Ken and Paul
Can we meet today to discuss the memo I preparted and next steps for the Green Acres financing project? Can you let me know what time works for you?

Thanks.
Spencer
Sent from my Comstar Wireless Handheld
(www.comstarinteractive.com)
----- Original Message
From: Kagan, Spencer
To: Cohen, Kenneth; Hughson, Paul A
Sent: Thu Aug 07 17:14:59 2008
Subject: Green Acres - Preliminary Debt Proceeds Estimate
Ken and Paul,
Attached is a memo that I prepared that outlines the rating agency approach to a liquidating trust structure and which includes a preliminary model and investment grade estimate. Please let me know if I should pass this along to Mark. JF had asked us to get back to him before the end of the week. I'll be out tomorrow, but available if you want to discuss. If you think it would be appropriate, I could have the desk run a breakeven on the deal and we can use it to compare to the corporate rating option.

Thanks.

Spe <<Estimated Rated Debt Proceeds.doc>> ncer
<<Estimated Rated Debt Proceeds.doc>>
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# LEHMAN BROTHERS 

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## Memorandum

| TO | Mark Walsh, Ken Cohen, Paul Hughson |
| :--- | :--- |
| FRom | Spencer Kagan |
| CC |  |
| DATE | August 8, 2008 |
| sUbject | Green Acres - Preliminary Estimated Liquidating Trust Rated Debt Proceeds |

The purpose of this memorandum is to preliminarily estimate the potential rated debt proceeds that would be achieved by creating a liquidating trust structure for assets being contributed to Green Acres. The liquidating trust structure is a vehicle used to monetize recoveries from a subperforming and non-performing commercial real estate loan portfolio through liquidation of assets. Proceeds from liquidation are used to first pay down the rated debt and returns to equity are achieved from the residual assets remaining after the repayment of the rated debt. Current debt service is maintained via current interest payment on the loans, income from REO or interest reserves.

Although the liquidating trust structure has been used relatively infrequently enough information exists on the performance of rated debt in these structures for the agencies to derive a perspective on potential recoveries for the assets proposed to be included in Green Acres. For purposes of preliminarily estimating the rated debt from Green Acres it is assumed that the rating agencies will arrive at expected recoveries within the same range as prior recoveries from other liquidating trust structures. Details available on the assets included in Green Acres was limited to overview charts of the potential portfolio, including regional breakdowns, property type and security interest. No property specific information was made available to arrive at these estimates. Consequently, these estimates should be viewed as highly preliminary.

In addition to preliminarily estimating debt proceeds, this memorandum also outlines the approach that the rating agencies would be expected to take in arriving at investment grade proceeds and potential loan structures. The information that would need to be made available to the rating agencies will also be described. It should be noted that if the transaction were to be publically rated the agencies would likely publish details on the largest exposures included in the transaction.

## Derived Investment Value (DIV)

The primary property specific tool used by rating agencies and investors in determining recovery rates on sub-performing and non-performing commercial real estate loans is the Derived Investment Value (DIV). DIV is a valuation methodology similar to a discounted cash flow which projects a loan's future cash flows net of collection expenses. The details of the underlying property are projected along with the associated loan terms. Loans that cannot pay according to their original terms are modeled based upon expected cash flow during a recovery
period, time to recovery and ultimate recovery rates. Individual business plans can range from loans paying according to terms, loans paying according to modified terms, discounted payoffs and foreclosures. Backup and support is needed for each business plan.

## Prior Liquidating Trust Structures

In the US, the liquidating trust structure was used by both the RTC and private issuers during the early 1990's to maximize returns on pools of non-performing and sub-performing loans. Trust bonds were issued to third party, institutional investors. The N Series transactions performed well, paying off on average in 21 months. The RTC also created other liquidating programs which could be applicable for Green Acres assets, including one for land and construction loans.

## RTC N Series

Between 1992 and 1993 there were a total of six N-Series partnership transactions in which the RTC placed 2,600 loans with an approximate book value of $\$ 2.8$ billion and a DIV of $\$ 1.3$ billion. A total of $\$ 975$ million of CMBS bonds were issued for the six N-Series transactions, representing $60 \%$ of the value of N-Series trust assets as determined by a competitive bid process and $75 \%$ of DIV for these same assets. The size of each N -Series trust was considerably smaller than the Green Acres portfolio. The average portfolio had a book value of $\$ 464$ million and a DIV of $\$ 220$ million. It required an equity investment between $\$ 30$ and $\$ 70$ Million.

Recovery rates for the N-Series averaged $57 \%$ of book value versus Derived Investment Value (DIV) which averaged $48 \%$ of book value. In other words, recoveries on the N-Series transactions averaged $119 \%$ of DIV. Over time, the RTC adjusted its DIV methodology to reflect the stronger than anticipated collateral performance.

In addition to the N Series transactions, the RTC created liquidating land trusts on a total of $\$ 2.2$ Billion of book value land loans. The recovery rates on the land trusts were $27 \%$ of book value or $93 \%$ of DIV. Other methods of liquidating land and construction loans included Auction, Sealed Bids and Seller Financing, resulting in recoveries to book value of $47 \%, 30 \%$ and $26 \%$ respectively. Overall, the recovery rates on land assets were materially lower than the recovery rates on operating properties. (See Appendix 2 for N Series Recovery Rates).

## Kearny Street

One of the largest private NPL transactions rated in the US was Kearny Street which comprised the 1993 spin off of $\$ 1.6$ Billion of troubled commercial real estate loans from Bank of America to Morgan Stanley. In this case, the DIV of the portfolio was $35 \%$ of total assets while the investment grade advance rate was $31 \%$ of total principal balance. Approximately $93.5 \%$ of these assets were operating properties and $6.5 \%$ was land. The capitalization rates used in the DIV model were a weighted average $11.75 \%$ which is substantially higher than what would be utilized today.

## European Deals

More recently, the non-performing deal structure was utilized in Italy and Germany for liquidating pools of non-performing loans. In 2004, S\&P noted that it had rated 14 Italian NPL transactions with a total Gross Book Value (GBV) €18.0Billion and total rated debt of $€ 6.3$ Billion. Overall, recovery rates averaged $65 \%$ of GBV with most of the pools containing primarily secured loans. Unsecured loan recovery rates averaged $35 \%$, but the sample size is relatively small. The rating agencies gave only $0 \%-15 \%$ credit for unsecured loans. Expenses for these pools averaged $5 \%$ to $15 \%$ of GBV. Fitch has also published on Italian NPL transactions and noted overall recovery rates of $62 \%$ gross book value (GBV) with a range of $55 \%$ to $70 \%$.

NPL portfolios have also been structured in Germany. Between 2003 and 2006 approximately $€ 25.7$ Billion of NPL's were traded in 21 separate transactions ranging between $€ 0.35$ and $€ 3.60$ Billion. Unfortunately, solid information on recovery rates has not been made available. With regard to rated debt the Blue Bonnet Finance transaction issued in 2006 is illustrative of the NPL transactions rated in Germany. The transaction contained an outstanding principal balance of $€ 1.517$ Million, aggregate legal claims of $€ 2.772$ Million, aggregate property value of $€ 2.231$ and a discounted portfolio business plan value (BPPV) of $€ 1.642$. The composition of the portfolio was approximately $50 \%$ NPL, $25 \%$ non-performing and $25 \%$ performing. The advance rate on investment grade bonds was $81 \%$ of discounted BPPV ( $7.5 \%$ discount rate) and $48 \%$ of outstanding legal claims. It should be noted that the structure contained a twelve month liquidity facility which aggregated to $9.7 \%$ of the issued debt.

## Rating Agency Methodology

Since there have not been any recent liquidating trust structures rated in the US the bulk of the rating agency published criteria comes from European transactions, particularly in Italy. Since the legal environment in Italy is significantly different than the jurisdictions covering most of the Green Acres assets the criteria would most likely need to be adjusted to fit the legal and market environment for the Green Acres portfolio.

The rating agency approach mirrors the DIV analysis, especially for Moody's and S\&P. First, the property level cash flows are derived and then loan level cash flows are evaluated. The cash flow achievable from the loan is analyzed, along with the timing for a recovery. The rating agencies can be expected to derive a mortgage value taking into account the potential legal environment and security interest of the position, as well as the ability of the servicer to realize on the business plan. The legal environments of assets included Green Acres vary considerably from region-to-region, so the potential recoveries will be adjusted on a regional basis.

Some of the key considerations taken into account in determining the loan specific business plan and valuation would include the following:

- Liquidity in deal
- Recovery volume and Velocity rates
- Geographic location
- Property type
- Granularity
- Litigation/out of court resolution
- Special Servicer capabilities

Generally, recourse is not considered in the loan recovery analysis unless the entity providing the recourse is rated. Depending on the rating agency's analysis of the property, borrower, loan structure and business plan, stresses will be applied to the loan cash flows, time to recovery and ultimate recovery amount.

The expectation is that the rating agency advance rates will be driven off of their adjusted DIV analysis which will vary between security interests, region and property type. For example, valuations of equity and mezz will be substantially lower than for senior interests. In the attached rating agency model (Appendix 1), the loan valuation of mezz is half of that used for first mortgages. Additionally, advance rates against rating agency value in Europe are assumed to exceed those in the US and Asia by ten percent.

## Conclusion

For the Green Acre's assumed liquidation trust structure the estimated investment grade proceeds and total bonds issued would be $33.2 \%$ and $35.7 \%$, respectively of outstanding principal balance. According to the Green Acres Model of July $30^{\text {th }}$, a total of $\$ 28.7$ Billion in assets to be leveraged would result in investment grade bonds of $\$ 6.65$ Billion. Given the highly preliminary nature of this estimate the range of final outcomes could be $10 \%$ to $15 \%$ in either direction. The expected liquidity requirement would range from 12 to 18 months. Capital reserves would be required, but would need to be determined after a further review of the portfolio

## Next Steps

In order to better access the potential viability of the liquidating trust structure, the following additional steps would be needed:

- Price bonds and compare execution to corporate debt option
- Obtain more detailed breakdowns of the portfolio
- Determine current cash flow available globally and calculate DSCR for the bonds
- Explore capital requirements for the portfolio
- Review Trimont and/or additional valuations of underlying assets
- Conduct additional research of securitization parameters in Asia and Europe

Please let me know if you would like to discuss or if you have any questions.

## Appendix 1

| Projected Rating Agency Model |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aggregate Green Portfolio Per Model | \$ 20,081,000,000 |  |  |  |  |  |
| Assumed Recovery Rates by Security Interest as \% of Outstanding Balance | Recovery Rates | Green \% |  |  |  |  |
| First Mortgages | 60.0\% | 46.0\% |  |  |  |  |
| Mezz | 30.0\% | 13.0\% |  |  |  |  |
| Equity | 20.0\% | 18.0\% |  |  |  |  |
| Securities | 90.0\% | 11.0\% |  |  |  |  |
| Other | 50.0\% | 8.0\% |  |  |  |  |
| NPL | 50.0\% | 4.0\% |  |  |  |  |
| Wtd. Avg./Total | 51.0\% | 100.0\% |  |  |  |  |
| Expected IG Advance Rate <br> as \% of Rating Agency Valuation <br> Americas Europe Asia |  |  |  |  |  |  |
| AAA | 30.0\% | 40.0\% | 30.0\% |  |  |  |
| AA | 40.0\% | 50.0\% | 40.0\% |  |  |  |
| A | 50.0\% | 60.0\% | 50.0\% |  |  |  |
| BBB | 55.0\% | 75.0\% | 55.0\% |  |  |  |
| BBB- | 60.0\% | 80.0\% | 60.0\% |  |  |  |
| NR | 65.0\% | 85.0\% | 65.0\% |  |  |  |
| Green Percentage by Region | 57.0\% | 25.0\% | 18.0\% |  |  |  |
| Advance Rates as \% of Outstanding Balance |  |  |  |  |  |  |
|  | Americas | Europe | Asia | Overall | S Leverage | CS Level |
| AAA | 15.3\% | 20.4\% | 15.3\% | 16.6\% | \$ 3,328,425,750 | 53.6\% |
| AA | 20.4\% | 25.5\% | 20.4\% | 21.7\% | S 4,352,556,750 | 39.3\% |
| A | 25.5\% | 30.6\% | 25.5\% | 26.8\% | \$ 5,376,687,750 | 25.0\% |
| BBB | 28.1\% | 38.3\% | 28.1\% | 30.6\% | S 6,144,786,000 | 14.3\% |
| BBB- | 30.6\% | 40.8\% | 30.6\% | 33.2\% | \$ 6,656,851,500 | 7.1\% |
| NR | 33.2\% | 43.4\% | 33.2\% | 35.7\% | S 7,168,917,000 | 0.0\% |

## Appendix 2

Recovery Rates Achieved by the RTC
RTC Equity Partnerships Compared by Asset Type
Stated As a Percentage of Book Value (\$ in Millions)

Disposition Strategy for Commercial/Multi-Family Assets

|  | NPV of Actual and <br> Projected <br> Collections | Book <br> Value | Collections as a <br> Percentage of Book <br> Value |
| :--- | :---: | :---: | :---: |
| SN Series | $\mathbf{\$ 2 5 4}$ | $\mathbf{\$ 4 4 0}$ | $\mathbf{5 8 \%}$ |
| N Series | $\mathbf{1 , 5 7 3}$ | $\mathbf{2 , 7 8 2}$ | $\mathbf{5 7}$ |
| S Series | $\mathbf{5 7 1}$ | $\mathbf{1 , 0 1 9}$ | $\mathbf{5 6}$ |
| MIF Series | $\mathbf{9 9 5}$ | $\mathbf{2 , 0 3 4}$ | $\mathbf{4 9}$ |
| Auctions | 211 | 466 | 45 |
| MAST (Multi-Asset Sales Transactions) |  |  |  |
| Seller Financing | 887 | 2,053 | 43 |
| Sealed Bids | 3,132 | 7,472 | 42 |

Disposition Strategy for Land and Construction Assets

| Auctions | $\$ 122$ | $\$ 259$ | 47 |
| :--- | ---: | ---: | :--- |
| Sealed bids | 122 | 407 | 30 |
| NP Series | $\mathbf{1 4 5}$ | $\mathbf{5 3 7}$ | $\mathbf{2 7}$ |
| Land Funds | $\mathbf{5 9 2}$ | $\mathbf{2 , 2 1 8}$ | $\mathbf{2 7}$ |
| MAST Seller Financing | 279 | 1,057 | 26 |

Recovery Rates Achieved by the RTC
RTC Equity Partnerships Compared by Asset Type
Stated As a Percentage of Book Value (\$ in Millions)

Disposition Strategy for Commercial/Multi-Family Assets
$\left.\begin{array}{lcrl}\hline & \begin{array}{c}\text { NPV of Actual and } \\ \text { Projected }\end{array} & & \text { Collections as a Percentage } \\ \text { Collections }\end{array}\right)$

Disposition Strategy for Land and Construction Assets

| Auctions | $\$ 122$ | NA | NA |
| :--- | :---: | :---: | :---: |
| Sealed bids | 122 | 163 | 75 |
| NP Series | $\mathbf{1 4 5}$ | $\mathbf{1 1 9}$ | $\mathbf{1 2 2}$ |
| Land Funds | $\mathbf{5 9 2}$ | $\mathbf{6 4 0}$ | $\mathbf{9 3}$ |
| MAST Seller Financing | 279 | 306 | 91 |

Source: FDIC

