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# FEDERAL HOUSING FINANCE AGENCY



## NEWS RELEASE

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For Immediate Release  
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### **FHFA Seeks Public Input on Proposed Gradual Decrease of Future Fannie Mae and Freddie Mac Loan Purchase Limits**

**Washington, DC** – The Federal Housing Finance Agency (FHFA) is sending to the *Federal Register* a request for public input on the implementation of a plan to gradually reduce the maximum size of loans that Fannie Mae and Freddie Mac may purchase.

Setting reduced “loan purchase limits” furthers the goal of contracting the market presence of Fannie Mae and Freddie Mac gradually over time, one of the key objectives of FHFA’s “Strategic Plan for Enterprise Conservatorships.” Reducing the limits is also in line with President Obama’s August 2013 request that FHFA reduce loan limits in order to reduce the government’s footprint in the mortgage market. The loan purchase limits, which FHFA would set under its authority as conservator of Fannie Mae and Freddie Mac, would modestly reduce Fannie Mae’s and Freddie Mac’s business at the high end of the market, invite private capital to re-enter the market, and limit taxpayer exposure to losses.

In areas where the statutory maximum loan limit for one-unit properties is currently \$417,000, the plan being contemplated would set the loan purchase limit at \$400,000—approximately a four percent reduction. The loan purchase limit would be reduced by the same percentage in other parts of the country, including those areas where current limits are at \$625,500. Those loan purchase limits would be set at \$600,000.

FHFA has concluded that inviting public input on potential operational and technical issues associated with the planned decrease in loan purchase limits would benefit any final decision. Therefore, before deciding to undertake any modifications, FHFA is seeking public input that will inform its decision-making and ensure any change minimizes market disruptions.

FHFA seeks input on the implementation of the proposed limits including whether six months’ advance notice is adequate, whether it is preferable for FHFA to announce a multi-year schedule of decreases, and to what date any future loan purchase limit reductions should be tied.

The contemplated action is a plan and not a final decision. The requested public input will be carefully reviewed before FHFA decides whether and how to proceed with the planned approach to Freddie Mac’s and Fannie Mae’s loan purchase limits. No final decision on loan purchase limits will be made until the comments are reviewed and, in any event, the changes contemplated in this Request for Input will not affect loans originated before October 1, 2014.

The attached document outlines FHFA's legal authority for decreasing the loan purchase limit; includes an impact analysis of planned reductions; and poses questions regarding implementation that interested parties are invited to answer. Input must be received no later than March 20, 2014 and should be submitted to the Federal Housing Finance Agency, Office of Policy Analysis and Research, 400 7th Street, SW, Ninth Floor, Washington, DC 20024 or via email to: [loanlimitinput@FHFA.gov](mailto:loanlimitinput@FHFA.gov).

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*The Federal Housing Finance Agency regulates Fannie Mae, Freddie Mac and the 12 Federal Home Loan Banks. These government-sponsored enterprises provide more than \$5.5 trillion in funding for the U.S. mortgage markets and financial institutions.*

**FEDERAL HOUSING FINANCE AGENCY**

**No. 2013-N-XX**

**Fannie Mae and Freddie Mac Loan Purchase Limits: Request for Public Input on Implementation Issues**

**AGENCY:** Federal Housing Finance Agency.

**ACTION:** Notice; input accepted.

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**SUMMARY:** The Federal Housing Finance Agency (FHFA) is requesting public input on implementation issues associated with a contemplated reduction in loan purchase limits by the Federal National Mortgage Association (Fannie Mae) and the Federal Home Loan Mortgage Corporation (Freddie Mac) (together, the Enterprises). Each Enterprise must set its loan purchase limits at or below the maximum limits, which are determined by statutory formulas. The maximum limits for 2014 were published by FHFA on November 26, 2013. A decrease in the Enterprises' loan limits below the statutory maximums is one means of reducing the Enterprises' financial market footprint pursuant to FHFA's Strategic Plan for Enterprise Conservatorships. Other means of reducing the Enterprises' footprint relate to their single-family mortgage guarantee business and include increasing guarantee fees and engaging in risk-sharing transactions.

The basic premise of these measures is as follows: with an uncertain future and a desire for private capital to re-enter the market, the Enterprises' market presence should be reduced gradually over time. In addition, at the end of 2012, the amount of taxpayer capital available to support the Enterprises' outstanding debt and mortgage-backed

securities obligations became fixed. Limiting their risk exposure is vital to maintaining the adequacy of the remaining capital support through the financial support agreements between the Enterprises and the U.S. Department of the Treasury. Finally, a taxpayer-backed conservatorship provides a significant subsidy to the mortgage market that limits private capital participation and underprices risk in the market.

The contemplated action described below is a plan and not a final decision. The requested public input will be carefully reviewed before FHFA decides whether and how to proceed with the planned reductions in Freddie Mac's and Fannie Mae's loan purchase limits. In short, no final decision on loan purchase limits will be made until the comments are reviewed. The changes contemplated in this Request for Public Input will not affect loans originated before October 1, 2014.

The remainder of this Request for Public Input sets forth: FHFA's legal authority for directing the Enterprises to set loan purchase limits below the maximum loan limits; the planned approach to reduce the Enterprises' loan limits; and a request for public input regarding implementation of the plan. An appendix to this Request for Public Input includes analysis describing the potential impact of the plan.

### **FHFA's Legal Authority for Setting the Enterprises' Loan Purchase Limits**

In their chartering acts, the Enterprises are authorized to purchase mortgages up to specified limits, as adjusted annually; 12 U.S.C. 1717(b) and 12 U.S.C. 1454(a). The statutes provide that each Enterprise "...shall establish limitations governing the maximum original principal obligation of conventional mortgages that are purchased by it....Such limitations shall not exceed [the loan limits]..."

The Housing and Economic Recovery Act of 2008 (HERA) establishes the maximum loan limits that Fannie Mae and Freddie Mac are permitted to set for mortgage acquisitions. HERA also requires an annual adjustment to these maximums to reflect changes in the national average home price. The maximum general limits are adjusted by a calculation of year-over-year changes to the existing level of home prices. In recent years, FHFA has not selected a specific index, but has noted that all reasonable indexes have declined. On November 26, 2013, FHFA announced maximum loan limits for 2014 and provided a description of the methodology used in determining these limits. The Enterprises, under their charters, then determine whether to set the next year's loan purchase limits at or below the new maximums.

When the Enterprises are in conservatorship, FHFA, as conservator, may take such action as may be: "(i) necessary to put the regulated entity in a sound and solvent condition; and (ii) appropriate to carry on the business of the regulated entity and preserve and conserve the assets and property of the regulated entity." 12 U.S.C. 4617(b)(2)(D).

In addition, FHFA may "perform all functions of the regulated entity in the name of the regulated entity which are consistent with the appointment as conservator or receiver"; 12 U.S.C. 4617(b)(2)(B). FHFA's conservator obligation to preserve and conserve the assets includes policies to reduce the Enterprises' presence in the mortgage market and the risks in their business activities. Exercising, as conservator, a business judgment on a core business function of the Enterprises—setting levels of loan amounts below the maximums eligible for purchase by the Enterprises—is consistent with FHFA legal authorities. Therefore, the conservator's legal authority and responsibility to "carry

on the business” of the Enterprises supports a decision to direct the setting of new and lower loan purchase limits by the Enterprises.

### **A Plan for Setting Loan Purchase Limits Lower than Statutory Maximum Limits**

As FHFA announced on November 26, 2013, the maximum loan limits in 2014 for one-unit properties range from \$417,000 (the baseline limit) in most locations to \$625,500 (the ceiling limit) in certain high-cost areas in the contiguous United States. In accordance with HERA, FHFA will continue to calculate and announce the future annual adjustments to the maximum loan limits in late November of each year.

As described above, the maximum loan limits represent upper bounds to the sizes of loans that the Enterprises can purchase. Through its authority as conservator, FHFA may direct each Enterprise to set new loan purchase limits below the statutory maximum limits and below current limits by the same percentage in every county and county-equivalent area<sup>1</sup> in the country. FHFA has developed a plan to gradually reduce loan purchase limits by reducing the baseline loan limit from \$417,000 to \$400,000, a 4.077 percent decline. The planned ceiling limit in high-cost areas would be lowered by the same percentage from \$625,500 to \$600,000.<sup>2</sup> In areas where current purchase limits lie between the baseline and ceiling limits, the planned loan purchase limit would be decreased by the same percentage as the baseline and ceiling purchase limits (i.e., 4.077 percent). The new, lower, purchase limits would only affect loans originated after October 1, 2014. Loans eligible for purchase before the reductions will remain eligible in the future, regardless of whether they exceed the new loan purchase limits.

As FHFA has noted previously, ample notice will be provided to the market

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<sup>1</sup> “County-equivalent” areas include, for example, parishes in Louisiana.

<sup>2</sup> In Alaska, Hawaii, Guam, and the U.S. Virgin Islands, the baseline and ceiling limits would be reduced to \$600,000 and \$900,000 respectively.

before any change in loan purchase limits would be implemented. To meet that goal and provide an opportunity to receive input in response to this Request for Public Input, the approach described above will not, in any event, affect loans originated before October 1, 2014.

### **Request for Public Input: Implementation Questions**

FHFA requests input from the public and interested parties on the following questions associated with implementing the reduction of the Enterprises' loan purchase limits just described:

1. FHFA has promised to provide at least six months advance notice of any reduction of the loan purchase limit. If FHFA makes a determination and announcement by, for example, March 20, would October 1 be a reasonable effective date, or would operational issues suggest that an alternate or later date in 2014 would be preferable?

2. Assuming the Enterprises' loan limit reduction takes effect for purchases of loans originated on or after October 1, 2014, should that reduction be in effect for 12 months or 15 months? In other words, for future announcements on any future change in the loan purchase limits, is a January 1 origination date preferred, or should those announcements be tied to the initial loan purchase limit reduction date?

3. Is it preferable for the Enterprises to announce a multi-year schedule of proposed decreases? If so, should it be a specific percent per year, perhaps five percent, or a specific dollar reduction, perhaps \$20,000 each year?

4. Currently, there are several geographic areas with limits between the current baseline loan limit of \$417,000 and the ceiling high-cost area limit of \$625,500. The maximum limits in these areas are tied to the median house price in those areas.

Should FHFA tie future reductions in loan purchase limits in those areas to changes in median house prices in any way, or should reductions in those areas simply be proportional to reductions in the baseline limit?

5. Currently, all loan limits are rounded to the nearest \$50. Is this appropriate, or should the loan purchase limits be set at even multiples of either \$1,000 or some other dollar amount for greater simplicity?

FHFA will accept public input through its Office of Policy Analysis and Research (OPAR), no later than March 20, 2014. Communications may be addressed to Federal Housing Finance Agency, OPAR, Constitution Center, 400 Seventh Street SW., Ninth Floor, Washington, DC 20024, or emailed to:

[loanpurchaselimitinput@fhfa.gov](mailto:loanpurchaselimitinput@fhfa.gov). Communications to FHFA may be made public and posted without change on the FHFA Web site at <http://www.fhfa.gov>, and would include any personal information provided, such as name, address (mailing and email), and telephone numbers.

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Edward J. DeMarco,  
Acting Director, Federal Housing Finance Agency.

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Date

## **Appendix: Impact Analysis of Reductions in the Enterprises' Loan Purchase Limits**

This Appendix provides historical background on loan purchase limits, as well as detail on how they have been calculated. Broadly speaking, this background reveals that the current loan purchase limits (which are set at the maximum loan limits) are historically high and that certain implementation decisions have been made that, in some locations, made those limits higher than they otherwise would have been.

Further, this Appendix provides statistics showing the potential market impact of reducing loan purchase limits by the magnitude described in the Request for Public Input. The focus of the analysis is on evaluating the number and types of borrowers that might have been affected had lower loan purchase limits been in place in 2012. The evaluation of 2012 data provides a reasonable indication of likely effects of loan purchase limit reductions in 2014. It is not possible to know with certainty how a different loan purchase limit regime will affect the market environment and specific borrowers, but the analysis suggests a small decline in loan purchase limits will have a modest impact.

### **Background: Baseline Loan Purchase Limit**

Figure 1 plots the time trend in the historical loan purchase limit for one-unit properties in the contiguous United States since 1992.<sup>3</sup> The graph also shows changes in the ceiling loan limit that has capped limits in certain high-cost areas since 2008. Between 2008 and late 2011, that ceiling was \$729,750 for the contiguous U.S. In October 2011, the ceiling was decreased to \$625,500.

Figure 1 reveals that the baseline loan limit of \$417,000 is at its historical peak. To provide context for the relative size of the loan limit increases shown in Figure 1,

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<sup>3</sup> Unless otherwise stated, the loan limits discussed hereafter will be for one-unit properties in the contiguous United States. Loan limits in certain statutorily excepted areas—Alaska, Hawaii, Guam and the U.S. Virgin Islands—are higher, but have trended in the same way as limits for the rest of the country.

Figure 2 plots the growth in baseline loan limits against the growth in several other economic metrics, including median household incomes, consumer prices, and median U.S. home values. The respective values for each of these variables are normalized in the graph so that the value in 1992 for each variable is set equal to 100.

The graph clearly shows the elevated nature of current limits. At \$417,000, the 2013 baseline loan limit, for instance, was 206 percent of its level in 1992. The “ceiling” loan limit—the highest loan purchase limit in high-cost areas—was 309 percent of the 1992 limit. By contrast, 2013 data for median home values, inflation, and median household income indicate that those metrics this year have been between 163 percent and 180 percent of their 1992 levels.

#### **Background: Calculation of Loan Purchase Limits in High-Cost Areas**

While Figures 1 and 2 provide some indication of the elevated nature of loan limits, they only address the baseline and ceiling loan limits. They do not evaluate the actual calculations that have determined maximum loan limits in high-cost areas. It can be shown that specific implementation decisions have made maximum loan limits higher than they otherwise would be in many high-cost areas. In conservatorship, the Enterprises have set their loan purchase limits equal to the statutory maximum loan limits.

Since 2008, maximum loan limits in high-cost areas have been statutorily set as a function of median local home values. Under HERA, the maximum loan limit in high-cost areas is 115 percent of the local median home value. The resulting limit is bounded between \$417,000 and \$625,500.

Because maximum loan limits are determined by median home values, the precise method used for estimating median home values can have a significant impact on the

actual maximum loan limit. Since 2008, for determining maximum loan limits, FHFA has used median home values produced by the U.S. Department of Housing and Urban Development (HUD).<sup>4</sup> FHFA has used the HUD-generated median home values because they have full geographic coverage. That is, median home value statistics are included for all counties across the country—something no other single source provides. Also, the introduction of a set of median home values different from those produced by HUD might generate confusion among market participants.<sup>5</sup>

Although HUD’s methodology for calculating median values is positive in many respects, for many counties, one of the steps in the process makes Enterprise maximum loan limits, which are based on those median values, quite high relative to what the specific county-level data would suggest.

By law, when determining median home values for counties in Metropolitan and Micropolitan Statistical Areas, HUD’s calculation must implement a “high-cost county rule” (HCCR). Under the HCCR, median home values for counties in Metropolitan and Micropolitan areas *must reflect the median values in the highest-cost component county*. To illustrate—for a Metropolitan Statistical Area comprised of 10 counties, HUD begins by separately estimating median home values in each of the 10 counties. Then, after finding the highest of those 10 values, HUD assigns that highest value to all 10 counties in the Metropolitan Statistical Area.

The HCCR tends to lead to an overstatement of local median home values. Washington, D.C. provides a good example. The two dozen county and county-

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<sup>4</sup> HUD computes median home values for the purpose of determining FHA loan limits.

<sup>5</sup> For example, a divergence in the median values used by HUD and FHFA would have meant that, for some years, FHA and Enterprise loan limits would have differed despite the fact that the respective loan-limit formulas were generally the same.

equivalent areas that comprise the Washington, D.C. metropolitan area are diverse in terms of their median home values. Over the last several years, median home values in the most expensive counties have been around \$600,000, whereas homes values in lower-priced areas were in the \$200,000 - \$300,000 range. If pooled, transactions from the metropolitan areas counties would have generated a D.C.-wide median home value of roughly \$300,000-\$400,000. (The precise median home value would have varied over time and would depend on certain technical decisions). Had this median value been used for determination of the maximum loan limit, the area's loan limit likely would have been no higher than \$460,000. Because the HCCR was applied, however, the median home value used for the entire metropolitan area was approximately \$600,000, which is the median home price in the most expensive county. This means that the maximum Washington, D.C. loan limit was determined to be \$625,500 for the last few years.

Seattle, which is comprised of three counties, including King County (the most expensive) is another example of where actual effects have been present. According to the National Association of Realtors, which does not apply a HCCR in computing median home values, the Seattle-area median was around \$300,000 in 2012 and just under that in preceding years. With these median home values, the associated HERA maximum loan limit would have been \$417,000. By contrast, because the HCCR only made use of transactions information for King County, where median home values were \$400,000 and above, the loan limit for the entire metropolitan area was much higher at \$506,000.

However, the overstatement in many places has had no impact on loan limits. In those metropolitan areas, the overstated median home value still was significantly below \$362,600, which is the threshold value below which the maximum loan limit is merely

set at the baseline level of \$417,000.

### **Impact Analysis: Estimates**

Given the elevated nature of existing loan purchase limits, analyzing the possible impact of a loan purchase limit decline is important. This impact analysis evaluates an across-the board decline—i.e., one that reduces loan purchase limits by the same 4.077 percentage in every county and county-equivalent area<sup>6</sup> in the country. Per the planned declines, the baseline loan limit is reduced from \$417,000 to \$400,000, while the ceiling limit is reduced from \$625,500 to \$600,000.<sup>7</sup> In areas where loan limits are bounded by the baseline and ceiling, the loan limit has been reduced by the same percentage.<sup>8</sup>

It is impossible to know with certainty the impact these reductions will have in 2014, but one analysis entails counting the number of acquired Enterprise mortgages with loan amounts above the lower loan purchase limits. Using a database of Enterprise loan acquisitions from 2012, Table 1 shows loan counts by state for the number of Enterprise-guaranteed mortgages with original loan amounts above the planned lower limits. Table 2 shows counts for 25 large Metropolitan Statistical Areas.

Table 1 reveals that, in 2012, roughly 170,000 Enterprise mortgages had original loan balances above the lower loan limits described in the Request for Public Input. This represented roughly 2.9 percent of total Enterprise mortgage acquisitions during 2012. About 50,000 purchase-money mortgages had balances above the lower limits.

Across states and MSAs, the share of mortgages with original balances near the applicable current loan purchase limit varied significantly. In Colorado—a state with a

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<sup>6</sup> “County-equivalent” areas include, for example, parishes in Louisiana.

<sup>7</sup> In Alaska, Hawaii, Guam, and the U.S. Virgin Islands, baseline and ceiling limits are reduced to \$600,000 and \$900,000 respectively.

<sup>8</sup>  $(\$400,000 - \$417,000) / \$417,000 = -.0477$ .

relatively large share of potentially impacted loans—roughly 6 percent of Enterprise mortgages (about 9,300 mortgages) had original balances above the reduced loan purchase limit. By contrast, only about 1 percent of mortgages in West Virginia and Alaska had balances in the affected range. Because loan amounts tend to be higher in urban areas than they are in states, the data in Table 2 reflect slightly larger shares of affected loans for MSAs. The shares of potentially impacted loans still remain relatively modest.

As indicated earlier, the mortgage counts reflected in the tables likely represent a substantial overstatement of the number of borrowers that might have been unable to obtain an Enterprise-eligible loan, or could be unable to do so in 2014. If loan purchase limits had been lower in 2012, some borrowers who took out loans in excess of the lower limit may have been able to modify their plans and borrow less (i.e., might still have taken out an Enterprise-eligible loan). In other words, whether by either increasing down payment or by taking out a larger second mortgage, some borrowers still would have had the ability to take out a loan that met the lower purchase limit.

A different and more sophisticated analysis would investigate statistically the relationship between the loan limit and the distribution of loan amounts. Not surprisingly, a large number of acquired Enterprise loans in 2012 had balances of exactly \$417,000. Developing a statistical model that evaluates the size of the spike in the loan count that occurs at exactly the current loan limit would be valuable for estimating the size of the spike that would occur under a lower loan purchase limit. Unlike the prior impact analysis—which assumes that a borrower with a \$417,000 mortgage would not have obtained an Enterprise-eligible loan if the limit were \$416,999 or lower (i.e., the

loan would have been “eliminated”)—a statistical model can implicitly account for borrower adjustments that would take place.

FHFA has been working on a model that might be used for such a purpose. While crude, a preliminary analysis suggests impact estimates that are roughly half of those produced in the simple approach.

### **Impact Analysis: Loan-Level Inspection**

Although a statistical model would represent an improvement over simply counting mortgages in the affected range, an alternative analysis—one that makes use of loan-level information available to FHFA—is also available. Loan-level data can be used to identify options that would have been available to borrowers had loan purchase limits been lower. In doing so, one can remove from the set of eliminated loans mortgages for which borrowers would have had effective ways of responding to lower loan purchase limits. For example, data showing borrower cash reserves can be used to identify borrowers who, in response to a reduced loan purchase limit, would have had the demonstrated capacity to take out a smaller mortgage. Also, information about FICO scores and the loan-to-value ratio at origination can be used to identify borrowers who likely could have qualified for jumbo mortgages. Because interest rates for jumbo mortgages were only modestly higher than rates for Enterprise mortgages,<sup>9</sup> the “impact” of a borrower receiving a jumbo mortgage as opposed to an Enterprise mortgage would have been minimal. In this analysis, such borrowers are therefore excluded from the counts of impacted borrowers.

Using loan-level data, Table 3 shows the results of this more comprehensive

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<sup>9</sup> Indeed, in some recent periods, the spread in mortgage rates has been zero or negative (i.e., jumbo rates have actually been lower than rates for Enterprise eligible loans).

approach for assessing the expected impact. The first row in the table repeats the impact number that was produced in the crude analysis—169,939. The second row estimates the number of mortgages that would have had balances above the new loan purchase limit and had combined loan-to-value (CLTV) ratios and FICO levels that may have made it difficult for the borrower to obtain jumbo financing.<sup>10</sup> Loans with FICO scores of either less than 720 or CLTV ratios above 80 percent were assumed to present potential difficulties.<sup>11</sup> The third row uses available information on borrower cash-on-hand to eliminate from the remaining sample borrowers who may have had the ability to take out a smaller mortgage.<sup>12</sup>

Ultimately, after the various filters are applied, row 3 of Table 3 shows roughly 32,000 remaining mortgages. This means that, after accounting for loan characteristics and recognizing that jumbo financing would have been a reasonable alternative for many borrowers, the final impact of a loan purchase limit reduction might have only been about 32,000 loans. This figure is roughly 20 percent of the original crude impact estimate. Assuming that approximately 8.4 million mortgages were originated in 2012, the number reflects less than 0.4 percent of all 2012 loan originations.

It should be noted that the final impact analysis does not account for the

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<sup>10</sup> The CLTV is the sum of all original loan amounts—including balances for first and second mortgages originated—divided by the value of the property.

<sup>11</sup> Second liens information is readily available for Fannie Mae loans; however, second liens data for Freddie Mac loans are incomplete. Accordingly, a factor derived from Fannie Mae data was used to produce an estimate for Freddie Mac. Specifically, Fannie Mae data indicated that, among mortgages with good FICO scores and with *first* liens that represented either 80 percent or less of the property value, only about 5 percent had second liens that may have hindered access to jumbo mortgages (i.e., the combined LTV would have exceeded 80 percent). The number of Freddie Mac loans with favorable FICO and CLTV values was thus assumed to be 95 percent of the number of Freddie Mac having a FICO of 720 and with a first-lien LTV ratio of 80 percent or below.

<sup>12</sup> Because cash reserves data are unavailable for Freddie Mac, to arrive at its final impact estimate (that omits loans with sufficient cash reserves)—an imputation was used. Consistent with available data for Fannie Mae, it was assumed that roughly 24 percent of Freddie Mac’s jumbo-ineligible loans had sufficient cash reserves.

availability of mortgages endorsed by the Federal Housing Administration (FHA). Some of the roughly 32,000 impacted loans may have been able to obtain FHA financing.

While borrower costs would be higher (vis-à-vis Fannie Mae, Freddie Mac, and jumbo loans), such borrowers would have obtained mortgage rates that still were attractive from a historical perspective.

### **Impact Analysis: Characteristics of Impacted Loans**

Table 4 attempts to answer: “What types of borrowers and what types of loans would be affected by the loan purchase limit reductions?” The table shows summary statistics for loans that the more comprehensive impact analysis suggested might be affected. The first column of the table shows summary data for roughly 32,000 loans identified in the comprehensive impact analysis.<sup>13</sup> The second column shows statistics for only the purchase-money mortgages contained in that sample. Approximately 40 percent of the affected loans were purchase-money mortgages. The final column shows statistics for only about 13,000 loans.

The table shows that potentially affected borrowers had relatively high incomes. The median 2012 household income for impacted borrowers who took out purchase-money mortgages was about \$176,000—more than three times than the national median.

Twenty-five percent of such borrowers had household incomes of more than \$229,000.

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<sup>13</sup> Although Table 3 reported a total of about 32,000 potentially impacted loans, loan characteristics for some impacted loans are not observable. The absence of certain loan-level data for Freddie Mac meant that some of the overall impact was based on imputations; i.e., the specific impacted loans were not identifiable. For the purpose of analyzing impacted loans in Table 4 then, a sample was assembled that contained the loans in the final Fannie Mae affected sample (which were identifiable) plus a set of Freddie Mac loans that were reasonably representative. The Freddie Mac loans included were cases where the borrower had either a FICO score of below 720 OR a first-lien ratio of more than 80 percent. This Freddie Mac sample captures some borrowers who might not have been ultimately impacted (e.g., borrowers who had sufficient reserves to take out an Enterprise-eligible loan) and excludes some borrowers who might have been impacted (e.g., borrowers who had second liens that drove up their CLTV values to above 80 percent). The effects of this imperfect overlap on the representativeness of the overall sample (i.e., the pooled sample of Fannie Mae and Freddie Mac loans) should be modest, however.

In general, the potentially impacted borrowers were attempting to either buy or refinance relatively expensive homes. Across all mortgage types, the median home value was \$550,000, while the median sales price for purchased homes was around \$520,000. Twenty-five percent of borrowers were attempting to buy homes valued at either \$649,000 or more.

Although Table 4 shows many of the affected loans were in California, Illinois, Texas, Florida, and Colorado, these states collectively did not comprise a majority of the impacted loans. Combined, these states accounted for only about 40 percent of affected loans, suggesting that the effects of a loan purchase limit decline might have been geographically dispersed.

### **Impact Analysis: A Note about Home Prices**

In light of the limited number of affected purchase-money mortgages, it would be reasonable to assume the market effects of a small loan purchase limit decline would be modest. Given the millions of single-family property transactions that occur each year in this country, the influence that around 13,000 purchase-money mortgages might have on home prices would seem to be relatively small.

Though not conclusive, historical evidence supports the expectation that the price effects will be modest. Loan limits decreased in certain high-cost areas in late 2011 with little discernible impact on observable prices. While no comprehensive analysis has been conducted into the effects of that reduction, post-reduction price increases—in many cases large increases—were evident in many of the most affected areas. For instance, Washington, D.C., Los Angeles, San Francisco, and San Diego—cities that saw loan limit reductions of more than \$100,000—experienced price increases in the following

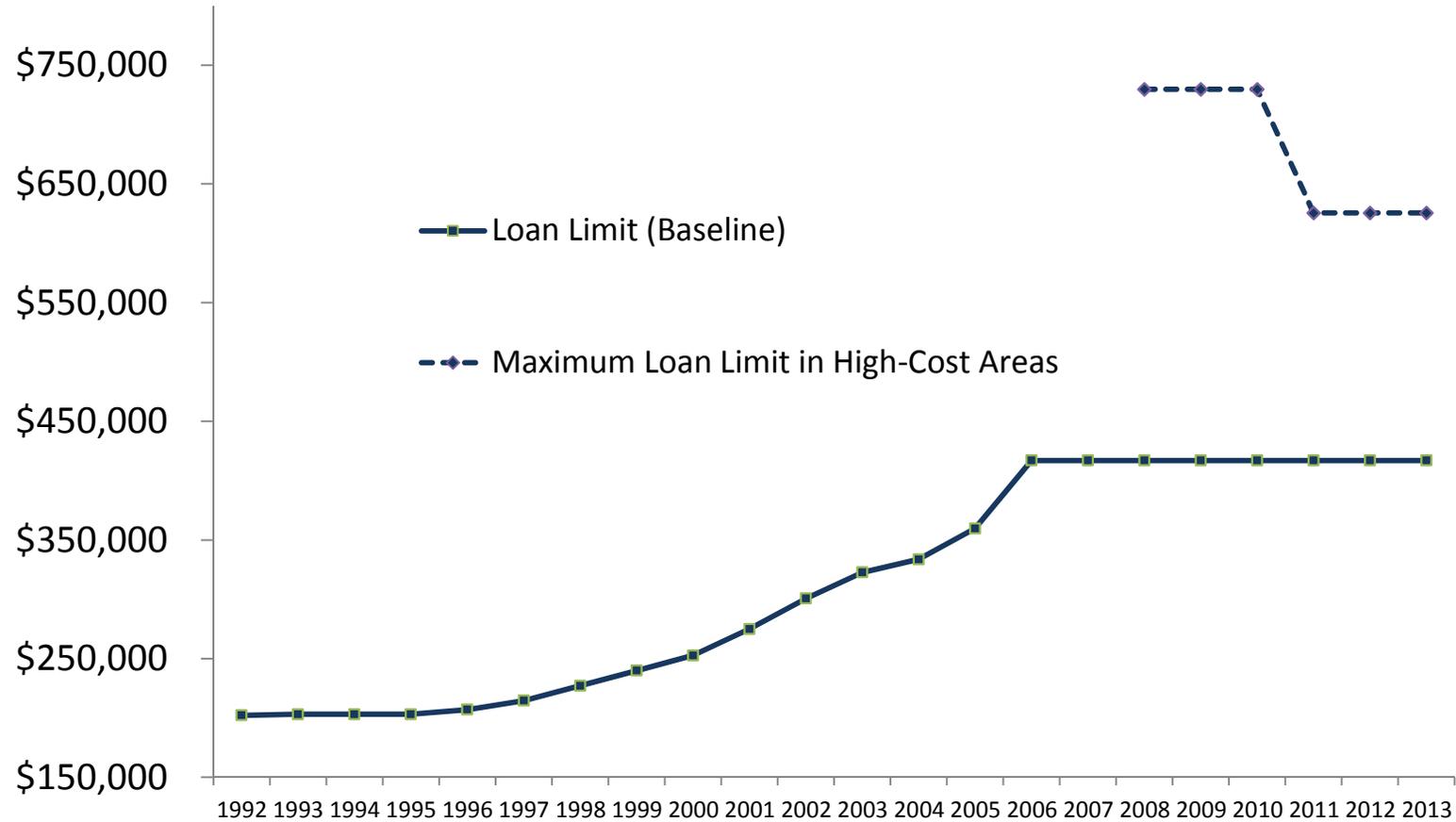
four quarters between 5.2 and 10.0 percent. These appreciation rates compared positively to the national appreciation over that period of 4.0 percent.

The late-2011 loan purchase limit reduction was geographically smaller in scope than the one contemplated for 2014.<sup>14</sup> In many areas, the 2011 loan limit declines were much larger than the planned 2014 loan purchase limit declines. Moreover, the 2011 reduction occurred in a fragile period for the housing recovery and appeared to have a limited impact during a fragile economic recovery period. This suggests that the impact of the contemplated 2014 loan limit reduction may be quite limited.

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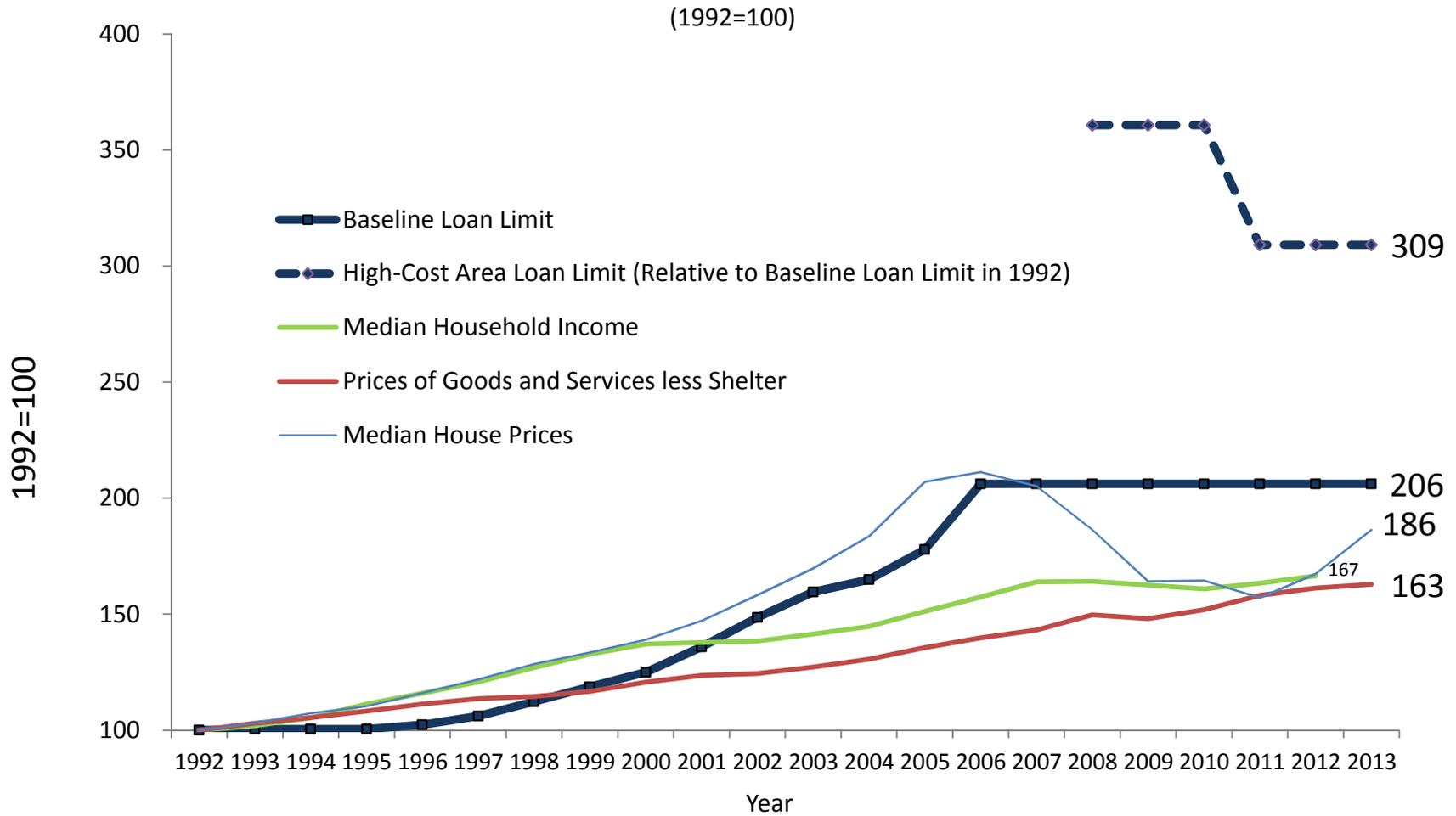
<sup>14</sup> Prior to the implementation of the 2011 reduction, a Mortgage Market Note was published that found that roughly 50,000 Enterprise loans with potentially affected loan amounts had been originated in the prior year. The 50,000 estimate did not include condominiums and properties in Planned Unit Developments—properties included in the mortgage counts supplied in this analysis. Even adjusting for those exclusions, however, the scope of the 2011 loan limit reduction was substantively smaller.

Figure 1  
Enterprise Conforming Loan Limits Between 1992 to 2013



Notes: (1) The reported Baseline and Maximum Loan Limits reflect the limits in effect for mortgages in the contiguous United States; (2) The \$729,750 Maximum Loan Limit in High-Cost Areas originally became effective with the February 2008 enactment of the Economic Stimulus Act of 2008; (3) The 2011 High-Cost Area maximum is the maximum that was set under the terms of HERA, which applied to loans originated after September 30th. Prior to October 1, 2011, the maximum limit in high-cost areas was \$729,750.

Figure 2  
Growth in Conforming Loan Limit vs. Growth in Other Economic Metrics



Source: FHFA calculations based on data from: Census Bureau (Median Household Income--Table H-6 Current Population Survey), Bureau of Labor Statistics (Prices of Goods and Services less Shelter--Series CUUR0000SA0L2), and National Association of Realtors (Median U.S. House Prices).

**Table 1: Enterprise Acquisitions by State in 2012**  
**Count of Mortgages with Original Balances above the Contemplated Loan Purchase Limits**  
**(\$400,000 in most areas, but as high as \$600,000 in the contiguous U.S.)**  
**[One-Unit Properties]**

Counts that Represent 10% or More of Total Mortgage Count for Category are Highlighted in **Red**

State	Total Acquisitions (Purchase-Money + Refinance)	Loans with Balances above Contemplated Loan Purchase Limits		
		All Loans	Purchase-Money Mortgages	Refinance Mortgages
USA	5,786,103	169,939	50,011	119,928
Alabama	58,941	1,533	392	1,141
Alaska	12,519	70	27	43
Arizona	163,201	4,414	1,427	2,987
Arkansas	34,005	620	173	447
California	978,907	36,213	8,676	27,537
Colorado	155,643	9,305	3,019	6,286
Connecticut	66,447	1,962	604	1,358
D.C.	15,240	907	<b>337</b>	570
Delaware	19,756	702	206	496
Florida	278,278	6,940	2,771	4,169
Georgia	157,335	5,214	1,854	3,360
Hawaii	23,116	322	118	204
Hawaii	35,350	555	167	388
Illinois	294,650	12,502	2,825	9,677

**Table 1: Enterprise Acquisitions by State in 2012**  
**Count of Mortgages with Original Balances above the Contemplated Loan Purchase Limits**  
**(\$400,000 in most areas, but as high as \$600,000 in the contiguous U.S.)**  
**[One-Unit Properties]**

Counts that Represent 10% or More of Total Mortgage Count for Category are Highlighted in **Red**

State	Total Acquisitions (Purchase-Money + Refinance)	Loans with Balances above Contemplated Loan Purchase Limits		
		All Loans	Purchase-Money Mortgages	Refinance Mortgages
Indiana	110,249	1,779	450	1,329
Iowa	68,853	946	165	781
Kansas	42,232	852	290	562
Kentucky	60,555	1,080	273	807
Louisiana	49,446	1,388	371	1,017
Maine	18,653	448	94	354
Maryland	133,349	3,494	1,065	2,429
Massachusetts	176,344	5,525	1,703	3,822
Michigan	213,967	2,784	776	2,008
Minnesota	145,011	4,667	1,466	3,201
Mississippi	24,919	533	92	441
Missouri	117,648	2,994	618	2,376
Montana	22,267	630	141	489
Nebraska	36,855	550	120	430
Nevada	51,895	893	315	578

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State	Total Acquisitions (Purchase-Money + Refinance)	Loans with Balances above Contemplated Loan Purchase Limits		
		All Loans	Purchase-Money Mortgages	Refinance Mortgages
New Hampshire	30,085	473	159	314
New Jersey	164,791	3,580	1,205	2,375
New Mexico	29,040	884	246	638
New York	186,216	3,606	1,297	2,309
North Carolina	158,866	6,063	1,749	4,314
North Dakota	11,720	162	59	103
Ohio	178,871	2,910	792	2,118
Oklahoma	39,360	1,003	316	687
Oregon	94,267	3,614	1,144	2,470
Pennsylvania	183,546	6,231	1,988	4,243
Rhode Island	18,367	451	118	333
South Carolina	69,359	2,473	672	1,801
South Dakota	16,315	314	66	248
Tennessee	83,165	2,800	989	1,811
Texas	307,965	11,724	4,784	6,940

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State	Total Acquisitions (Purchase-Money + Refinance)	Loans with Balances above Contemplated Loan Purchase Limits		
		All Loans	Purchase-Money Mortgages	Refinance Mortgages
Utah	71,279	1,243	324	919
Vermont	13,821	347	82	265
Virginia	184,540	3,758	1,181	2,577
Washington	179,448	5,021	1,696	3,325
West Virginia	13,415	140	30	110
Wisconsin	174,935	3,055	522	2,533
Wyoming	11,101	265	57	208

**Table 2: Enterprise Acquisitions by Metropolitan Area in 2012**  
**Count of Mortgages with Original Balances above the Contemplated Loan Purchase Limits**  
**(\$400,000 in most areas, but as high as \$600,000 in the contiguous U.S.)**  
**[One-Unit Properties]**

Counts that Represent 10% or More of Total Mortgage Count for Category are Highlighted in **Red**

Metropolitan Statistical Area	Total Acquisitions (Purchase-Money + Refinance)	Loans with Balances above Contemplated Loan Purchase Limits		
		All Loans	Purchase-Money Mortgages	Refinance Mortgages
Atlanta-Sandy Springs-Rosewell, GA	112,311	4,446	1,683	2,763
Baltimore-Columbia-Towson, MD	58,342	1,410	522	888
Boston-Cambridge-Newton, MA-NH	136,321	3,520	1,211	2,309
Charlotte-Concord-Gastonia, NC-SC	38,956	1,811	610	1,201
Chicago-Naperville-Elgin, IL-IN-WI	226,522	12,034	2,773	9,261
Dallas-Fort Worth-Arlington, TX	107,661	4,226	1,677	2,549
Denver-Aurora-Lakewood, CO	86,522	5,820	2,090	3,730
Detroit-Warren-Dearborn, MI	102,427	1,314	432	882
Houston-The Woodlands-Sugar Land, TX	84,401	3,593	1,675	1,918
Los Angeles-Long Beach-Anaheim, CA	310,099	9,511	2,275	7,236
Miami-Fort Lauderdale-West Palm Beach, FL	69,413	2,941	1,204	1,737
Minneapolis-St. Paul-Bloomington, MN-WI	103,245	4,039	1,351	2,688
New York-Newark-Jersey City, NY-NJ-PA	245,516	4,456	1,623	2,833
Philadelphia-Cambden-Wilmington, PA-NJ-DE-MD	114,979	5,439	1,693	3,746
Phoenix-Mesa-Scottsdale, AZ	120,090	3,584	1,219	2,365
Pittsburgh, PA	27,937	789	334	455

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Counts that Represent 10% or More of Total Mortgage Count for Category are Highlighted in **Red**

Metropolitan Statistical Area	Total Acquisitions (Purchase-Money + Refinance)	Loans with Balances above Contemplated Loan Purchase Limits		
		All Loans	Purchase-Money Mortgages	Refinance Mortgages
Portland-Vancouver-Willsboro, OR-WA	64,863	2,995	990	2,005
Riverside-San Bernardino-Ontario, CA	84,212	2,653	693	1,960
San Antonio-New Braunsfels, TX	21,122	709	236	473
San Diego-Carlsbad, CA	89,930	3,438	1,023	2,415
San Francisco-Oakland-Hayward, CA	162,512	9,706	<b>2,282</b>	7,424
Seattle-Tacoma-Bellevue, WA	108,055	3,112	1,246	1,866
St. Louis, MO-IL	72,895	2,426	471	1,955
Tampa-St. Petersburg-Clearwater, FL	41,707	979	411	568
Washington-Arlington-Alexandria, DC-VA-MD-WV	176,707	5,307	1,697	3,610

Table 3: 2012 Mortgages that Might Have Been Affected Had Loan Limits been at Contemplated Loan Purchase Limits

	<b>Total</b>
[1] Loan Amount Above Contemplated Loan Purchase Limit	169,939
[2] Loan Amount Above the Contemplated Loan Purchase Limit AND Either: FICO<720 OR Combined Loan-to-Value Ratio (CLTV) >80 percent*	41,982
[3] Loan Amount Above Contemplated Loan Purchase Limit AND (FICO<720 OR CLTV>80%) AND Insufficient Reserves available for a larger downpayment.**	31,846

Assuming roughly 8.4 million mortgages were originated in 2012,\*\* this represents less than 0.4 percent of the overall market.

Notes:

\* - Because second liens data were incomplete for Freddie Mac mortgages, a scaling factor was used to derive the number of affected loans for Freddie Mac. See text for details.

\*\* - For Fannie Mae mortgages, "Insufficient reserves" were indicated where reducing the loan amount to the new loan limit would entail reducing total assets to less than 12 months worth of payment reserves. Because loan-level cash reserves data were available for Freddie Mac loans, the underlying estimate for Freddie Mac was derived. See text for details.

\*\* 8.4 Million is a crude estimate. It assumes roughly 5.7 million Enterprise loans (Data from Enterprise Historical Loan Performance Database) + 1 million FHA loans (rough estimate from FHA monthly summaries) + .5 million VA loans (crude estimate from VA monthly summaries). Estimates from Inside Mortgage Finance were used to estimate that the non-Government market comprised about 14 percent of overall originations.

Table 4: Mortgage and Borrower Characteristics for Loans that Might Have Been Affected by a Lower 2012 Loan Limit

Attribute	Share or Number of Loans	
<i>Sample</i>	All Potentially Affected Loans (Roughly 33,000 loans)	Potentially Affected <i>Purchase-Money</i> Mortgages (Roughly 13,000 loans)
<i>Loan Purpose</i>		
Purchase-Money Share	39.0%	100%
Cash-Out Refinance Share	9.3%	-
Rate-Term Refinance (or "Other")	51.7%	-
<i>Other Loan Characteristics</i>		
Median Loan Amount	\$417,000	\$417,000
Household Income		
<i>25th Percentile</i>	\$135,432	\$139,704
<i>Median</i>	\$177,744	\$176,490
<i>75th Percentile</i>	\$240,000	\$229,776
Home Values		
<i>25th Percentile</i>	\$459,849	\$452,500
<i>Median</i>	\$550,000	\$520,000
<i>75th Percentile</i>	\$700,000	\$649,900
Median FICO	715	732
Median LTV (First Mortgage Amount / Home Value)	0.80	0.85
Back-End DTI		
<i>25th Percentile</i>	27%	28%
<i>Median</i>	35%	35%
<i>75th Percentile</i>	41%	41%
<i>90th Percentile</i>	45%	44%
State Representation (Largest 5 States)		
California	4,325	1,441
Texas	2,584	1,302
Illinois	2,468	773
Colorado	1,991	950
Florida	1,854	681

Source: FHFA (Historical Loan Performance Database)