



Updating the Investment Community on Fannie Mae Mortgage Products and Programs

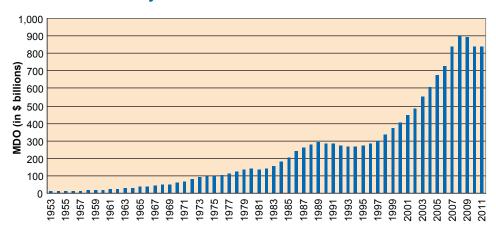
Over Twenty Years of Multifamily Mortgage Financing Through Fannie Mae's Delegated Underwriting and Servicing (DUS®) Program

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MBS/DUS offer Fannie Mae's guaranty of timely payment of principal and interest; lower spread volatility relative to other products; liquidity enhanced by the large number of dealers engaged in market making; stable cash flows that are easy to model; and superior call protection.

According to the Mortgage Banker's Association's (MBA) analysis of the Federal Reserve Board Flow of Funds data for the first quarter of 2011, multifamily mortgage debt outstanding (MDO) accounted for approximately seven percent of the \$11.3 trillion total MDO, or \$840 billion. In the consistently growing market for multifamily financing, as displayed in **Exhibit 1**, Fannie Mae has been the multifamily market leader.

Exhibit 1: Multifamily MDO from 1952 to First Quarter 2011*



Source: Federal Reserve Flow of Funds

Fannie Mae, the largest government-sponsored enterprise provider of financing for the multifamily market, supports affordable multifamily housing through investments in individual properties or groups of properties, as well as through securitization of loans underlying these properties. Furthermore, Fannie Mae provides financing for apartment buildings, manufactured housing communities, and cooperatives with five or more individual units through a nationwide network of Delegated Underwriting and Servicing (DUS) lenders and other lenders. In the first half of 2011, multifamily new business volumes were \$10.5 billion. In 2010, Fannie Mae's full year multifamily business volumes were \$17.9 billion.

More than 22 years ago, in 1988, Fannie Mae began purchasing multifamily loans through the DUS program and held these loans in portfolio. In August 1994, the company began securitizing DUS loans and created DUS Mortgage-Backed Securities (MBS/DUS), thereby expanding the

^{*} Includes debt and commercial mortgage-backed securities.

suite of its multifamily MBS. From 1999-2011, Fannie Mae issued MBS/DUS, including Discount MBS (DMBS). MBS/DUS offer Fannie Mae's guaranty of timely payment of principal and interest; lower spread volatility relative to other products; liquidity enhanced by the large number of dealers engaged in market making; stable cash flows that are easy to model; and superior call protection. As of December 31, 2010, Fannie Mae's multifamily mortgage credit book of business was \$223.6 billion, an increase of 74.8 percent since December 31, 2004.

This edition of *MBSenger* details the growth and development of Fannie Mae's DUS program over the years. Specifically, we review the notable characteristics of Fannie Mae's DUS program, highlighting the MBS/DUS product and exploring the performance features of these securities that fixed-income investors find beneficial. We also examine the key aspects of other types of Fannie Mae Multifamily MBS.

The DUS Program

Initiated in 1988, the DUS program grants approved lenders the ability to underwrite, close, and sell loans on multifamily properties without prior Fannie Mae review. However, these DUS lenders must abide by rigorous credit and underwriting criteria and are continuously subject to ongoing credit review and monitoring. Additionally, DUS lenders usually retain a risk position in the loans that they sell to Fannie Mae. Under the DUS program, approved lenders can originate: fixed-rate; adjustable-rate; balloon; fullyamortizing; partial and full-term interest-only multifamily mortgage loans. These DUS loans can be financed through Cash, MBS, DMBS, or Bond Credit Enhancement¹ execution. The DMBS product is discussed later. Exhibit 2 identifies the types of multifamily properties used as collateral for loans that may be securitized into MBS/DUS.

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Exhibit 2: Types of Multifamily Mortgaged Properties Eligible for MBS/DUS

Property Type	Description	
Standard Conventional Multifamily	A multifamily loan secured by a residential property composed of five or more dwelling units and in which generally no more than 20 percent of the net rentable area is rented to, or to be rented to non-residential tenants.	
Multifamily Affordable Housing and Low-Income Housing Tax Credit	A multifamily loan on a mortgaged property encumbered by a regulatory agreement or recorded restriction that limits rents, imposes income restrictions on tenants or places other restrictions on the use of the property.	
Seniors Housing	A multifamily loan secured by a mortgaged property that is intended to be used for elderly residents for whom the owner or operator provides special services that are typically associated with either "independent living" or "assisted living." Some Alzheimer's and skilled nursing capabilities are permitted.	
Manufactured Housing Community	A multifamily loan secured by a residential development that consists of sites for manufactured homes and includes utilities, roads and other infrastructure. In some cases, landscaping and various other amenities such as a clubhouse, swimming pool, and tennis and/or sports courts are also included.	
Cooperative Blanket	A multifamily loan made to a cooperative housing corporation and secured by a first or subordinate lien on a cooperative multifamily housing project that contains five or more units.	
Dedicated Student Housing	Multifamily loans secured by multifamily properties in which college or graduate students make up at least 80% of the tenants.	
Military Housing	A multifamily loan secured by a multifamily property in which more than 20% of the units are occupied by persons serving in or employed by the military or which is located in an area where military and military-related employment accounts for 20% or more of the local employment base.	
Rural Rental Housing	A multifamily loan secured by an affordable multifamily property located within specified rural areas designated by the Rural Rental Housing Guaranteed Loan Program of the USDA. The USDA guarantees up to 90% of any loss incurred upon liquidation of loans it has approved, provided that the loan was underwritten and serviced in accordance with the USDA requirements.	

To review specific details of each multifamily mortgaged property type, please refer to http://www.fanniemae.com/mbs/documents/mbs/prospectuses/mbs/prospectuses+%26+Related+Documents&t=MBS&q=Prospectuses.

¹ Bond Credit Enhancement product: provides credit enhancement for tax-exempt bonds issued by state and local housing finance agencies and is often used to finance Low Income Housing Tax Credit (LIHTC) properties and preserve older HUD-assisted properties.

The fixed-rate multifamily mortgage loans usually have final balloon maturities of 5, 7, 10, 15, 18, 25, or 30 years, while adjustable-rate mortgage loans usually have final balloon maturities of 5, 7 or 10 years. The most common MBS/DUS is a 10/9.5 (a 10-year balloon with 9.5 years of yield maintenance), followed by the 7/6.5 (a 7-year balloon with 6.5 years of yield maintenance).

DUS Lenders

As of July 31, 2011, Fannie Mae had 25 approved DUS lenders in the program. **Exhibit 3** lists these lenders.

Exhibit 3: List of DUS Lenders

Alliant Capital, LLC

AmeriSphere Multifamily Finance, LLC

Arbor Commercial Funding, LLC

Beech Street Capital, LLC

Berkadia Commercial Mortgage LLC

CBRE Multifamily Capital, Inc

Centerline Mortgage Capital, Inc.

Citibank, N.A.

CWCapital LLC

Deutsche Bank Berkshire Mortgage, Inc

Dougherty Mortgage, LLC

Grandbridge Real Estate Capital, LLC

Greystone Servicing Corporation

HomeStreet Capital Corporation

HSBC Bank USA, N.A.

JP Morgan Chase Bank, N.A.

KeyCorp Real Estate Capital Markets, Inc

M&T Realty Capital Corporation

Oak Grove Commercial Mortgage, LLC

Pillar Multifamily, LLC

PNC Bank

Prudential Multifamily Mortgage, Inc.

Red Mortgage Capital, LLC

Walker & Dunlop, LLC

Wells Fargo Bank, N.A.

Admission qualifications are stringent for consideration as a DUS lender. Each lender must maintain acceptable levels of capital and liquidity in relation to their Fannie Mae obligations. Generally, each lender must demonstrate real growth in its net worth and improvement in its liquidity as the size of its Fannie Mae servicing portfolio and its exposure relating to any other business activities increase. Lenders must also:

- Maintain an established business of origination and servicing of multifamily mortgage loans;
- Hold a license or other authority to do business in each jurisdiction where required, and the license or other authority must not be suspended or revoked by any governmental body or regulatory entity;
- Employ qualified underwriting, originating, and servicing personnel as it is the Lender's responsibility for underwriting or servicing the mortgage loans it sells to Fannie Mae;
- Continue adequate internal audit and management control systems to evaluate and monitor the overall quality of its multifamily loan production and servicing activities;
- Possess a financial condition acceptable to Fannie Mae; and,
- Sustain fidelity/surety bonds with errors and omissions insurance in amounts acceptable to Fannie Mae.

Furthermore, DUS lenders are subject to quarterly and/or annual reviews to ensure that they continue to meet Fannie Mae's DUS lender eligibility requirements.

Credit Quality of DUS Mortgage Loans

Eligible multifamily properties must be income-producing multifamily rental properties or cooperatives with a minimum of five individual units. These multifamily properties must be existing, recently completed, or in need of moderate rehabilitation. A majority of the properties qualify for 30-year amortization schedules. A DUS mortgage loan for the underlying property tends to range in size from \$1 million to \$50 million and is generally 'non-recourse²' to the borrower. Additionally, DUS loans are generally assumable after a review of the proposed transferee, although a one-percent transfer fee payable to Fannie Mae is commonly charged, which is not passed on to the investor.

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² Non-recourse: In the event of default, the lender agrees to take the pledged property as satisfaction for the debt and have no claim on any other assets of the borrower.

Each mortgage is underwritten to a three-tier credit structure. The most favorable interest rates are available for loans with higher debt service coverage ratios³ (DSCR) and lower loan-to-value (LTV) ratios. **Exhibit 4** summarizes the LTV and DSCR values for each Tier for standard conventional multifamily loans. DSCR and LTV requirements are subject to change based on market conditions. Stricter underwriting standards apply to other asset classes such as Seniors Housing, Student Housing, and Manufactured Housing. Various asset classes are described in the associated Multifamily MBS Prospectus.

Exhibit 4: Tier Level Credit Characteristics

Rating	Minimum DSCR	Maximum LTV Ratio
Tier 2	1.25	80
Tier 3	1.35	65
Tier 4	1.55	55

^{*} Tier 1 is not available.

In addition to tier assignments, each property underlying the multifamily MBS is subject to three assessments.

- An appraisal of the property is performed by a licensed appraiser selected by the DUS lender. Appraisals must conform to Uniform Standards of Professional Appraisal Practice (USPAP) standards. Fannie Mae does not approve specific appraisers. The DUS lender is responsible for selecting the appraiser and is solely accountable for their performance.
- An environmental assessment is mandatory and an ongoing operations and maintenance plan may be required to ensure the property is operated in an environmentally sound manner. However, small loans only require an American Society for Testing and Materials (ASTM) screen and borrower questionnaire.
- 3. A physical needs assessment must be completed by a qualified evaluator designated by the DUS lender. If tenant safety, marketability, or property conditions are compromised by unacceptable circumstances, repairs may be ordered. Generally, if the repairs are not completed by the time of closing, a reserve fund for payment of the repairs may be established.

On an annual basis, the property's operating statement, which includes DSCR and Net Operating Income (NOI), is collected by Fannie Mae and subject to review. The rigorous reviews, both at-acquisition and ongoing, on the properties underlying DUS loans further enhance their credit quality and performance.

It is important to note that the underwriting guidelines in the DUS Guide are guidelines and not rigid requirements. A waiver or exception may be granted if it is deemed to be prudent given the applicable circumstances.

DUS Loss Sharing Arrangements

In return for Fannie Mae's delegation of the responsibility for underwriting and servicing DUS loans, the DUS lenders enter into loss sharing agreements with Fannie Mae that specify the method of sharing any losses on the loans that they deliver and/or service. These arrangements vary among transactions, ranging from the DUS lender bearing a specified first loss percentage for a transaction to the DUS lender having no loss sharing obligation for a transaction. The most common loss sharing of DUS loans is pari-passu, in which the lender bears one-third of the losses and Fannie Mae is responsible for the remaining two-thirds.

This loss-sharing element is an incentive for DUS lenders to monitor and manage credit exposure on an active basis, leading to lower loss and delinquency levels, which has resulted in superior credit performance. Manifesting these rigorous standards, the Fannie Mae multifamily serious delinquency rate⁴ as of May 31, 2011 was 0.46 percent.

MBS/DUS Securities

MBS/DUS securities possess Fannie Mae's guaranty⁵ of timely payment of principal and interest in which it will supplement amounts received by the MBS trust as required to permit timely payments of principal and interest on the certificates. Principal and interest payments are remitted monthly on the 25th calendar day (if the 25th calendar day is not a business day, then the next business day). The 54-day delay of payment is consistent with the timing of payments on Fannie Mae's Single-Family MBS. Upon maturity, the entire outstanding unpaid principal balance is paid to the in-

³ Debt Service Coverage Ratio (DSCR): Net Annual Operating Income (NOI) divided by Annual Debt Service (Monthly Mortgage Payment * 12)

⁴ Includes multifamily loans and securities 60 days or more past due and is calculated based on the UPB or delinquent multifamily loans owned by Fannie Mae or underlying Fannie Mae guaranteed securities, divided by the UPB of multifamily loans owned by Fannie Mae or underlying Fannie Mae guaranteed securities.

⁵ The guaranty is made to the trust by Fannie Mae, corporate, as guarantor.

vestor as a balloon payment on the 25th of the month of maturity. In the event of foreclosure, Fannie Mae will pay the outstanding principal balance at par to investors regardless of recovery from the mortgagor. The Fannie Mae guaranty on MBS/DUS mirrors that provided for single-family Fannie Mae MBS. Fannie Mae has never missed a scheduled payment of principal and interest on any of its mortgage-backed securities, single-family or multifamily. It is important to note that Fannie Mae MBS/DUS are not guaranteed by the United States and do not constitute a debt or obligation of the United States or any of its agencies or instrumentalities other than Fannie Mae. Fannie Mae alone is responsible for making payments under its guaranty.

MBS/DUS are classified by a multifamily prefix to identify the type of multifamily mortgage loans that are included in a specific pool. **Exhibit 5** lists the top five most commonly assigned multifamily pool prefixes from 2000-2010.

DUS pools are not restricted to a minimum or maximum unpaid principal balance nor is there a restriction on the number of loans allowed into a single DUS pool at issuance. Typically, each DUS pool contains one DUS loan, but can incorporate multiple DUS loans made by the same lender to the same or affiliated borrowers. In 2010, 98.0 percent of DUS pools consisted of one DUS loan and 2.0 percent had two or more DUS loans.

Day Count Conventions for Payment of Interest

The day count describes the method in which accrued interest and coupon payments are calculated. MBS/ DUS have one of two day count conventions: 1) count the actual days per month and use a 360-day calendar year, Actual/360; or 2) count 30 days for each month and 360 days per year, 30/360. Calculation of the total monthly principal and interest payment for a loan using the 30/360 method is the same as the calculation for a loan using the Actual/360 method. The difference between the two methods is that the amount of each monthly payment that is allocated to interest will be based on 30 days in a month for the 30/360 method and on the actual number of calendar days during the month for the Actual/360 method. In a 31-day month, more of the monthly payment amount will be allocated toward interest using the Actual/360 method than will be allocated toward interest using the 30/360 method. Because there are actually 365 or 366 days in a year, loans using the Actual/360 method amortize more slowly and generate more interest than a loan at the same note rate using the 30/360 method. As a result, a fully-amortizing loan accruing interest on the Actual/360 basis is likely to have an outstanding principal balance on the stated maturity date of the loan.

The Federal Reserve operates on a 30/360 day count convention. Therefore, for those pools backed by loans with Actual/360 day count, the interest rate calculation has to be converted prior to remittance to the investor. For both day count convention methods, the investor is paid principal and interest on the 25th calendar day of each month. If the 25th calendar is not a business day, the payment will be made on the next business day.

Exhibit 5: Top Five Fannie Mae MBS/DUS Pool Prefixes Assigned from 2000-2010

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Prefix	Definition	Total At-Issuance UPB (in \$ billions)	% of Total MBS/DUS
HY	Conventional, Balloon, Actual/360 interest day basis calculation; Multifamily; maturing or due in seven years or more.	\$45.1	53%
MD	Conventional; Multifamily; Non-interest bearing (discounted) securities backed by pools of one or more loans; Maturity dates vary between 1 and 12 months.	\$9.9	12%
MX	Conventional Level-Payment, Balloon Mortgages; Multifamily; maturity dates may vary.	\$8.1	10%
MY	Conventional Balloon, Level-Payment Mortgages; Multifamily; maturing or due in seven years or more.	\$7.5	9%
HX	Conventional Short-Term, Balloon, Level-Payment Mortgages; Actual/360 interest day basis calculation; Multifamily; maturing or due in seven years or less.	\$7.5	9%

Exhibit 6: Actual/360 Day Count Converted to 30/360 Day Count

If a \$1,000,000 MBS/DUS security pays 5%, then, in August (a month with 31 days), the Actual/360 day count interest for the month would be:

 $1,000,000 \times 0.05 \times (31/360) = 4,305.56$

To convert the interest payment into the 30/360 day count convention, the effective MBS/DUS pass-through rate (PTR) would be:

\$1,000,000 x *Effective PTR* x (30/360) = \$4,305.56 *Effective PTR*= 5.167%

The **Effective PTR** of 5.167% is the accrual rate disclosed in August and the PTR disclosed in September.

Multifamily Megas

To further improve the liquidity of MBS/DUS pools, and to facilitate additional geographic and borrower diversity as well as ease of operational administration, Fannie Mae introduced the MBS/DUS Mega program in August 1996. In a MBS/DUS Mega, MBS/DUS securities with the same prefix and same fixed-rate coupon or a combination of Fannie Mae MBS coupons can be pooled together. The combination of Fannie Mae MBS coupons typically will be restricted to an inclusive 100 basis point range from the highest to lowest Fannie Mae MBS coupon. Fannie Mae's fee schedule for multifamily Megas is similar to the fee schedule for creating single-family Megas.

Fannie Mae GeMS™ Program

In January 2011, Fannie Mae announced the introduction of Fannie Mae Guaranteed Multifamily Structures, or Fannie Mae GeMS^o, which is an expanded multifamily mortgage-backed securities (MBS) execution that will include DUS Megas, DUS REMICs, and syndicated DUS Megas. This expansion builds on Fannie Mae's successful DUS REMIC issuances, providing additional Fannie Mae GeMS products with similar features and liquidity. Fannie Mae's suite of multifamily MBS products helps to provide a continuous source of stable funding to support the nation's rental housing market. Syndicated DUS Megas and DUS REMIC structures are customized to meet investor demand, creating opportunities for participation in larger, regularly-issued deals while enjoying the benefits of block size and diversity.

Prepayment Protection

As part of the DUS program, each DUS loan has one of the following voluntary prepayment protection provisions: (I) Yield Maintenance⁷; (II) Defeasance; (III) Prepayment Fee; or, (IV) Prepayment Lock-Out. Most often, yield maintenance is the prepayment protection selected on multifamily DUS loans.

- I. Yield maintenance, the most common form of prepayment protection, allows for full prepayments along with a yield maintenance prepayment fee payable by the borrower. The yield maintenance prepayment fee for each mortgage loan is payable during a period of time, the yield maintenance period. If a borrower voluntarily prepays a mortgage loan during the yield maintenance period, the yield maintenance prepayment fee equals the greater of (a) or (b):
 - (a) 1% of the amount of principal being prepaid; **OR**
 - (b) the product obtained by multiplying:
 - 1. the amount of principal being prepaid, by
 - 2. the product obtained by multiplying
 - a. the interest rate on the mortgage loan *minus* the CMT yield rate.

by

b. the present value factor calculated by using the present value formula, as shown in **Exhibit 7**.

The borrower is required to pay a yield maintenance prepayment fee equal to the *greater* of the amount calculated in clause (a) or clause (b). Fannie Mae will pass through to the investor a portion of the yield maintenance prepayment fee actually received from the servicer of the prepaid loan. Fannie Mae calculates the share of the prepayment fee to be retained by the company and the share of prepayment fee to be passed on to the investor. The investor portion will equal the following:

- (1) the amount of principal being prepaid, times
- (2) the difference between the pass-through rate on the certificates and the yield on the applicable U.S. Treasury constant maturity (as calculated in Exhibit 7), *times*

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(3) the present value factor.

⁶ Fannie Mae GeMS: http://www.fanniemae.com/mbs/mbsmultifamily/gems.jhtml

⁷ The yield maintenance formula changed for all Fannie Mae multifamily mortgage loans committed on or after September 1, 2009. See Addendum at the end of this issue for detailed information.

Fannie Mae will pass the yield maintenance prepayment fee to the investor only to the extent that collected premiums remain after the company has deducted its full portion. Fannie Mae does not guarantee to the trust the payment of any prepayment fees. If a borrower prepays a mortgage loan on or after the yield maintenance end date, Fannie Mae will not pay any portion of the prepayment fee to the investor.

Exhibit 7 details the calculation of the yield maintenance prepayment fee on a loan whose yield maintenance period is 9.5 years of the 10-year loan term. The **Exhibit** further calculates the amount of the yield maintenance prepayment fee that is payable to the investor.

Exhibit 7: Yield Maintenance on a 10 year DUS loan with 9.5 years of Yield Maintenance

Characteristics of Multifamily Loan to be **Voluntarily Prepaid:**

- Fannie Mae multifamily mortgage loan note rate = 5.610%.
- MBS Pass Through Rate = 4.750%.
- \$1,118,222.29 of principal prepaid voluntarily on July 28, 2009.

CMT Rate Calculation:

The CMT Rate date for this example is June 22, 2009, which is the 25th business day prior to the payoff date of July 27, 2009.

CMT Rate data is sourced from the U.S. Treasury Statistical Release H.15 (Selected Interest Rates) which can be found at the following link http://www. federalreserve.gov/releases/h15/update/

If publication of the Fed Release is discontinued by the Federal Reserve Board, the lender will determine the yield rate from another source selected by the lender.

CMT Interpolation Equation and Calculation:

$$\left[\left(\frac{a-b}{x-y}\right)^*(z-y)\right] + b$$

a = the yield for the longer U.S. Treasury constant maturity

b = the yield for the shorter U.S. Treasury constant maturity

x = the term for the longer U.S. Treasury constant maturity

v = the term for the shorter U.S. Treasury constant maturity

z = the number of years remaining until the Yield Maintenance End Date (months divided by 12)

Example:

a = 2.75%, the yield for the longer U.S. Treasury constant maturity

b = 1.77%, the yield for the shorter U.S. Treasury constant maturity

x = 5, the term for the longer U.S. Treasury constant maturity

y = 3, the term for the shorter U.S. Treasury constant maturity

z = 4.5 (or 54/12), the number of years remaining until the Yield Maintenance End Date (months divided by 12)

Yield Rate =
$$\left(\frac{(2.75-1.77)}{(5.3)}\right)$$
 * (4.5-3) + 1.77 = 2.505

Yield Maintenance Example Using Interpolated CMT Rate:

Since the borrower voluntarily prepays during the yield maintenance period, the yield maintenance prepayment fee equals the greater of:

- (a) 1% of the amount of principal being prepaid:
 - = 1% X \$1,118,222.29 = \$11,118.22 **OR**
- (b) the product obtained by multiplying
 - (1) the amount of principal being repaid by = \$1,118,222.29 by
 - (2) the result of
 - a. the interest rate on the mortgage loan minus the yield rate (interpolated CMT) by

b. the present value factor calculated by using the present value formula.

$$= 1-(1+r)^{(-n/12)}$$

where r = yield rate on the interpolated CMT and

where n = number of months remainingbetween (A) the date of prepayment and (B) the prepayment end date

Total (b) = $1.118,222.29 \times 3.105\% \times 1.118$ 4.2060733

= \$146.038.24

The total yield maintenance prepayment fee paid by the borrower is \$146,038.24.

Investor Portion of Yield Maintenance:

Incorporating variables above, the investor's share of the yield maintenance prepayment premium will equal the following:

- (1) the amount of principal being repaid (UPB at the date of prepayment), times
- (2) the difference between (A) the MBS Pass Through Rate⁸ and (B) the Yield on the applicable U.S. Treasury constant maturity (as calculated in above), times
- (3) the present value factor (as calculated above)
 - = \$1,118,222.29 x (4.750% **2.505%**) x 4.2060733
 - = \$105,589.64

In this example, the investor receives **\$105,589.64** as compensation for prepayment.

It is important to note that Fannie Mae calculates the share of the prepayment premium to be retained by the company and the share of prepayment premium to be passed on to the investor. Fannie Mae will pass the yield maintenance prepayment premium to the investor only to the extent that collected premiums remain after the company has deducted its full portion. Fannie Mae does not guarantee to the trust the payment of any prepayment premiums. If a borrower prepays a mortgage loan on or after the yield maintenance end date, Fannie Mae will not pay any portion of the yield maintenance prepayment premium to the investor.

The Treasury reference note used to compute the yield maintenance prepayment fee effectively increases this fee by the present value of the spread differential between a MBS/DUS and Treasuries. The yield maintenance protection tends to create positive convexity, as the value of the security increases when Treasury yields decrease.

The borrower is also required to pay a prepayment premium equal to one percent of the amount of principal being prepaid any time *after* the yield maintenance period and three months *prior* to the maturity of the loan. The 3-month window allows the borrower to refinance a maturing DUS loan. Fannie Mae may, but is not required to, waive the imposition of the one percent prepayment premium. Prepayment premiums paid in connection with prepayments occurring after the yield maintenance end date are not passed through to investors.

See page 13 for yield maintenance factor disclosure that can be used to calculate the amount of yield maintenance to be passed through to investors. This published factor can be multiplied by the face amount of the MBS owned by the investor to reach the yield maintenance amount that will be passed through.

- II. Defeasance is an alternative prepayment option selected at the time of origination that allows a property to be released from the mortgage lien prior to maturity in exchange for Fannie Mae or U.S. Treasury securities. Defeasance reduces the risk of reinvesting prepayment proceeds in an uncertain interest rate environment, since the property release does not interrupt the original expected cash flow to investors in securities backed by loans with defeasance.
- III. The prepayment fee option is a variable fee schedule known as a declining premium or a fixed premium. With a declining premium, the fee is based on a percentage of the current unpaid principal balance which percentage declines with the passage of time. For example, a prepayment fee schedule may reflect the following:
 - a five percent prepayment fee if prepaid in the first year;
 - then, a four percent prepayment fee if prepaid in the next year;
 - · and so forth.

For a fixed premium, the fee is based on a stated percentage of the unpaid principal balance. The percentage remains the same over time. The investor may receive a calculated share of the prepayment fee as described in the base prospectus. The borrower is also required to pay a prepayment premium equal to one percent of the amount of principal being prepaid any time *after* the prepayment period and three months *prior* to the maturity of the loan. The 3-month window allows the borrower to refinance a maturing DUS loan.

IV. Prepayment lock-outs legally prohibit the borrower from prepaying a DUS loan for any reason, except for payments resulting from casualty or condemnation where prepayment could occur.

The various prepayment protection methods on DUS loans provide considerable compensation to investors and reduce the incentive for a DUS loan to be repaid during its yield maintenance period due to the yield maintenance prepayment fee. Furthermore, voluntary partial prepayments are prohibited on DUS loans. Involuntary prepayments such as condemnation awards or insurance proceeds may occur. Investors can identify loans with prepayment permissibility, as these loans have special disclosure language in the base prospectus and prospectus supplement.

Exhibit 8 summarizes the investor benefits during various prepayment events.

⁸ Assume MBS Pass Through Rate equals 4.750%.

Exhibit 8: Summary of Prepayment Events

Prepayment Event	Prepayment Fee	Amount Passed to Investor
Borrower prepays <i>during</i> the Yield Maintenance Period.	The greater of: (a) 1% of the amount of principal being prepaid OR (b) the product obtained by multiplying (1)the amount of principal being repaid by (2)the result of a. the interest rate on the mortgage loan minus the yield rate on the U.S. Treasury security by b. the present value factor calculated by using the present value formula.	 The investor portion will equal the following: (1) the amount of principal being prepaid, <i>times</i> (2) the difference between the passthrough rate on the certificates and the yield rate, <i>times</i> (3) the present value factor. Investor receives unpaid principal balance at par.
Borrower prepays <i>during</i> the Prepayment Period.	Dependent upon the variable fee schedule.	Calculated share of the prepayment fee as described in the base prospectus. Investor receives unpaid principal balance at par.
Borrower prepays <i>after</i> the yield maintenance period ends AND <i>prior</i> to three months before maturity.	1%	No Prepayment Fee to the investor. Investor receives unpaid principal balance at par.
DUS loan is in default and is removed from the DUS pool or in condemnation proceedings against the property or casualty losses during the loan term.	Not Applicable.	No Prepayment Fee to the investor. Investor receives unpaid principal balance at par.

MBS/DUS Investor Benefits

A wide range of investors, including insurance companies, money managers, commercial banks, and state and local governments find Fannie Mae MBS/DUS an attractive investment. MBS/DUS offer Fannie Mae's guaranty of timely payment of principal and interest; lower spread volatility relative to other products; liquidity enhanced by the large number of dealers engaged in market making; stable cash flows that are easy to model; and positive advantages related to prepayment protection. These benefits have resulted in diverse participation among a wide variety of investor segments in MBS/DUS.

Insurance companies, as well as pension funds, appreciate that MBS/DUS provide certain stable cash flow features that allow these institutions to more easily match their liabilities. Money managers find the positive convexity of multifamily MBS to be useful in mitigating somewhat their exposure to negatively convex single-family MBS. Traditional corporate bond investors find that MBS/DUS offer a mortgage security with strong prepayment stability and higher yields over comparable duration high-grade corporate securities. For commercial banks, MBS/DUS share the same weighting of 20 percent for bank risk-based

capital requirements as is the case with single-family Fannie Mae MBS. State and local governments enjoy the excellent credit quality of MBS/DUS, the prepayment stability, and the definitive final maturities of 5, 7, and 10 years that match maturity restrictions in their investment guidelines.

Other Fannie Mae Multifamily MBS

Fixed+1 DUS Product

Fannie Mae also offers the Fixed+1 product, which is geared towards borrowers seeking a combination of an attractive fixed rate for an initial term of 5 to 15 years followed by a one-year adjustable rate term during which the loan may be prepaid without a prepayment fee. Fixed+1 loans are most often amortized on a 30-year schedule, with terms of 6-, 8-, 10-, 11-, or 16-years and day count conventions of either Actual/360 or 30/360. To identify a Fixed+1 product, the Schedule A will have two unique fields, 'fixed-rate end date' and 'adjustable-rate term'.

The most popular Fixed+1 DUS product is the 9+1. These 9+1 DUS mortgages have a 10-year maturity, where the loan has a fixed-rate for the first nine years and then the interest rate automatically converts to an adjustable rate based on one-month LIBOR on a monthly basis during the final tenth year. In the final

year, the interest rate adjusts each month and is set at a gross margin. If the borrower prepays the mortgage loan in years one through nine, yield maintenance prepayment fees apply. MBS investors will receive a portion of any yield maintenance collected. In the final tenth year of the mortgage loan, the borrower may fully prepay without incurring any prepayment fees.

Multifamily DUS Structured Transactions

Commonly executed with large REIT customers, multifamily Structured Transactions (credit facilities) provide both long-term and short-term flexible financing for a single pool of cross-collateralized and crossdefaulted multifamily mortgage loans. The properties within the pool may be substituted, added, or released based on certain criteria, and additional borrowing on existing properties may be permitted if certain conditions are met. Structured transactions are typically \$50 million and over in size, have a minimum term of five years, and may consist of both a fixed-rate portion and/or an adjustable-rate portion. Structured transactions also provide for payment of prepayment premiums, typically yield maintenance for the fixed-rate portion of the facility, or other options on a negotiated basis. It is very important for investors to read and understand the associated disclosure documents, including the base prospectus, prospectus supplement, and schedule of pool and loan information.

DMBS

In addition to Fannie Mae MBS/DUS, Fannie Mae also issues DMBS. DMBS are short-term securities typically issued with maturities of one month, three months, six months or nine months. Investors purchase these securities at a discount and are repaid par on the security at maturity. These securities carry no prepayment risk as they are locked out for the full term. The interest rate used to establish the amount of the discount is determined at issuance of the initial DMBS and is reset on each subsequent DMBS rollover through a competitive capital markets bid process. These securities allow borrowers to obtain a loan that mimics variable rate financing. Standard DUS loans and specialty products including Senior Housing, Student Housing, Manufactured Housing Communities and others can be used as collateral for DMBS and both single-asset structures (backed by loans collateralized by one property) or multiple-asset structures (backed by loans collateralized by more than one property) are available. Upon maturity, multifamily borrowers may roll the DMBS over into a new DMBS or convert to a fixed-rate loan. Since 2004, Fannie Mae has issued approximately \$10 billion of DMBS through December 31, 2010.

Multifamily Negotiated Transactions

For investors looking for potentially higher yields, Fannie Mae multifamily MBS issued through negotiated transactions (NT) can be attractive investment alternatives. The multifamily negotiated MBS have maturities of up to 480 months, although the majority of these MBS have a maturity of 360 months or less. Multifamily NT MBS may be fixed-rate or adjustablerate securities with specific properties defined by the security's prefix and subtype⁹. These MBS have characteristics that vary by security, including governing lender loss sharing arrangements. Sellers delivering NT loans may, dependent upon the terms of the purchase, share with Fannie Mae in all or part of any losses that result when NT loans become delinquent. It is very important for investors to read and understand the associated disclosure documents, including the base prospectus, prospectus supplement, and Schedule of Pool and Loan Information.

Multifamily MBS Disclosures

Fannie Mae continuously strives to provide multifamily MBS/DUS investors with meaningful at-issuance and ongoing disclosure information intended to assist in the analysis and evaluation of MBS/DUS and the underlying loans. Highlighted below are some useful tools that investors can use to obtain detailed information about our multifamily MBS and the collateral backing these securities.

New Multifamily Master Trust Agreement and Base Prospectus

Effective October 1, 2010, all Fannie Mae fixed-rate and adjustable-rate multifamily MBS are issued under the 2010 Multifamily Master Trust Agreement and the 2010 Multifamily MBS Prospectus.

A Fannie Mae Master Trust Agreement, together with its exhibits and supplements, is the principal authority that defines the rights and responsibilities of Fannie Mae and of the certificate holders in relation to an MBS trust created under that particular master document. In general, it sets forth the terms related to the MBS issuance; the loans or participation interests in

⁹ ARM subtypes are alphanumeric codes that identify the ARM product characteristics such as index, initial fixed-rate period, rate and payment adjustment frequency, caps, convertibility and other features. In addition, customized prepayment lock-out and prepayment fee restrictions can be included in these securities.

the MBS pool; and the payment terms for the MBS certificates. MBS issued under a specific Trust Agreement are offered to investors through a corresponding Multifamily MBS Prospectus, which describes the general terms of the MBS program, the general characteristics of the MBS being offered, the policies for purchasing delinquent loans out of MBS trusts, and other important aspects of its MBS program. The Master Trust Agreement, applicable Multifamily MBS Prospectus (or DMBS Prospectus), the related prospectus supplement narratives and schedules and other Fannie Mae disclosure documents are accessible on the company's web site, www.fanniemae.com at the following links:

Trust Agreements

http://www.fanniemae.com/mbs/documents/mbs/trust-indentures/index.jhtml?p=Mortgage-Backed+Securities&s=Prospectuses+%26+Related+Documents&t=MBS&q=Trust+Documents

Prospectus Documents

http://www.fanniemae.com/mbs/documents/mbs/prospectus/index.jhtml?p=Mortgage-Backed+Securities& s=Prospectuses+%26+Related+Documents&t=MBS& g=Prospectuses The 2009 Multifamily Master Trust Agreement and the 2009 Multifamily MBS Prospectus, as well as the Amended and Restated 2007 Multifamily Master Trust Agreement, increased flexibility in managing defaulted loans, without requiring a repurchase of the affected loans or a change to the MBS investor's cash flows. This flexibility is continued in the 2010 Multifamily Master Trust Agreement.

Multifamily Securities Locator Service

Investors can obtain comprehensive information about collateral backing multifamily MBS and related delinquency statistics via our Multifamily Securities Locator Service which is available online at the following link: http://www.fanniemae.com/mbs/tools/multifamily/msls.jhtml?p=Mortgage-Backed+Securities&s=Search+Tools+%26+Resources&t=Multifamily+Securities+Locator+Service#.

By entering the multifamily pool number or searching for a security by type of pool, issue date, pass-through rate, or pool prefix, an investor can quickly obtain atissuance disclosure documents for a specific security such as the Multifamily Master Trust Agreement, the Multifamily MBS Prospectus as well as prospectus supplement information. Extensive pool information, such as factors, loan details and weighted-average statistics can also be quickly obtained via the Multifamily Securities Locator Service. Available via our Multifamily Securities Locator Services, **Exhibit 9** shows the loan information backing the multifamily MBS/DUS 10/9.5 pool 957873.

Exhibit 9: Multifamily Securities Locator Service - MBS/DUS 10/9.5 Pool 957873 Multifamily Securities Locator Service Return to Search Results Pool #: 957873 Click here to display/hide updates

3.8750%

05/01/2018

Export Pool Information | Loan Information | Collateral Information | At Issuance Documents Loan level information is as of the MBS payment date occurring two months prior to the most recent MBS pay-Loan Number Investors can determine a Summary DUS 10/9.5 pool if: 1. Original Loan Term Details (Months) = 120Issuance Pass-through Rate: AND Tier Drop Eligible 2. Prepayment Premium Term (Months) = 114Prepayment Pren riginal Amortizatio terest Type: ockout End Date Payment Date Delinquency Status (Days) repayment Premium Option: Yield Maintenance nterest Only Indicato epayment Premium End Date erest Only Period (Months

New Issue Pool Statistics

Investors looking for daily issuance information about multifamily MBS can locate this information on the New Issues Pools Statistics File (NIPS) that is available on our web site at the following link:

ield Maintenance Security Rate

curity Due Date:

http://www.fanniemae.com/mbs/data/mbs/newisspoolstats.jhtml?p=Mortgage-Backed+Securities&s=Month ly+Reporting+Data&t=MBS&g=New+Issues+Pool+St atistics.

For pools closed the previous day, the NIPS file contains useful information for investors that includes, but is not limited to, the pool number, CUSIP, issue date. Fannie Mae pool prefix, pass-through rate (PTR), weighted-average coupon (WAC) weighted-average maturity (WAM), maturity date, unpaid principal balance (UPB), and loan-to-value ratio.

MBS/DUS 10/9.5 Performance Data

Since December 2007, Fannie Mae has published quarterly performance data aimed solely at the most common MBS/DUS product, which are backed by 10/9.5 multifamily mortgage loans. The performance data provides information often requested by multifamily investors. Investors can obtain comprehensive issuance and prepayment performance data on outstanding multifamily DUS loans since 2002 with an initial term of 10 years and 9.5 years of yield maintenance backing Fannie Mae MBS on our web site at the following link:

Last Interest Only Payment Date

http://www.fanniemae.com/mbs/data/multifamily/dusperformancedata.jhtml?p=Mortgage-Backed+Securiti es&s=Monthly+Reporting+Data&t=Multifamily&g=DU S+Performance+Data.

This report is updated quarterly, approximately 45 days following the end of the quarter. The MBS/DUS 10/9.5 Performance Data report discloses:

- 1. Issuance: Annual issuance and other data for 10/9.5 multifamily mortgage loans backing Fannie Mae MBS:
- Scheduled Payoffs and Prepayments with Yield Maintenance: Data for 10/9.5 multifamily mortgage loans backing Fannie Mae MBS that have been paid in full including, in the case of prepayments, payment of any yield maintenance amounts due; and,
- 3. Prepayments Without Yield Maintenance: Data for 10/9.5 multifamily mortgage loans backing Fannie Mae MBS that were repurchased from the applicable MBS pool prior to maturity for any reason, including a default, casualty or breach of lender representation or warranty and for which no prepayment premium was collected.

Monthly Yield Maintenance Factor Report

Investors can obtain monthly factor information for use in calculating the amount of yield maintenance that will be passed through to the investor in the current month at the following link:

http://www.fanniemae.com/mbs/data/multifamily/yield-maintenance.jhtml?p=Mortgage-Backed+Securities&s=Monthly+Reporting+Data&t=Multifamily&q=Yield+Maintenance.

To calculate yield maintenance, an investor should multiply the factor published in the Monthly Yield Maintenance Factor Report by the original unpaid principal balance of the MBS that they hold in order to determine their portion of the yield maintenance prepayment fee. This information is published on or around the fifth business day each month and contains the record date, payment date, CUSIP, pool prefix, pool number, and yield maintenance factor for each applicable multifamily MBS.

MBS Loan Level Delinquency 60-Plus Days Report

Investors can obtain a list of multifamily loans backing an MBS that are at least 60 days delinquent in payment of monthly principal and interest, as reported by the servicer, at the link below.

http://www.fanniemae.com/mbs/data/multifamily/delinquencyreport.jhtml?p=Mortgage-Backed+Securities&s =Monthly+Reporting+Data&t=Multifamily&q=MBS+Lo an+Level+Delinquency+60-Plus+Days

As of November 10, 2008, Fannie Mae began publishing the delinquency data around the sixth business day of the month and reports data as of the prior month, in an effort to provide delinquency information on a more real-time basis to investors within one month of the company being notified by the servicer that a loan is 60 days delinquent. For example, a current month report dated December 2008 would be posted on or around January 10, 2009 and would display delinquency data with a November 1, 2008 "as of date". If the borrower made a monthly principal and interest payment on September 1, 2008, but failed to make monthly principal and interest payments due on October 1, and November 1, the report would list the loan as being 60 days delinquent in December 2008.

Multifamily Loan Level Detail Information

Fannie Mae provides a loan level detail report on a monthly basis, which contains data related to certain loans backing specified currently outstanding multifamily Fannie Mae MBS. For each loan backing Fannie Mae multifamily MBS, this report provides the pool

number, the city, state, and zip code of the properties' address, the current unpaid principal balance and the initial interest rate. This report is generally made available during the first to fifth business day of the following month and can be found on our web site at the following link:

http://www.fanniemae.com/mbs/data/multifamily/loan-leveldetail.jhtml?p=Mortgage-Backed+Securities&s=Monthly+Reporting+Data&t=Multifamily&q=Loan+Level+Detail.

Other Multifamily MBS Resources for Market Participants

Information about Fannie Mae multifamily MBS is easily obtainable from a number of other sources as well:

On the Web: www.fanniemae.com

By email at: fixedincome_marketing@fanniemae.com

By Investor Helpline: 1-800-237-8627

By fax: 202.752.4624 By mail: Fannie Mae

c/o Fixed-Income Securities Marketing,

Mailstop 2H-3S/17

3900 Wisconsin Avenue, NW Washington, DC 20016-2892

Additionally, the Multifamily Mortgage-Backed Securities Abstract provides quarterly information regarding MBS volumes over the past two quarters; recent MBS/DUS spread to swaps; the multifamily serious delinquency rate over the years; and an MBS highlights section, which features news from Fannie Mae's multifamily business activities.

Conclusion

Fannie Mae, the leader in the multifamily market, supports the financing of affordable multifamily housing in the United States. Fannie Mae's MBS/DUS allows investors to earn potentially attractive yields on multifamily backed securities that carry Fannie Mae's guaranty of timely payment of principal and interest, often with prepayment protection provisions. In this MBSenger, we describe the DUS program; the structural and performance characteristics of MBS/DUS backed by these loans; and also discuss other Fannie Mae multifamily MBS products and identify important multifamily MBS at-issuance and ongoing disclosures, which are critical for the analysis and valuation of these securities. Going forward, Fannie Mae will work to further enhance its multifamily MBS offerings and expand the available information on its suite of multifamily MBS products.

Top Fannie Mae Multifamily Disclosure Web Site Links

Multifamily Securities Locator Service

Provides pool information, loan information, collateral information, and at-issuance documents (including the Schedule A, Base Prospectus, Prospectus Supplement Narrative, and Pool Statistics) for a specific pool or CUSIP.

http://www.fanniemae.com/mbs/tools/multifamily/msls.jhtml?p=Mortgage-Backed+Securities&s=Search+Tools+%26+Resources&t=Multifamily+Securities+Locator+Service#

New Issues Pool Statistics (NIPS)

Provides daily issuance information, including the pool number, CUSIP, issue date, Fannie Mae pool prefix, pass-through rate (PTR), weighted-average coupon (WAC) weighted-average maturity (WAM), maturity date, unpaid principal balance (UPB), and loan-to-value ratio.

http://www.fanniemae.com/mbs/data/mbs/newisspoolstats.jhtml?p=Mortgage-Backed+Securities&s=Monthly+Reporting+Data&t=MBS&g=New+Issues+Pool+Statistics

MBS/DUS 10/9.5 Performance Data

Provides comprehensive issuance and prepayment performance data on outstanding multifamily DUS loans since 2002 with an initial term of 10 years and 9.5 years of yield maintenance backing Fannie Mae MBS.

http://www.fanniemae.com/mbs/data/multifamily/dusperformancedata.jhtml?p=Mortgage-Backed+Securities&s=Monthly+Reporting+Data&t=Multifamily&q=DUS+Performance+Data

Yield Maintenance Factor File

Provides monthly factor information for use in calculating the amount of yield maintenance that will be passed through to investors in the current month.

http://www.fanniemae.com/mbs/data/multifamily/yieldmaintenance.jhtml?p=Mortgage-Backed+Securities&s=Monthly+Reporting+Data &t=Multifamily&g=Yield+Maintenance

MBS Loan Level Delinquency 60-Plus Days Report

Provides a list of multifamily loans backing an MBS that are at least 60 days delinquent in payment of monthly principal and interest. http://www.fanniemae.com/mbs/data/multifamily/delinquencyreport.jhtml?p=Mortgage-Backed+Securities&s=Monthly+Reporting+Data&t=Multifamily&q=MBS+Loan+Level+Delinquency+60-Plus+Days

Multifamily Loan Level Detail Report

Provides data related to certain loans backing specified currently outstanding multifamily Fannie Mae MBS. For each loan backing Fannie Mae multifamily MBS, this report provides the pool number, the city, state, and zip code of the properties' address, the current unpaid principal balance and the initial interest rate.

http://www.fanniemae.com/mbs/data/multifamily/loanleveldetail.jhtml?p=Mortgage-Backed+Securities&s=Monthly+Reporting+Data&t=Multifamily&g=Loan+Level+Detail

Pool Data Direct

Provides monthly disclosure information about Fannie Mae MBS. Nine files, four of which include multifamily MBS, are available for downloading purposes.

http://www.fanniemae.com/mbs/tools/pooldatadirect.jhtml?p=Mortgage-Backed+Securities&s=Search+Tools+%26+Resources&t=Pool+Data+Direct

Multifamily Master Trust Agreement

Provides a link to the Trust Indentures for Fannie Mae MBS, both single-family and multifamily.

http://www.fanniemae.com/mbs/documents/mbs/trustindentures/index.jhtml?p=Mortgage-Backed+Securities&s=Prospectuses+%26+Related+Documents&t=MBS&q=Trust+Indentures

Multifamily Prospectuses

Provides a link to all Fannie Mae MBS Prospectuses, both single-family and multifamily.

 $\frac{http://www.fanniemae.com/mbs/documents/mbs/prospectus/index.jhtml?p=Mortgage-Backed+Securities\&s=Prospectuses+\%26+Related+Documents\&t=MBS\&q=Prospectuses$

DMBS Trades

Provides historical data on discount mortgage-backed security trades, including the delivery date, number of days in the term, date of the trade, UPB, discount from par, price (% of par), simple interest yield, comparable LIBOR (%), and spread to LIBOR (%).

http://www.fanniemae.com/mbs/data/multifamily/index.jhtml?p=Mortgage-Backed+Securities&s=Monthly+Reporting+Data&t=Multifamily

TIPS: Bloomberg and Fannie Mae MBS/DUS

 To view loan level information for a DUS pool on Bloomberg, type in the following: FN (pool number) <MTGE> <GO> and then type in <DES> for data including coupon, maturity date, current amount, and factor.

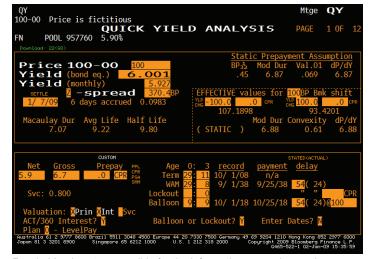


Fannie Mae is not responsible for the information appearing on the Bloomberg screens.

- To view the Schedule A for a DUS pool, perform Step 1 above and then type in <4> <GO>. The Schedule A (Schedule of Loan Information) includes notable at-issuance data such as:
 - Property Type;
 - U.S. Treasury Yield Rate;
 - Prepayment Premium Term;
 - Interest Day Basis;
 - · Annual Net Operating Income;
 - Loan-to-Value Percent:
 - Debt Service Coverage Ratio:
 - Tier; and,
 - Property Characteristics:
 - i. Property City/State/Zip Code,
 - ii. Total Number of Units,
 - iii. Appraised Value,
 - iv. Occupancy Percent and
 - v. Year Built.
- 3. To run simple cash flow analysis, perform Step 1 above and then type in <QY> <GO>. This Bloomberg screen defaults to the appropriate delay and seasoning for the loan and provides simple price yield analysis to maturity. To price the security to call, Bloomberg allows you to shorten the balloon date to the end of the yield maintenance period.



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