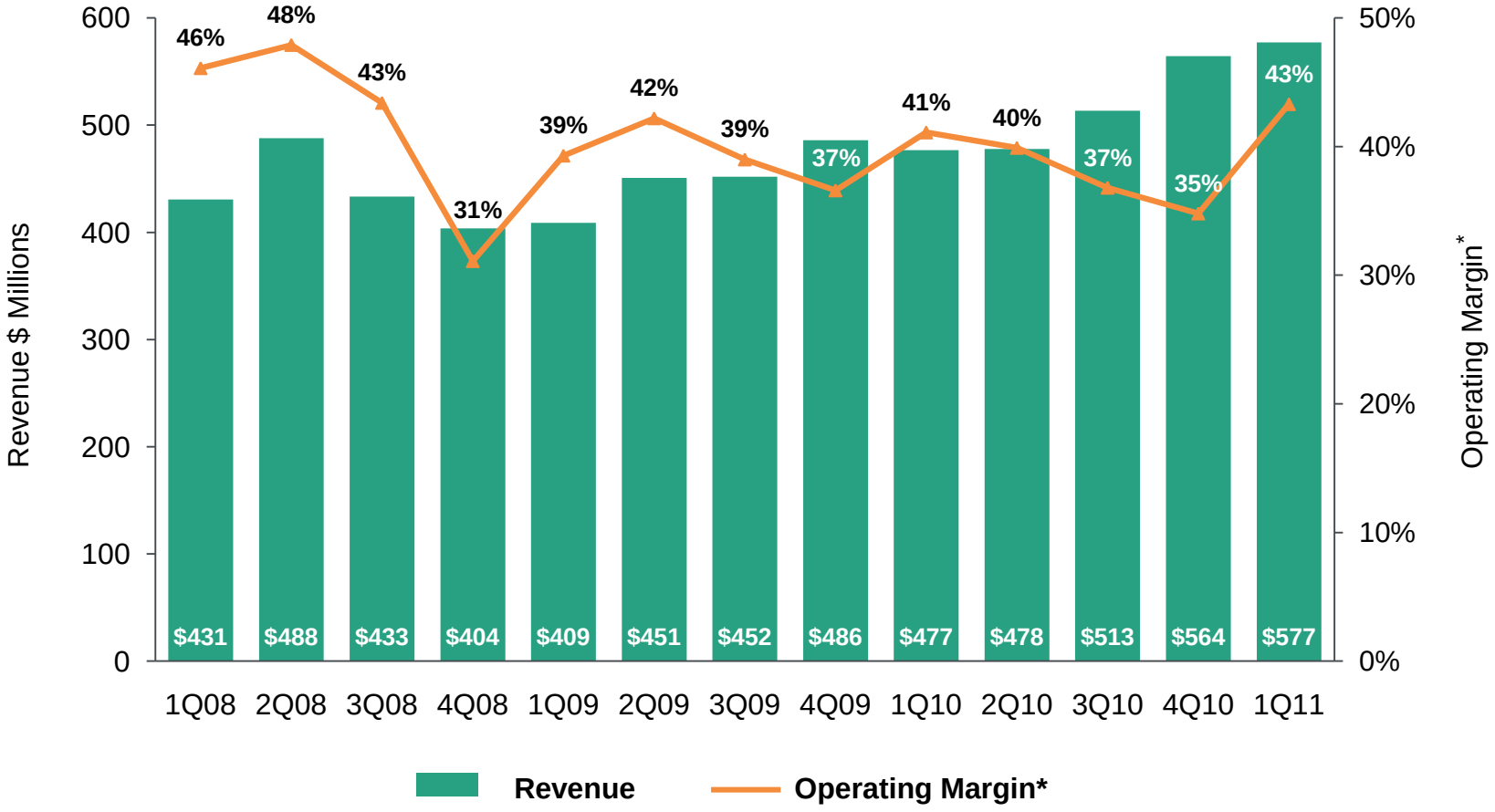
Expect Potential Margin Expansion in 2011 as Expense Growth Moderates



* Represents GAAP guidance provided on April 27, 2011

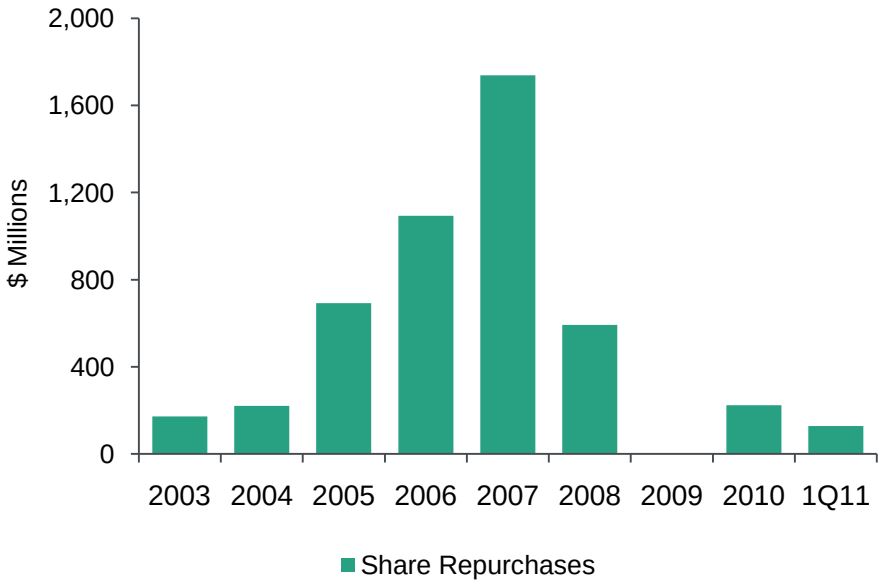
** Operating margin excludes the gain on the sale of Moody's former NY headquarters building (2006); restructuring charges and related adjustments (2007-2009)

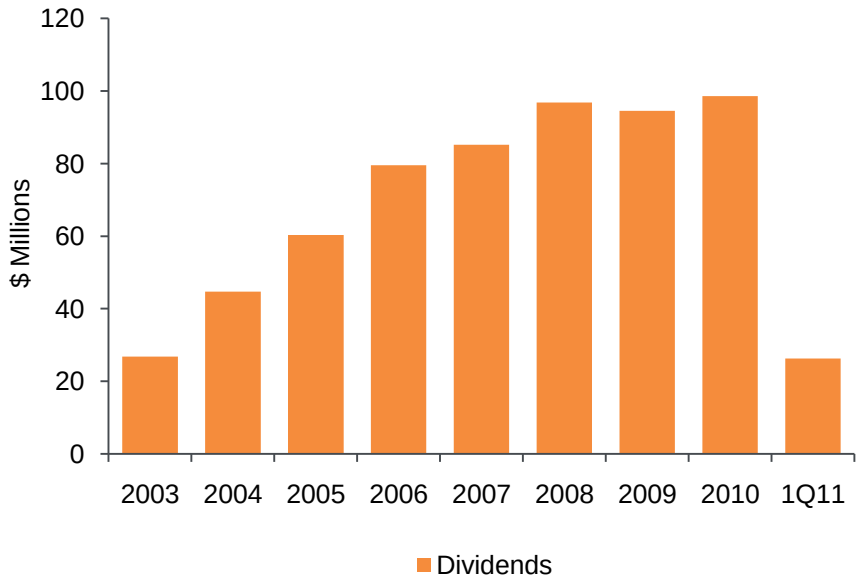
Operating Margin Tends to Follow a Pattern Throughout the Year Due to Typical Quarterly Drivers



* Operating margin excludes restructuring charges and related adjustments

Balancing Return of Capital with Other Capital Allocation Decisions and Liquidity Needs





- Share repurchases to continue at modest pace in 2011
- Declared 22% dividend increase in April 2011

Legislative and Regulatory Developments

» **United States**

- SEC is expected to propose rules through July 2011 and to adopt rules during the second half of 2011 for the majority of provisions relevant to NRSROs under the Dodd-Frank Act

» **Outside the U.S.**

- European Securities and Markets Authority (ESMA), established in January 2011, will have direct supervisory responsibility for the CRA industry in the EU by July 2011
- Submitted application for registration of EU-based entities and for endorsement of non-European credit ratings
- Continue to advocate for globally consistent approaches that align with the G-20's statements as regulatory reviews and activity occur in other jurisdictions

Full-Year 2011 Guidance as of April 27, 2011

Moody's Corporation

- **Revenue:** Increase in the low-double-digit percent range
- **Operating expenses:** Increase in the high-single-digit percent range
- **Operating margin:** In the range of 38 to 40 percent
- **Effective tax rate:** Approximately 36 percent
- **Earnings per share:** In the range of $2.22 to $2.32

Appendix

Moody's is a Global Organization

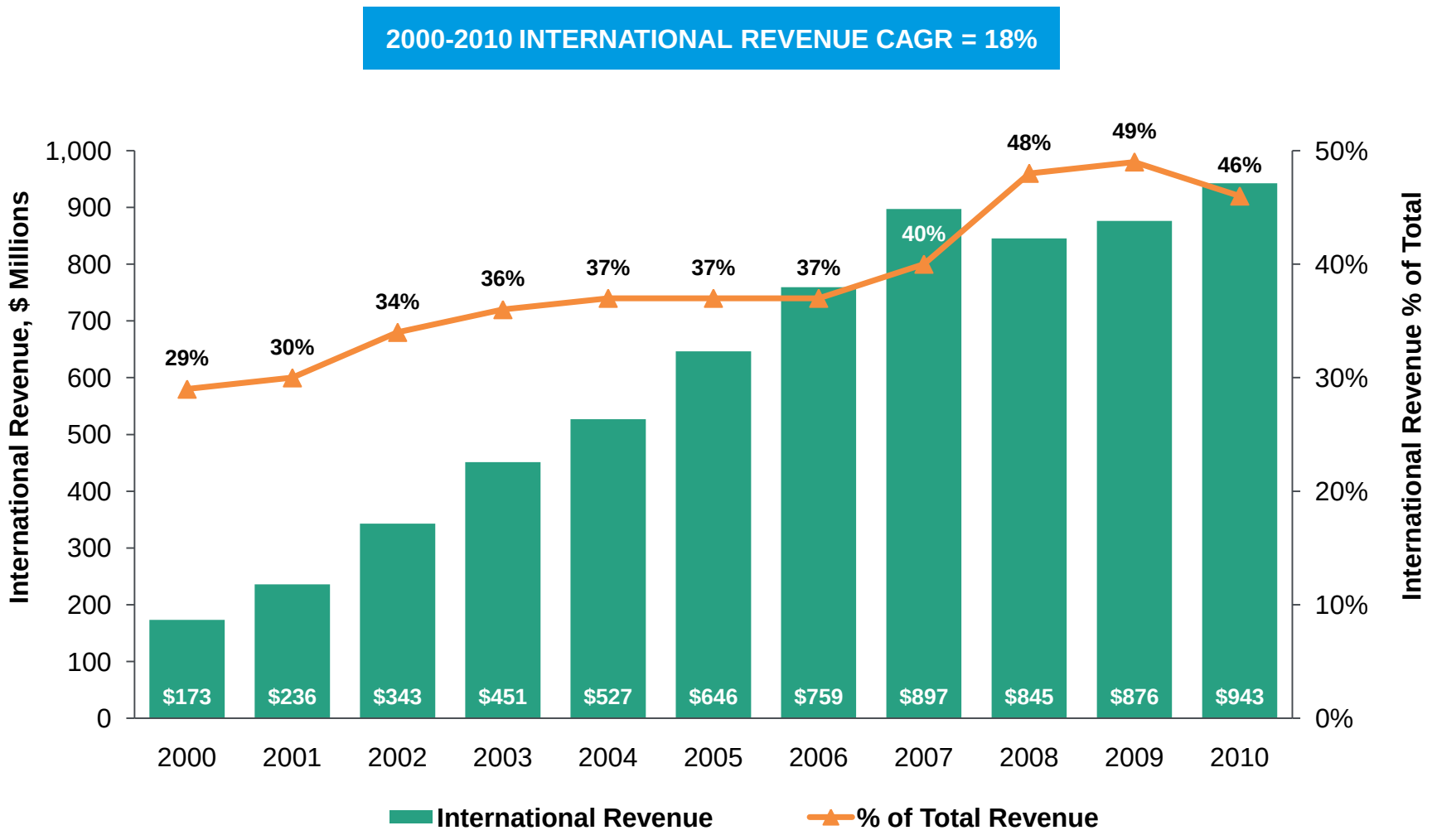


Moody's Global Staffing

- More than 1,200 analysts
- Approximately 4,500 employees
- Presence in 26 countries

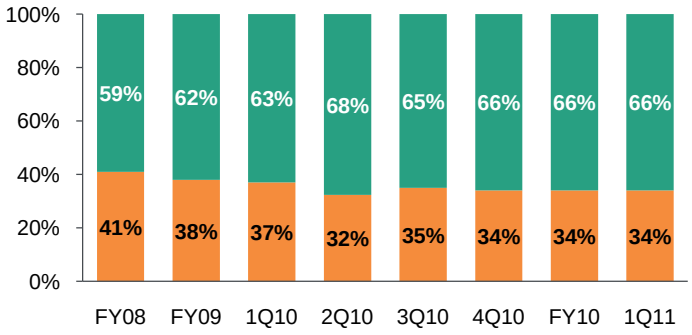
	US	Non-US	Total
3/31/2011	2,347	2,167	4,514
3/31/2010	2,162	1,867	4,029

Moody's International Growth

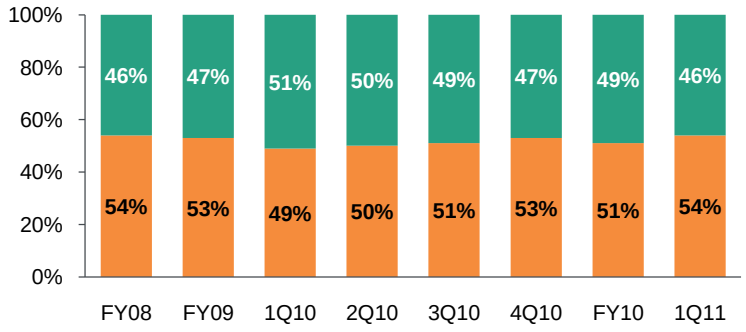


Geographic Revenue Distribution

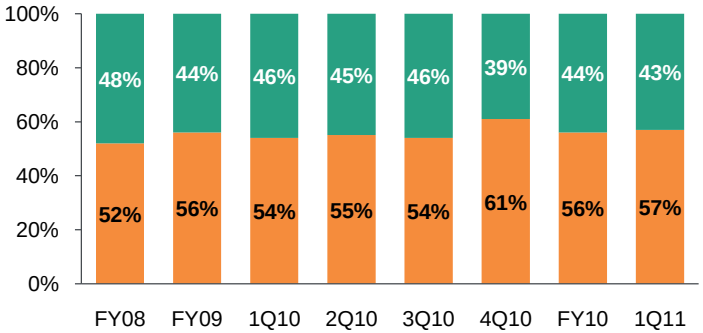
Corporate Finance



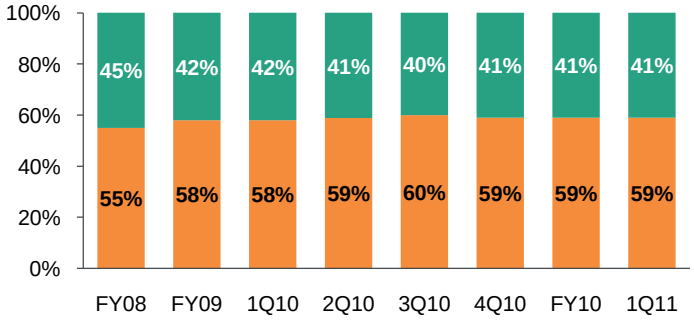
Structured Finance



Analytics



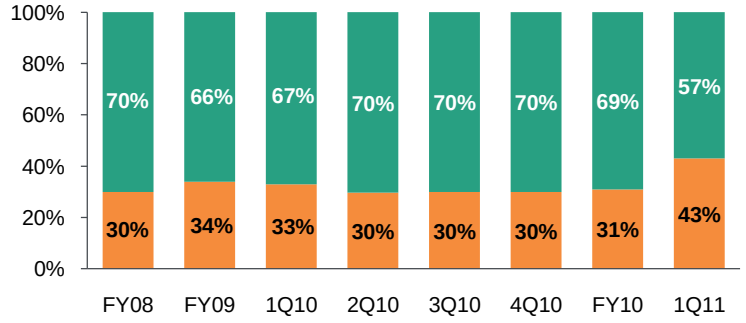
Financial Institutions



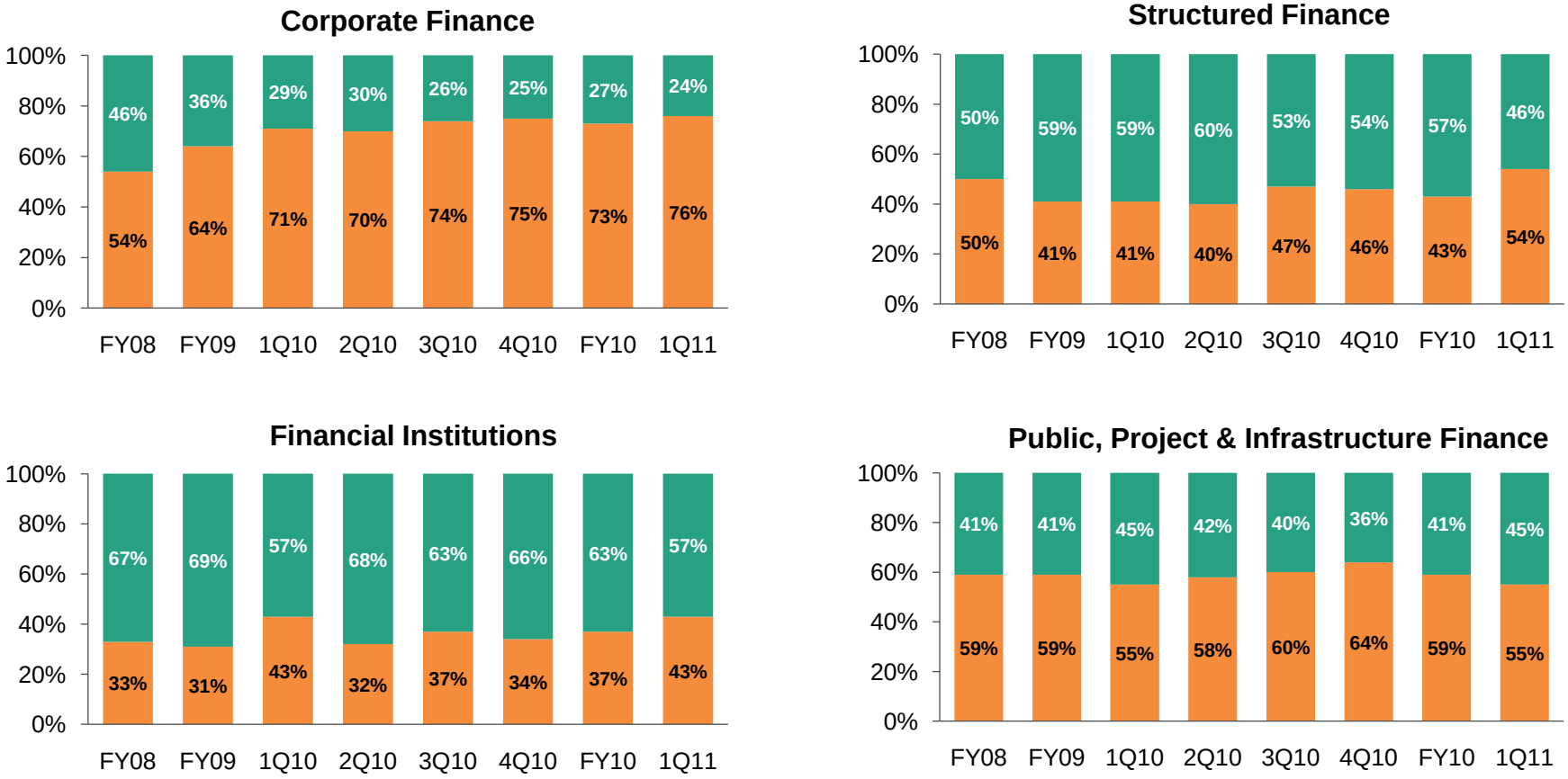
U.S. Non-U.S.

Historical data has been adjusted to conform with current information

Public, Project & Infrastructure Finance

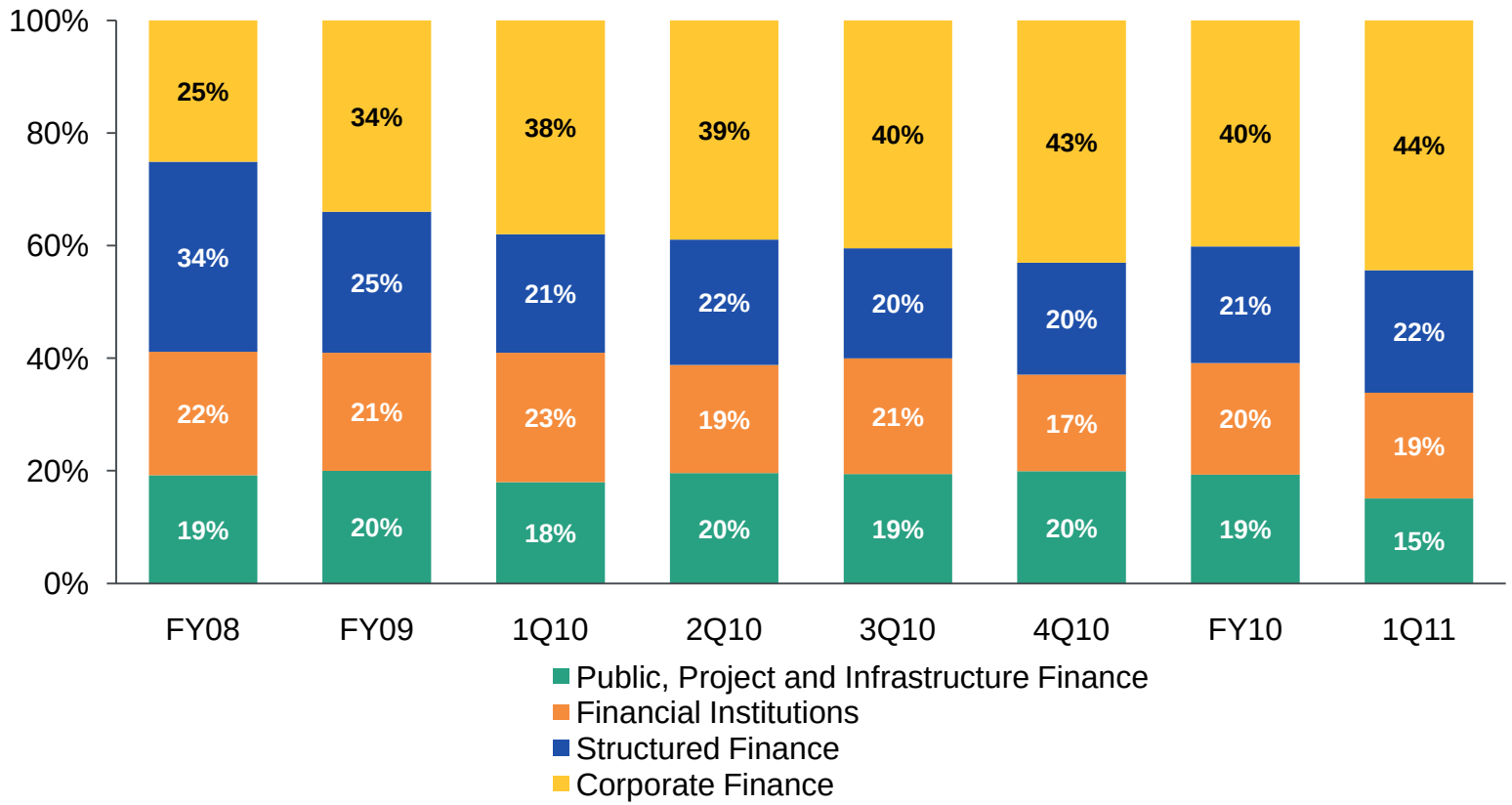


Moody's Investors Service Revenue Mix by Business Line
Transaction vs. Recurring



Historical data has been adjusted to conform with current information

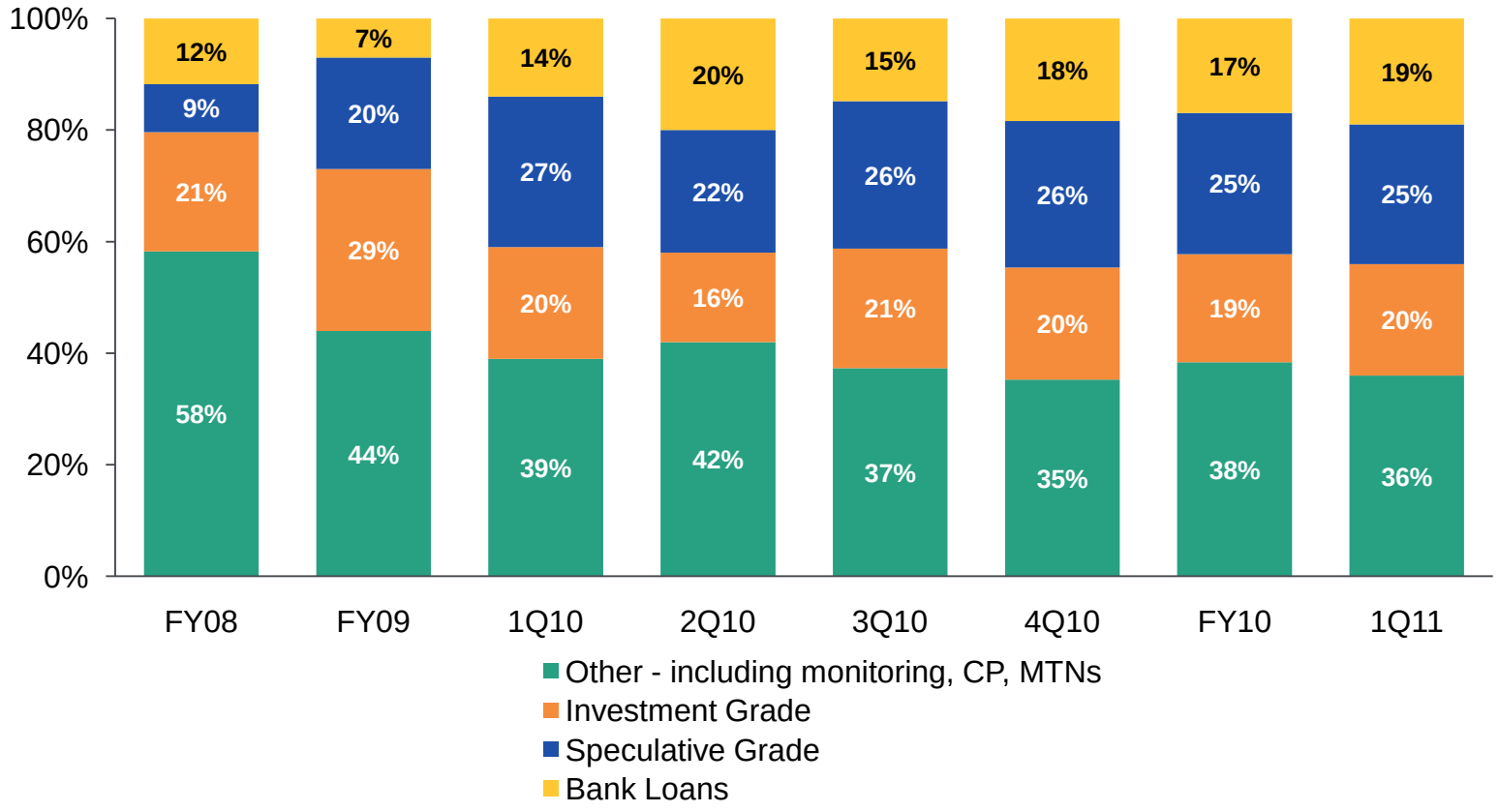
Moody's Investors Service Revenue Distribution
by Line of Business



Historical data has been adjusted to conform with current information

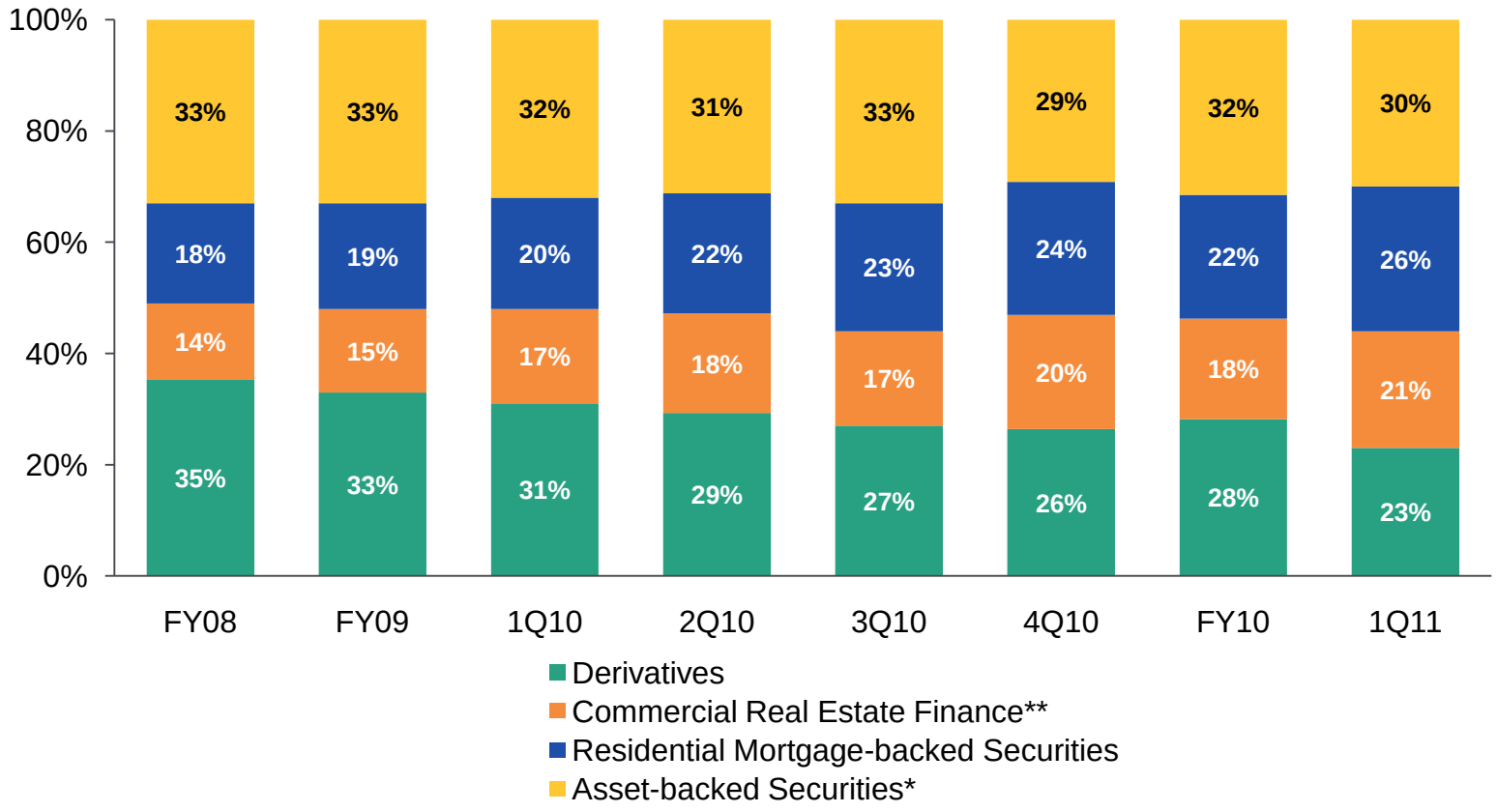
Represents revenue for MIS excluding intersegment royalty

Corporate Finance Revenue Distribution
by Product



Historical data has been adjusted to conform with current information

Structured Finance Revenue Distribution
by Asset Class

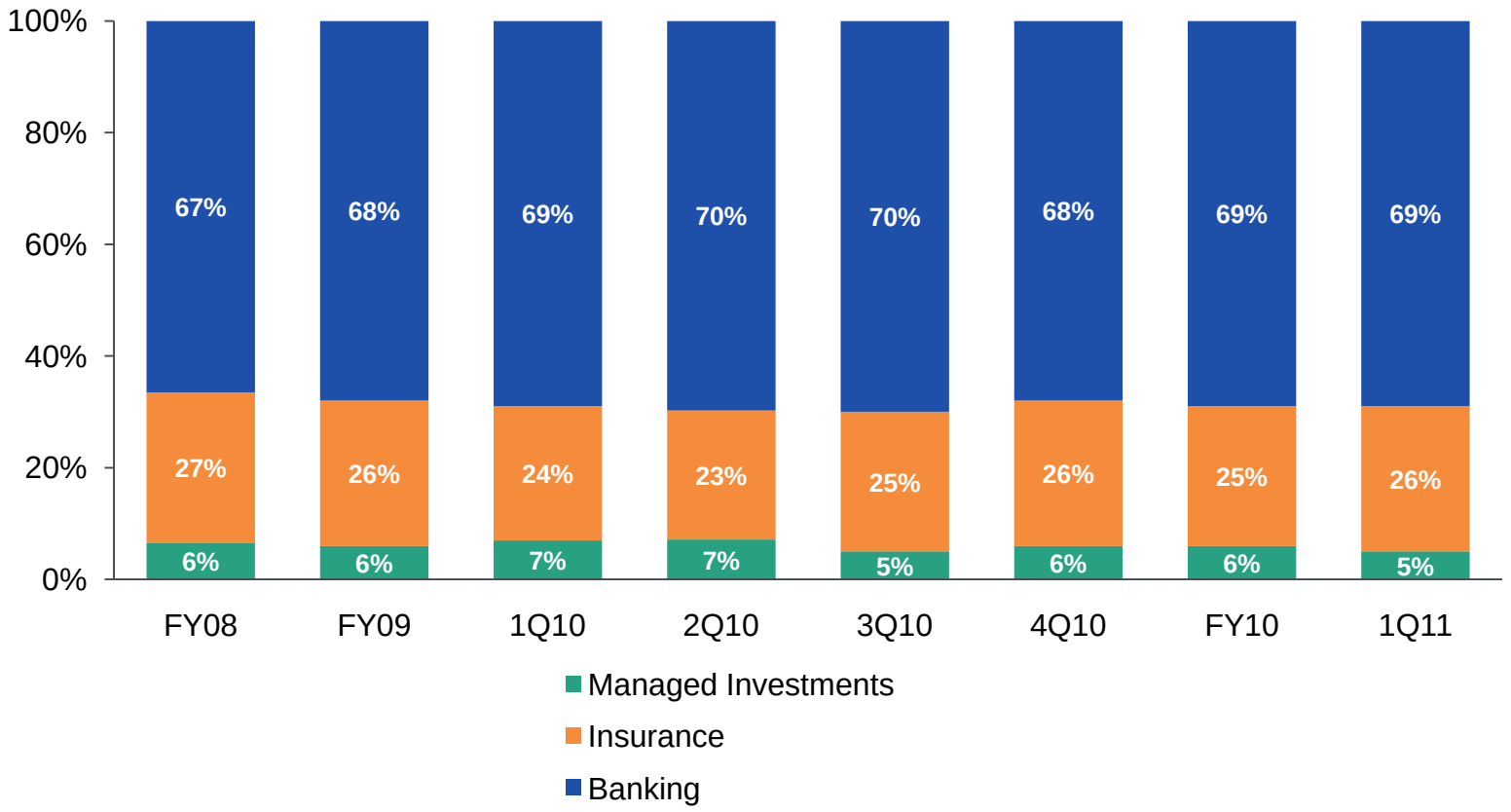


Historical data has been adjusted to conform with current information

* ABS includes asset-backed commercial paper and long-term asset-backed securities

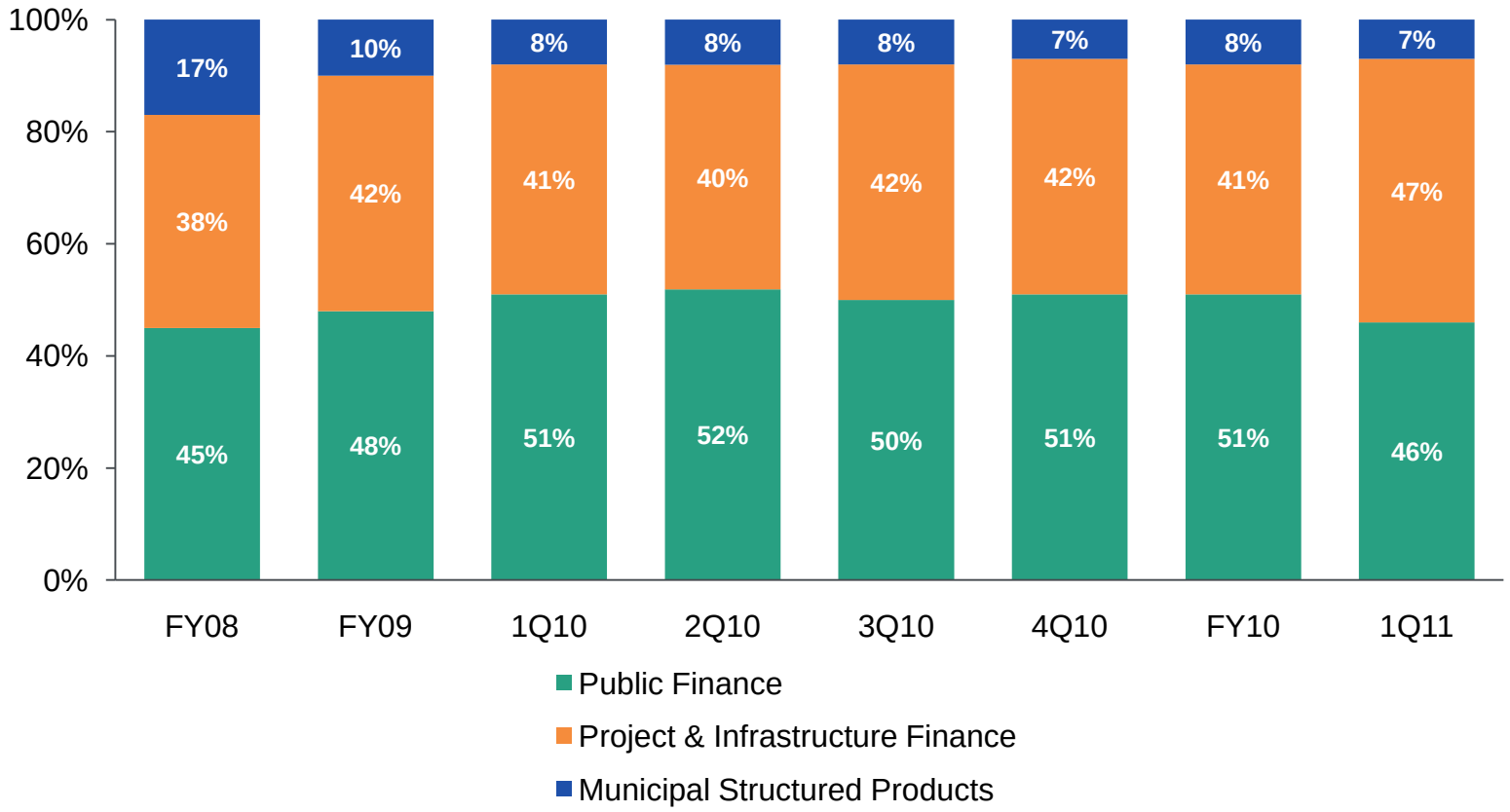
** CREF includes commercial mortgage-backed securities, real estate finance, and commercial real estate CDOs

Financial Institutions Revenue Distribution
by Product



Historical data has been adjusted to conform with current information

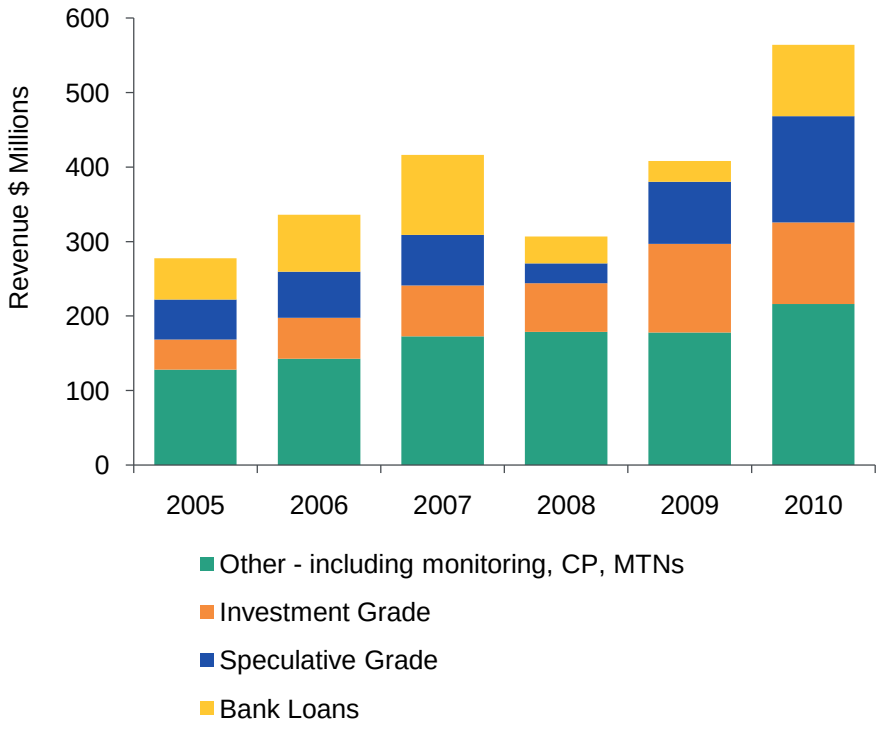
Public, Project & Infrastructure Revenue Distribution
by Product



Historical data has been adjusted to conform with current information

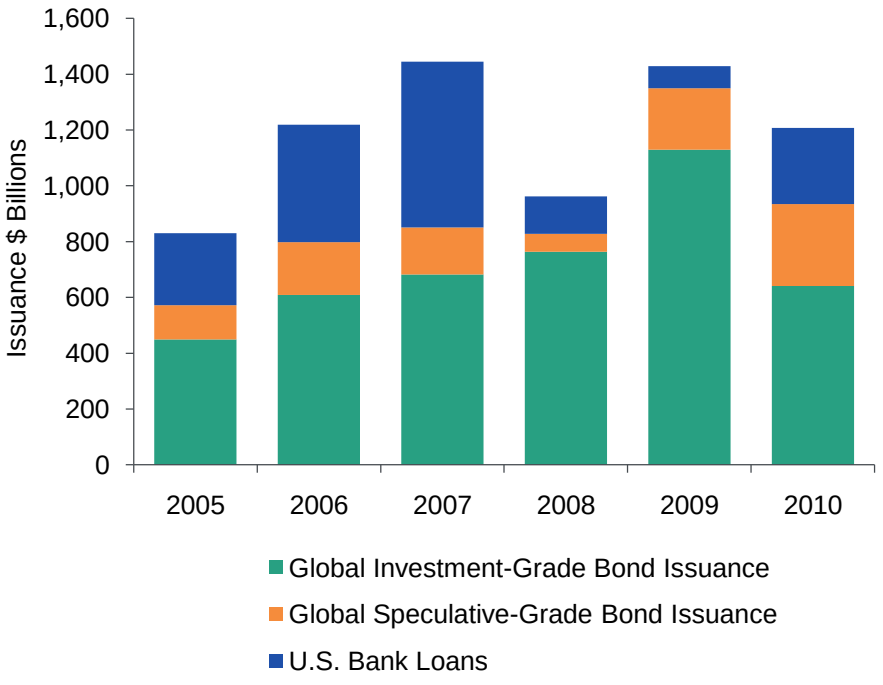
Historical MIS Revenue and Issuance
Corporate Finance

Revenue Mix: Corporate Finance



Historical data has been adjusted to conform with current information

Issuance: Global Investment Grade and High Yield Bonds and U.S. Bank Loans



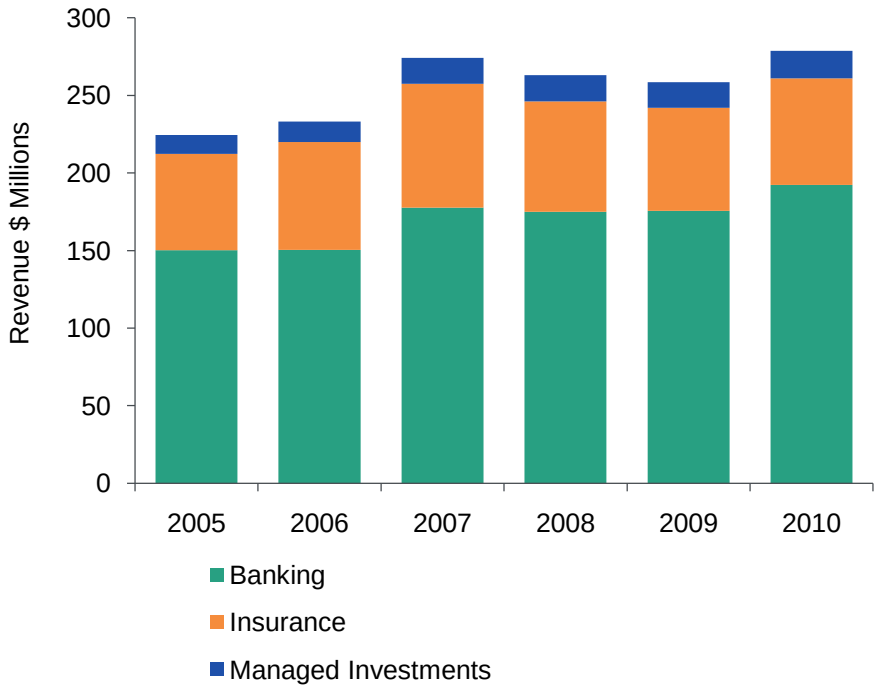
Source: Moody's Capital Markets Research Group, Dealogic

U.S. Bank Loan issuance represents rated new U.S. bank loan programs

Debt issuance categories do not directly correspond to Moody's revenue categorization

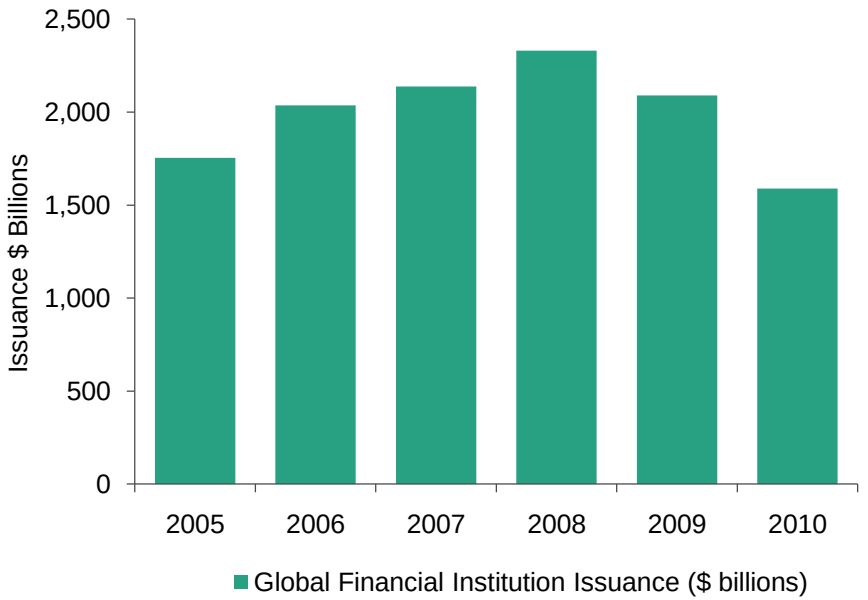
Historical MIS Revenue and Issuance
Financial Institutions

Revenue Mix: Financial Institutions



Historical data has been adjusted to conform with current information

Issuance: Global Financial Institutions

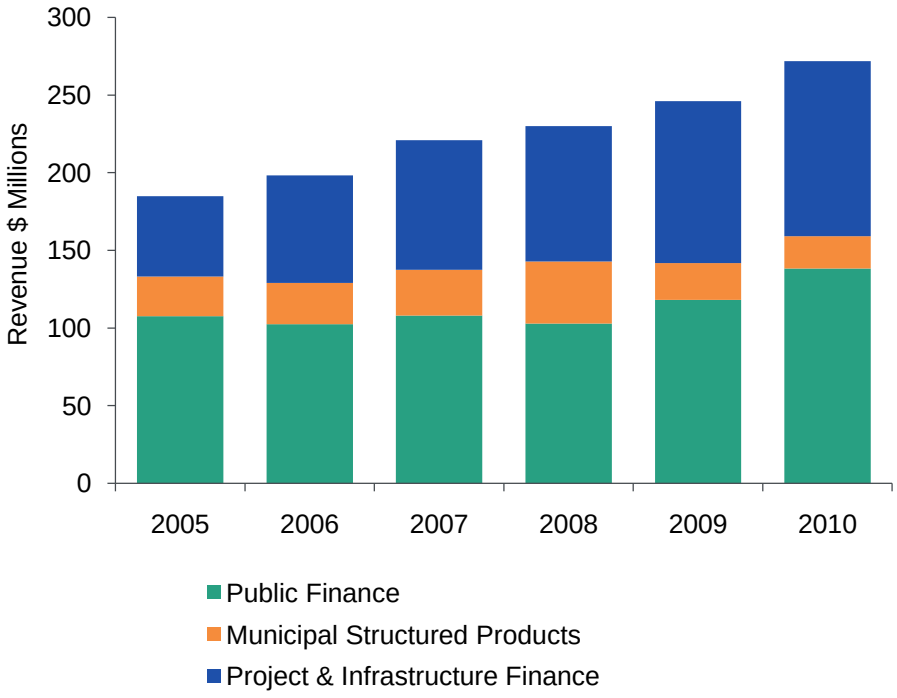


Source: Moody's Capital Markets Research Group, Dealogic

Debt issuance categories do not directly correspond to Moody's revenue categorization

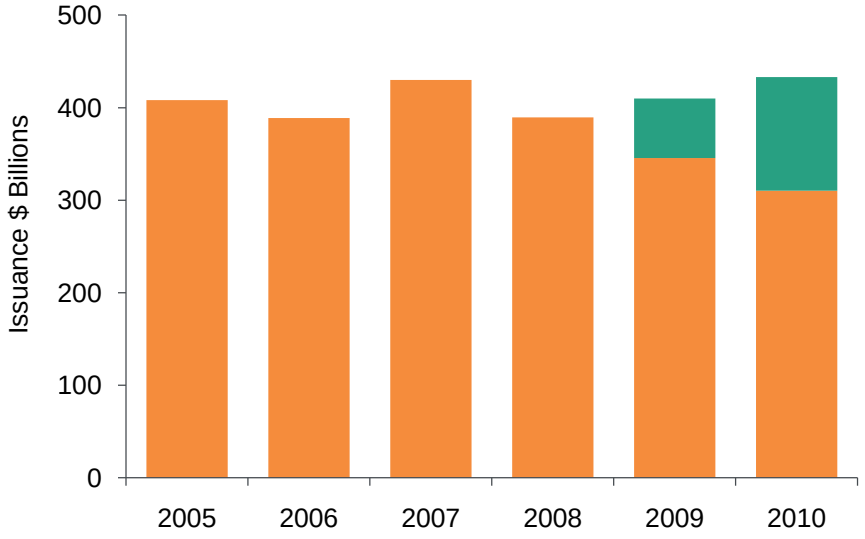
Historical MIS Revenue and Issuance
Public, Project and Infrastructure Finance

Revenue Mix: Public, Project & Infrastructure Finance



Historical data has been adjusted to conform with current information

Issuance: U.S. Municipal Bonds

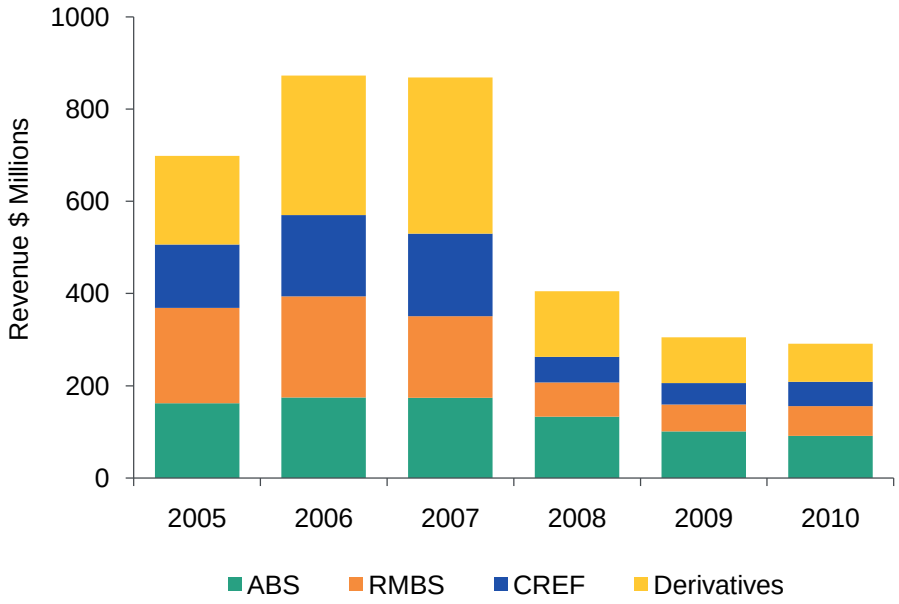


Source: Bond Buyer

Revenue from U.S. municipal finance bonds is included in the Public Finance segment. Debt issuance categories do not directly correspond to Moody's revenue categorization

Historical MIS Revenue and Issuance
Structured Finance

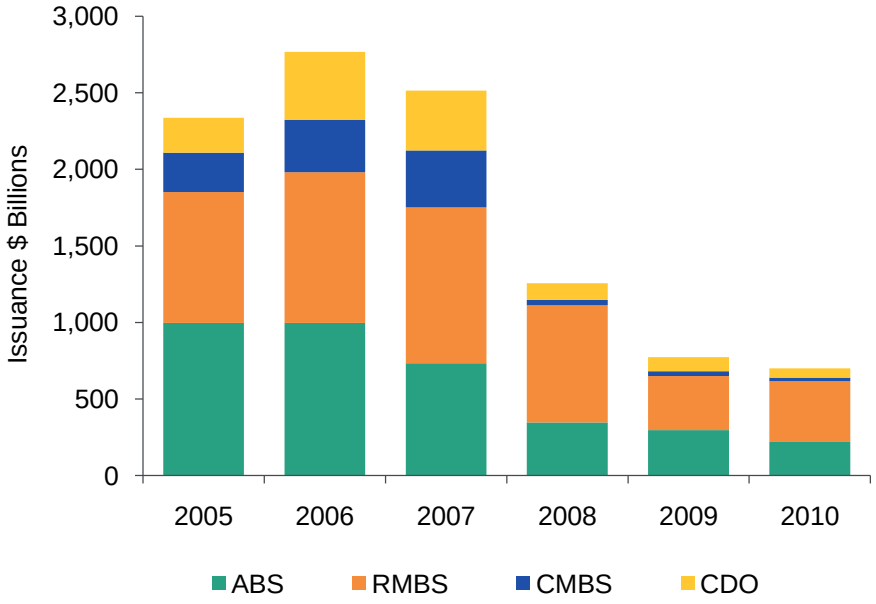
Revenue Mix: Structured Finance



Historical data has been adjusted to conform with current information

ABS includes asset-backed commercial paper and long-term asset-backed securities. CREF includes commercial mortgage-backed securities, real estate finance, and commercial real estate CDOs

Issuance: Global Rated Structured Finance



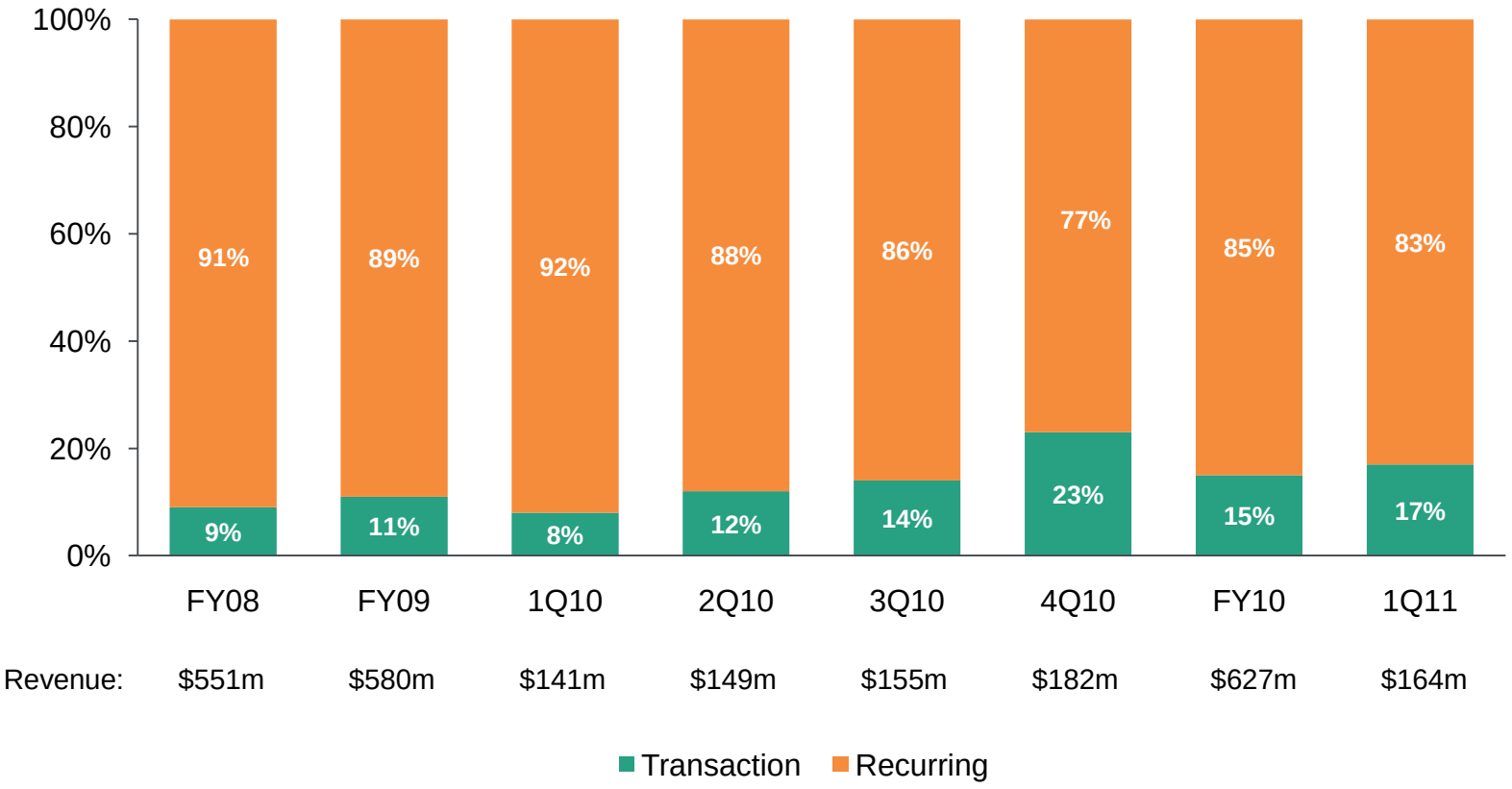
Source: AB Alert, CM Alert, Moody's Corporation

Debt issuance categories do not directly correspond to Moody's revenue categorization

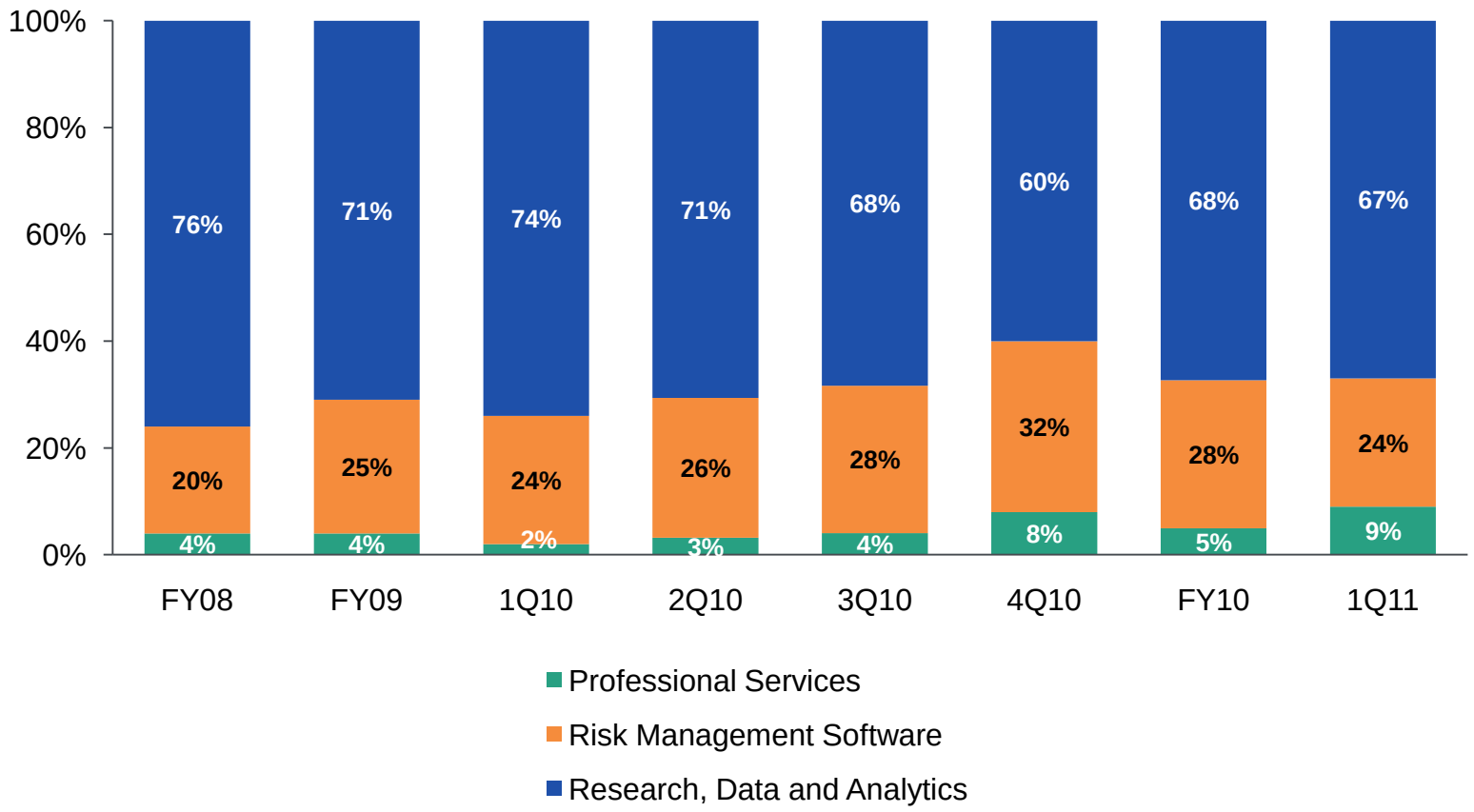
Regulatory Uncertainty Continues to Weigh on New Securitization Conditions

ADOPTED	**FAS 166/167**	Requirement to consolidate ABCP on sponsor banks' balance sheet may lead to lower ABCP outstanding levels, when combined with potentially higher regulatory capital costs. Also affects credit card safe harbor provisions. May make sale treatment harder to achieve for CMBS.
	SEC rule 17g-5	Requires NRSROs hired by arrangers to rate SF products to disclose information about rating engagement to other NRSROs so that they can develop unsolicited ratings
	Dodd-Frank Act	Requires retention of an unhedged (and untransferable) 5% credit risk of SF securities potentially dampening U.S. SF issuance. This may cause the SPV to stay on securitizer's balance sheet under FAS 167 if the securitizer manages the SPV in a way that substantially affects its performance
	FDIC "safe harbor" treatment	Limited issuance impact, depends on how economical bank-sponsors of securitizations will consider safe harbor compliance, as compared to alternative financing sources
PROPOSED	**Basel II**	Increases bank capital requirements for securitizations: – Triples capital requirements for resecuritizations in banking book – Treats securitization exposures in trading book as if those were held in banking book, potentially resulting in significantly higher market risk capital charges
	Revised SEC Regulation AB	Increases disclosure and may reduce issuance volume – Requires originators to file loan-level information with the SEC – New requirements for shelf registrations, including 5% risk retention – Requirement to disclose credit rating in registration statements was waived indefinitely
	FASB/IASB joint financial instruments accounting projects	Requires nearly all financial instruments, including loans, to be carried at fair value. May create disincentive to hold securitized assets but conversely also would incentivize banks to securitize more of their loan portfolios

Moody's Analytics Revenue Mix
Transaction vs. Recurring

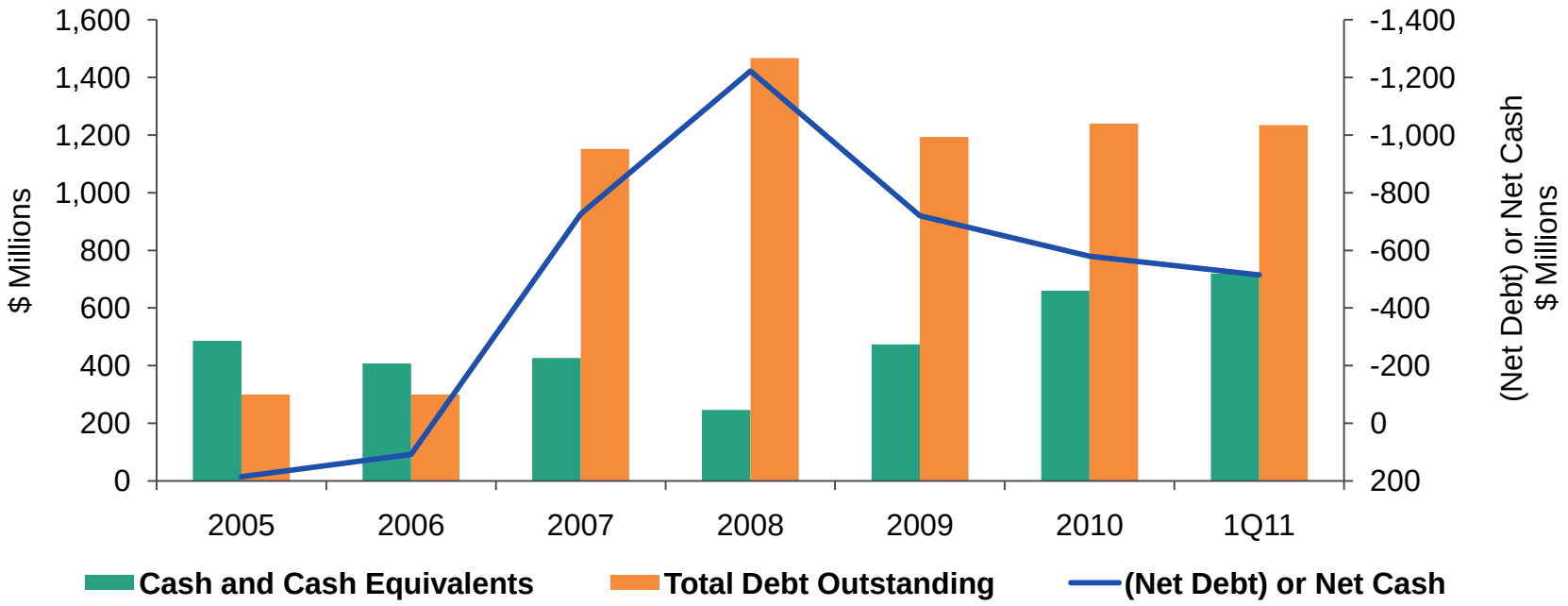


Moody's Analytics Revenue Distribution
by Line Segment



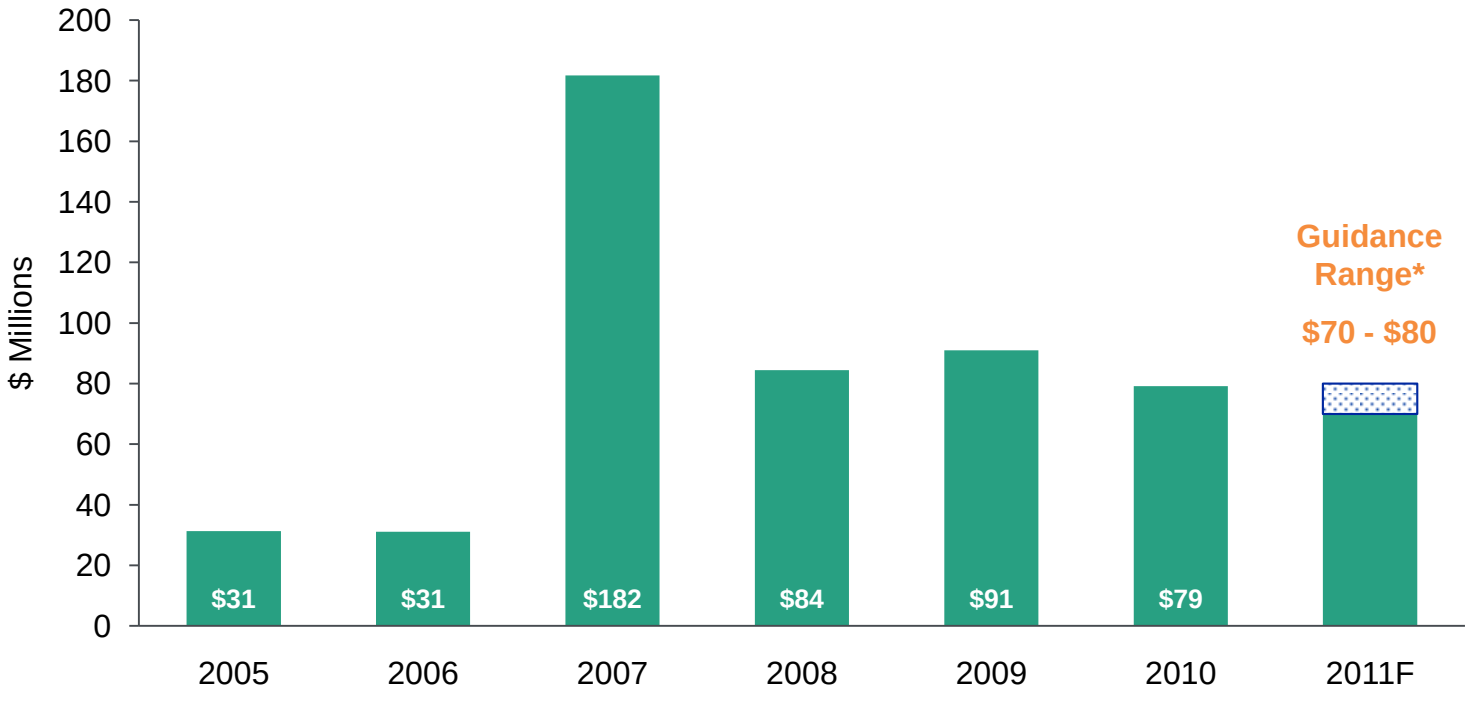
Historical data has been adjusted to conform with current information

Balance Sheet Remains Strong



- Cash flow generation continues to be strong and reflects improvement in fundamentals
- Over $1 billion of additional capacity available under revolving credit facility
- No major debt repayment due until late 2012

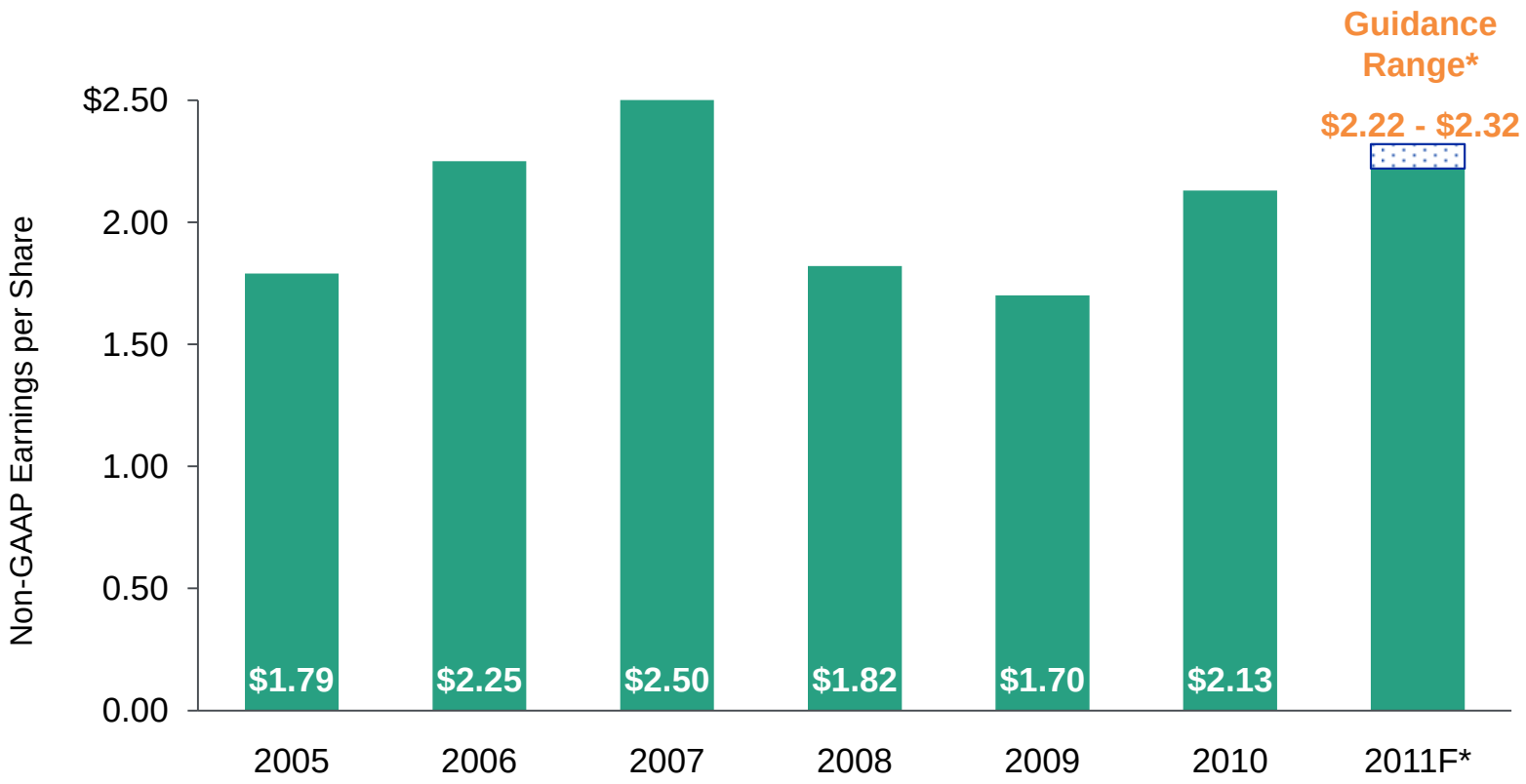
Limited Capital Expenditures to Support Business Needs



* 2010 forecast represents guidance provided on April 27, 2011

- Near-term spending on technology for compliance and process improvement
- 2007-2010 figures include costs associated with build-out of New York and London offices
- Normalized long-term CapEx expected in the $70 to $90 million range

MCO Non-GAAP Earnings Per Share



* Represents GAAP guidance provided on April 27, 2011

2010 EPS includes $0.15 of tax benefits associated with foreign earnings and state taxes

EPS is shown on a non-GAAP basis. Non-GAAP basis excludes: certain legacy tax matters and adjustments (2005-2010); restructuring charges and related adjustments (2007-2009); the gain on sale of Moody's former NY headquarters building (2006). 2005 reflects impact of stock compensation expense determined as if FAS123 was adopted on its effective date

All figures adjusted to reflect 2-for-1 stock split effective May 2005

Reconciliation of Non-GAAP EPS Measures to GAAP

	2010	2009	2008
GAAP diluted EPS as reported	**2.15**	**$ 1.69**	**$ 1.87**
Non-GAAP adjustments [(a)]:			
Impact of restructuring	-	0.05	(0.01)
Impact of legacy tax items	(0.02)	(0.04)	(0.04)
Non-GAAP diluted EPS	**2.13**	**$ 1.70**	**$ 1.82**
Shares used in diluted EPS calculation (millions)	**236.6**	**237.8**	**245.3**

(a) Non-GAAP EPS adjustments may differ from figures disclosed in earnings releases due to rounding

2008 Revenue MIS Business Line Reclassification

in $millions

Reporting as per 2008 filings	1Q	2Q	3Q	4Q	FY08**
Structured Finance	$ 107.2	$ 120.1	$ 97.7	$ 92.2	$ 417.2
Corporate Finance	71.5	97.4	75.0	56.6	300.5
Financial Institutions	64.0	72.1	64.4	56.5	257.0
Public, Project & Infrastructure Finance	55.5	66.2	59.7	48.6	230.0
Total Moody's Investors Service*	**298.2**	**355.8**	**296.8**	**253.9**	**1,204.7**
Total Moody's Analytics	**132.5**	**131.8**	**136.6**	**149.8**	**550.7**
Total Moody's Corporation	**$ 430.7**	**$ 487.6**	**$ 433.4**	**$ 403.7**	**$ 1,755.4**

Reclass for 2008 and 2009 Business Change: Managed Investments, Credit Estimates					
Structured Finance	$ (4.8)	$ (4.5)	$ (2.0)	$ (1.2)	$ (12.5)
Corporate Finance	1.8	1.6	2.0	1.1	6.5
Financial Institutions	3.0	3.0	-	-	6.0
Public, Project & Infrastructure Finance	-	-	-	-	-
Total Moody's Investors Service	**-**	**-**	**-**	**-**	**-**
Total Moody's Analytics	-	-	-	-	-
Total Moody's Corporation	$ -	$ -	$ -	$ -	$ -

2009 (Current) Business Line Reporting	1Q	2Q	3Q	4Q	FY08
Structured Finance	$ 102.4	$ 115.6	$ 95.7	$ 91.0	$ 404.7
Corporate Finance	73.3	99.0	77.0	57.7	307.0
Financial Institutions	67.0	75.1	64.4	56.5	263.0
Public, Project & Infrastructure Finance	55.5	66.2	59.7	48.6	230.0
Total Moody's Investors Service*	**298.2**	**355.9**	**296.8**	**253.8**	**1,204.7**
Total Moody's Analytics	**132.5**	**131.8**	**136.6**	**149.8**	**550.7**
Total Moody's Corporation	**$ 430.7**	**$ 487.7**	**$ 433.4**	**$ 403.6**	**$ 1,755.4**

* Excludes intersegment royalty

** FY08 "Reporting as per 2008 filings" represents cumulative total of 10Q filings

In August 2008, the global managed investments ratings group which was previously part of Structured Finance, was moved to the Financial Institutions business. In 2009, credit estimates was moved to Corporate Finance.

2009 Moody's Analytics Revenue Reclassification

in $millions

Reporting as per filings in year		**2008**		**2009**
Subscriptions	$	475.9		n/a
Software		49.2		n/a
Professional Services		25.6		n/a
Total Moody's Analytics	**$**	**550.7**		**n/a**
Reclass for 2009 Realignment*:				
Subscriptions	$	(57.2)		n/a
Software		59.6		n/a
Professional Services		(2.4)		n/a
Total Moody's Analytics	$	-		n/a
2009 (Current) Reporting		**2008**		**2009**
Research, Data and Analytics	$	418.7	$	413.6
Risk Management Software		108.8		145.1
Professional Services		23.2		20.8
Total Moody's Analytics	**$**	**550.7**	**$**	**579.5**

*During the fourth quarter of 2009 the Moody's Analytics ("MA") groupings were realigned and renamed to reflect the reporting unit structure for the MA segment at December 31, 2009. Pursuant to this realignment the Subscriptions grouping was renamed Research, Data and Analytics and the Software grouping was renamed Risk Management Software. The revised groupings classify certain subscription-based risk management software revenue and advisory services relating to software sales to the

Website: http://ir.moodys.com

Email: ir@moodys.com



© 2011 Moody's Corporation and/or its licensors and affiliates (collectively, "MOODY'S"). All rights reserved.

CREDIT RATINGS ARE MOODY'S INVESTORS SERVICE, INC.'S ("MIS") CURRENT OPINIONS OF THE RELATIVE FUTURE CREDIT RISK OF ENTITIES, CREDIT COMMITMENTS, OR DEBT OR DEBT-LIKE SECURITIES. MIS DEFINES CREDIT RISK AS THE RISK THAT AN ENTITY MAY NOT MEET ITS CONTRACTUAL, FINANCIAL OBLIGATIONS AS THEY COME DUE AND ANY ESTIMATED FINANCIAL LOSS IN THE EVENT OF DEFAULT. CREDIT RATINGS DO NOT ADDRESS ANY OTHER RISK, INCLUDING BUT NOT LIMITED TO: LIQUIDITY RISK, MARKET VALUE RISK, OR PRICE VOLATILITY. CREDIT RATINGS ARE NOT STATEMENTS OF CURRENT OR HISTORICAL FACT. CREDIT RATINGS DO NOT CONSTITUTE INVESTMENT OR FINANCIAL ADVICE, AND CREDIT RATINGS ARE NOT RECOMMENDATIONS TO PURCHASE, SELL, OR HOLD PARTICULAR SECURITIES. CREDIT RATINGS DO NOT COMMENT ON THE SUITABILITY OF AN INVESTMENT FOR ANY PARTICULAR INVESTOR. MIS ISSUES ITS CREDIT RATINGS WITH THE EXPECTATION AND UNDERSTANDING THAT EACH INVESTOR WILL MAKE ITS OWN STUDY AND EVALUATION OF EACH SECURITY THAT IS UNDER CONSIDERATION FOR PURCHASE, HOLDING, OR SALE.

ALL INFORMATION CONTAINED HEREIN IS PROTECTED BY LAW, INCLUDING BUT NOT LIMITED TO, COPYRIGHT LAW, AND NONE OF SUCH INFORMATION MAY BE COPIED OR OTHERWISE REPRODUCED, REPACKAGED, FURTHER TRANSMITTED, TRANSFERRED, DISSEMINATED, REDISTRIBUTED OR RESOLD, OR STORED FOR SUBSEQUENT USE FOR ANY SUCH PURPOSE, IN WHOLE OR IN PART, IN ANY FORM OR MANNER OR BY ANY MEANS WHATSOEVER, BY ANY PERSON WITHOUT MOODY'S PRIOR WRITTEN CONSENT. All information contained herein is obtained by MOODY'S from sources believed by it to be accurate and reliable. Because of the possibility of human or mechanical error as well as other factors, however, all information contained herein is provided "AS IS" without warranty of any kind. Except as expressly stated otherwise, MOODY'S has not verified, audited or validated independently any information received in the rating process, nor will it do so. Under no circumstances shall MOODY'S have any liability to any person or entity for (a) any loss or damage in whole or in part caused by, resulting from, or relating to, any error (negligent or otherwise) or other circumstance or contingency within or outside the control of MOODY'S or any of its directors, officers, employees or agents in connection with the procurement, collection, compilation, analysis, interpretation, communication, publication or delivery of any such information, or (b) any direct, indirect, special, consequential, compensatory or incidental damages whatsoever (including without limitation, lost profits), even if MOODY'S is advised in advance of the possibility of such damages, resulting from the use of or inability to use, any such information. The ratings, financial reporting analysis, projections, and other observations, if any, constituting part of the information contained herein are, and must be construed solely as, statements of opinion and not statements of fact or recommendations to purchase, sell or hold any securities. Each user of the information contained herein must make its own study and evaluation of each security it may consider purchasing, holding or selling. NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, TIMELINESS, COMPLETENESS, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF ANY SUCH RATING OR OTHER OPINION OR INFORMATION IS GIVEN OR MADE BY MOODY'S IN ANY FORM OR MANNER WHATSOEVER.

MIS, a wholly-owned credit rating agency subsidiary of Moody's Corporation ("MCO"), hereby discloses that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by MIS have, prior to assignment of any rating, agreed to pay to MIS for appraisal and rating services rendered by it fees ranging from $1,500 to approximately $2,500,000. MCO and MIS also maintain policies and procedures to address the independence of MIS's ratings and rating processes. Information regarding certain affiliations that may exist between directors of MCO and rated entities, and between entities who hold ratings from MIS and have also publicly reported to the SEC an ownership interest in MCO of more than 5%, is posted annually at www.moodys.com under the heading "Shareholder Relations — Corporate Governance — Director and Shareholder Affiliation Policy."

Any publication into Australia of this document is by MOODY'S affiliate, Moody's Investors Service Pty Limited ABN 61 003 399 657, which holds Australian Financial Services License no. 336969. This document is intended to be provided only to "wholesale clients" within the meaning of section 761G of the Corporations Act 2001. By continuing to access this document from within Australia, you represent to MOODY'S that you are, or are accessing the document as a representative of, a "wholesale client" and that neither you nor the entity you represent will directly or indirectly disseminate this document or its contents to "retail clients" within the meaning of section 761G of the Corporations Act 2001.