Report On Performance Of Swap Agreements As Of December 31, 2007
Variable Rate Unlimited Tax School Building Bonds, Series 2005-A \& Variable Rate Unlimited Tax School Building Bonds, Series 2006-B

Tuesday, February 12, 2008

## Table Of Contents

1 Performance Of Swap Agreements - Summary
2005 Swap Agreements
$3 \quad 2006$ Swap Agreement

## Performance Of Swap Agreements - Summary

In order to reduce Denton Independent School District's (the "District") interest cost as compared to the interest cost on traditional fixed rate bonds, the District entered into swap agreements (the "2005 Swap Agreements" and "2006 Swap Agreement") to "synthetically fix" the variable rate of interest on its Variable Rate Unlimited Tax School Building Bonds, Series 2005-A and Series 2006-B.
$\square$ As summarized within the table below, the District's outstanding swap agreements have continued to provide a lower interest cost in comparison to traditional fixed rate bonds.

| Performance Of Outstanding Swap Agreements - Inception Through December 31, 2007 |  |  |  |
| :---: | :---: | :---: | :---: |
| Description | 2005 Swap Agreements (See "Tab 2") | $\begin{gathered} 2006 \text { Swap } \\ \text { Agreement } \\ \text { (See "Tab 3") } \end{gathered}$ | Combined Swap Agreements |
| Notional Amount Of Outstanding Swap Agreements | \$46,500,000 | \$30,000,000 | \$76,500,000 |
| Estimated Fixed Pay Swap Rate | 3.42\% | 4.08\% | --- |
| Estimated Liquidity \& Remarketing Costs | 0.25\% | 0.26\% | --- |
| Estimated Basis Cost/(Benefit) | 0.00\% - 0.35\% | (0.85\%) - 0.00\% | --- |
| Total Anticipated Fixed Pay Swap Rate | 3.67\% - 4.02\% | 3.49\% - 4.34\% | --- |
| Actual Fixed Pay Swap Rate | 3.42\% | 4.08\% | --- |
| Actual Liquidity \& Remarketing Costs | 0.16\% | 0.16\% | --- |
| Historical Basis Cost/(Benefit) | 0.16\% | 0.36\% | --- |
| Total Actual Fixed Pay Swap Rate To-Date | 3.74\% | 4.60\% | --- |
| Traditional Fixed Rate Bonds | 4.45\% | 4.94\% | --- |
| Debt Service Benefit Achieved By The District To-Date | \$960,792 | \$139,833 | \$1,100,625 |
| Market Value Of Swap Agreements As Of December 31, 2007 | (\$1,462,685) | (\$2,776,734) | (\$4,239,419) |
| Final Maturity Of Swap Agreements | 2035 | 2035 | --- |



## Performance Of Swap Agreements - Summary (Continued)

$\square$ Due to several recent economic factors, including the reduction in the Federal Funds Rate from $4.25 \%$ to $3.00 \%$ in January 2008, the yield curve has continued to steepen. As such, the District is beginning to experience the benefits associated with the structure of its 2006 Swap Agreement. For example, during the time period of January 31 through February 6, 2008, the 2006 Swap Agreement produced a basis benefit of $0.49 \%$.
$\square$ On December 10, 2007, the credit rating of UBS AG ("UBS"), a swap provider for a 2005 Swap Agreement was downgraded by Fitch Ratings from "AA+" to "AA." UBS continues to meet all the swap counterparty parameters outlined in the District's Swap Management Plan.

## Overview Of 2005 Swap Agreements

In order to reduce the District's interest cost as compared to the interest cost on traditional fixed rate bonds, on January 27, 2005, the District entered into swap agreements (the "2005 Swap Agreements") to "synthetically fix" the variable rate of interest on its Variable Rate Unlimited Tax School Building Bonds, Series 2005-A (the "Series 2005-A Bonds").

The 2005 Swap Agreements were structured as a fixed pay, $67.0 \%$ of 1-Month LIBOR interest rate swap with a notional amount of $\$ 46,500,000$ and a final maturity of August 1, 2035.

The District selected Bear Stearns Financial Products Inc. ("BSFP") and UBS AG ("UBS") to serve as the swap counterparties. The graph below summarizes the financing structure utilized.


## Original Financing Plan - Comparison Of Fixed Pay Swap And Traditional Fixed Rate Bonds

The following table presents the District's anticipated Fixed Pay Swap Rate, estimated debt service differential and the interest rate on traditional fixed rate bonds at the time the 2005 Swap Agreements were executed.
\(\left.$$
\begin{array}{|lcc|}\hline \text { Anticipated Fixed Pay Swap Rate And Estimated Debt Service Differential } \\
\hline & \begin{array}{c}\text { Fixed } \\
\text { Pay Swap } \\
\text { Without }\end{array} & \begin{array}{c}\text { Fixed } \\
\text { Pay Swap } \\
\text { With } \\
\text { Reserve }\end{array}
$$ <br>

Reserve\end{array}\right]\)|  | $3.42 \%$ | $3.42 \%$ |
| :--- | :--- | :---: |
| Description | $0.25 \%$ | $0.25 \%$ |
| Actual Fixed Pay Swap Rate (Including Costs Of Issuance) | $0.00 \%$ | $0.35 \%$ |
| Estimated Liquidity \& Remarketing Costs | $3.67 \%$ | $4.02 \%$ |
| Basis Cost Reserve | $4.45 \%$ | $4.45 \%$ |
| Total Anticipated Fixed Pay Swap Rate | $\mathbf{\$ 8 , 2 6 8 , 6 8 9}$ | $\mathbf{\$ 4 , 6 9 0 , 3 4 7}$ |
| Traditional Fixed Rate Bonds |  |  |
| Estimated Debt Service Benefit (30-Years) |  |  |

$\square$ As shown, the District anticipated a Fixed Pay Swap Rate ranging from $3.67 \%$ to $4.02 \%$ over the life of the 2005 Swap Agreements, depending upon the actual level of basis cost incurred. In comparison, the District would have realized an interest rate of approximately $4.45 \%$ by issuing traditional fixed rate bonds. Please note, such rates and the estimated debt service differential are based upon certain assumptions relating to the District's Series 2005-A Bonds, LIBOR rates and liquidity/remarketing costs which may change in the future.

Capital

## Review Of The District's Basis Risk

$\square$ "Basis risk" is the risk that the variable rate payment the District is obligated to make on the Series 2005-A Bonds may exceed the variable rate payment (i.e. $67.0 \%$ of 1-Month LIBOR) received by the District pursuant to the 2005 Swap Agreements.
$\square$ To address the potential basis risk, at the time the 2005 Swap Agreements were originally executed the District was required to establish a $0.35 \%$ basis risk reserve. To the extent this reserve is not needed, such funds will be used to pay debt service on the Series 2005-A Bonds.The following table summarizes the District's basis cost on the 2005 Swap Agreements from inception through December 31, 2007.

| Summary Of District's Basis Cost - February 17, 2005 - December 31, 2007 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Period | INTEREST Due On The Series 2005-A BONDS | INTEREST Received <br> From Swap <br> Providers | $\begin{gathered} \text { Basis } \\ \text { COST/(BENEFIT) } \\ \text { In DoLlars } \\ \hline \end{gathered}$ | Average Basis Cost/(Benefit) Percentage |
| $\begin{array}{\|l} \hline \text { February } 17 \text { - March 31, } 2005 \\ \text { April 1 - June 30, 2005 } \\ \hline \end{array}$ | $\begin{array}{r} \hline \$ 113,689.32 \\ 308,900.14 \\ \hline \end{array}$ | $\begin{array}{r} \hline \$ 100,842.94 \\ 239,213.29 \\ \hline \end{array}$ | $\begin{array}{r} \hline 12,846.38 \\ 69,686.85 \\ \hline \end{array}$ | $\begin{aligned} & \hline 0.23 \% \\ & 0.60 \% \end{aligned}$ |
| July 1 - September 30, 2005 <br> October 1 - December 31, 2005 <br> January 1 - March 31, 2006 <br> April 1 - June 30, 2006 | $286,873.14$ $342,787.82$ $358,929.02$ $415,595.35$ | $\begin{aligned} & 280,829.06 \\ & 325,285.59 \\ & 352,168.62 \\ & 392,668.24 \end{aligned}$ | $\begin{array}{r} \hline 6,044.08 \\ 17,502.23 \\ 6,760.40 \\ 22,927.11 \\ \hline \end{array}$ | $\begin{aligned} & \hline 0.05 \% \\ & 0.15 \% \\ & 0.06 \% \\ & 0.20 \% \end{aligned}$ |
| July 1 - September 30, 2006 <br> October 1 - December 31, 2006 <br> January 1 - March 31, 2007 <br> April 1 - June 30, 2007 | $\begin{aligned} & \hline 421,761.35 \\ & 425,137.40 \\ & 415,518.89 \\ & 441,915.59 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 419,966.44 \\ & 418,597.99 \\ & 408,762.03 \\ & 413,226.26 \end{aligned}$ | $\begin{array}{r} \hline 1,794.91 \\ 6,539.41 \\ 6,756.86 \\ 28,689.33 \end{array}$ | $\begin{aligned} & \hline 0.02 \% \\ & 0.06 \% \\ & 0.06 \% \\ & 0.25 \% \end{aligned}$ |
| July 1 - September 30, 2007 | 438,080.98 | 426,192.19 | 11,888.79 | 0.10\% |
| October 1 - December 31, 2007 | 404,295.21 | 386,507.87 | 17,787.34 | 0.15\% |
| Totals | \$4,373,484.21 | \$4,164,260.52 | \$209,223.69 | 0.16\% |

## Review Of Actual Fixed Pay Swap Rate To Date

$\square$ The table below compares the District's anticipated Fixed Pay Swap Rate at the time the 2005 Swap Agreements were completed with the actual results achieved since inception through December 31, 2007.

| Comparison Of Anticipated And Actual Fixed Pay Swap Rates February 17, 2005 - December 31, 2007 |  |  |  |
| :---: | :---: | :---: | :---: |
| Description | Anticipated Fixed Pay Swap Rate Without Reserve | Anticipated Fixed Pay Swap Rate With Reserve | Actual Fixed Pay Swap Rate |
| Actual Fixed Pay Swap Rate (Including Costs Of Issuance) Liquidity \& Remarketing Costs <br> Basis Cost | $\begin{aligned} & 3.42 \% \\ & 0.25 \% \\ & 0.00 \% \end{aligned}$ | $\begin{aligned} & 3.42 \% \\ & 0.25 \% \\ & 0.35 \% \end{aligned}$ | $\begin{aligned} & 3.42 \% \\ & 0.16 \% \\ & 0.16 \% \end{aligned}$ |
| Total Fixed Pay Swap Rate | 3.67\% | 4.02\% | 3.74\% |
| Traditional Fixed Rate Bonds | 4.45\% | 4.45\% | 4.45\% |

Based upon the District's actual Fixed Pay Swap Rate of $3.74 \%$ and a traditional fixed rate bond cost of $4.45 \%$, the District has realized a debt service savings of $\$ 960,792$ from inception of the 2005 Swap Agreements through December 31, 2007.
$\square$ Although the District has experienced some basis cost, the District's Liquidity and Remarketing costs have been less than projected and the 2005 Swap Agreements have performed within original expectations.

## Market Value Of The 2005 Swap Agreements

The 2005 Swap Agreements are considered assets of the District and as such, retain a market value.It is important to note that future fluctuations in interest rates will affect the market value of the 2005 Swap Agreements, causing the District to have an unrealized gain or loss, much like an investment. However, the District's financing plan for the Series 2005-A Bonds was formulated on the premise that the 2005 Swap Agreements would not be terminated prior to final maturity.$\square$ The market value of the 2005 Swap Agreements as of December 31, 2007 was ( $\$ 1,462,685$ ). In other words, if the District had terminated the 2005 Swap Agreements on December 31, 2007, the District would have made a payment of $\$ 1,462,685$ to the swap counterparties.

## Counterparty Ratings

BSFP is currently rated "Aaa" by Moody's Investors Service and "AAA" by Standard \& Poor"s Ratings Services, while UBS is rated "Aaa," "AA" and "AA" by Moody's Investors Service, Standard \& Poor's Ratings Services and Fitch Ratings, respectively. It is important to note that UBS was downgraded by Fitch Ratings from "AA+" to "AA" on December 10, 2007. Even with such downgrade, UBS continues to meet all the swap counterparty parameters outlined in the District's Swap Management Plan.

## Overview Of 2006 Swap Agreement

Much like the District's 2005 Swap Agreements, on June 29, 2006, the District entered into a swap agreement (the "2006 Swap Agreement") to "synthetically fix" the variable rate of interest on its Variable Rate Unlimited Tax School Building Bonds, Series 2006-B (the "Series 2006-B Bonds") in order to reduce its interest cost as compared to the interest cost on traditional fixed rate bonds.

The 2006 Swap Agreement was structured as a fixed pay, $62.5 \%$ of 10 -Year Constant Maturity Swap ("CMS") with a notional amount of $\$ 30,000,000$ and a final maturity of August 1, 2035. The District selected Bear Stearns Financial Products Inc. ("BSFP") to serve as the swap counterparty. The graph below summarizes the financing structure utilized.


Actual Variable, TaxExempt Rate Plus Support Costs
 (62.5\% Of 10-Year CMS)

## Terms Of 2006 Swap Agreements

Series
2006-B
Bonds

- Final maturity of August 1, 2035.

Due to the relatively flat LIBOR yield curve (i.e. difference between a 1 -year and 10-year rate) that existed at the time the 2006 Swap Agreement was implemented, the 2006 Swap Agreement was structured to allow the District to receive a variable payment based upon a longer term index (i.e. 10-Year CMS/LIBOR).By receiving a variable rate payment based on a longer term index, the District should benefit as the yield curve steepens.
$\square$ During the time period of June 29, 2006 (i.e. the date the 2006 Swap Agreement was priced) and December 31, 2007, the LIBOR yield curve has remained relatively flat as shown by the average LIBOR yield curve in the graph below.

$\square$ The following graph demonstrates the historical relationship between the Securities Industry and Financial Markets Association's ("SIFMA") Municipal Swap Index, a weekly index comprised of tax-exempt variable rate bonds, and $62.5 \%$ of $10-$ Year CMS. As shown below, the relationship between SIFMA and $62.5 \%$ of 10 -Year CMS has been negative since June 29 , 2006, the date the 2006 Swap Agreement was priced. However, since 1985, $62.5 \%$ of $10-$ Year CMS has been greater than SIFMA $78.83 \%$ of the time.


## Original Financing Plan - Comparison Of Fixed Pay Swap And Traditional Fixed Rate Bonds

The following table presents the District's anticipated Fixed Pay Swap Rate, estimated debt service differential and the interest rate on traditional fixed rate bonds at the time the 2006 Swap Agreement was executed.

| Anticipated Fixed Pay Swap Rate And Estimated Debt Service | Differential |  |
| :--- | :---: | :---: |
|  | Without <br> Historical <br> Basis Benefit | With <br> Historical <br> Basis Benefit |
| Description | $4.08 \%$ | $4.08 \%$ |
| Fixed Pay Swap Rate (Including Costs of Issuance) | $0.26 \%$ | $0.26 \%$ |
| Estimated Liquidity \& Remarketing Expenses (A) |  |  |

$\square$ As shown, the District anticipated a Fixed Pay Swap Rate ranging from $3.49 \%$ to $4.34 \%$ over the life of the 2006 Swap Agreement. In comparison, the District would have realized an interest rate of approximately $4.94 \%$ by issuing traditional fixed rate bonds. Please note, such rates and the estimated debt service differential are based upon certain assumptions relating to the District's Series 2006-B Bonds, LIBOR rates and liquidity/remarketing costs which may change in the future.

## Review Of The District's Basis Risk

$\square$ "Basis risk" is the risk that the variable rate payment the District is obligated to make on the Series 2006-B Bonds may exceed the variable rate payment (i.e. $62.5 \%$ of $10-$ Year CMS) received by the District pursuant to the 2006 Swap Agreement.
$\square$ To address the potential basis risk, at the time the 2006 Swap Agreement was originally executed the District was required to establish a $0.70 \%$ basis risk reserve. To the extent this reserve is not needed, such funds will be used to pay debt service on the Series 2006-B Bonds.
$\square$ The following table summarizes the District's basis cost on the 2006 Swap Agreement from inception through December 31, 2007.

| Summary Of District's Basis Cost - July 27, 2006 - December 31, 2007 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Period | InTEREST <br> Due On <br> The Series 2006-B Bonds | INTEREST Received From Swap Provider | $\begin{gathered} \text { BASIS } \\ \text { Cost/(BENEFIT) } \\ \text { In DoLLARS } \\ \hline \end{gathered}$ | Average Basis Cost/(BENEFIT) Percentage |
| July 27 - September 30, 2006 | \$ 192,682.20 | \$ 182,532.69 | \$ 10,149.51 | 0.19\% |
| October 1 - December 31, 2006 | 272,753.41 | 240,048.25 | 32,705.16 | 0.43\% |
| January 1 - March 31, 2007 | 267,928.78 | 242,945.75 | 24,983.03 | 0.34\% |
| April 1 - June 30, 2007 | 283,602.74 | 251,004.00 | 32,598.74 | 0.44\% |
| July 1 - September 30, 2007 | 280,808.21 | 253,046.75 | 27,761.46 | 0.37\% |
| October 1 - December 31, 2007 | 260,482.18 | 232,591.00 | 27,891.18 | 0.37\% |
| Totals | \$1,558,257.52 | \$1,402,168.44 | \$156,089.08 | 0.36\% |

$\square$ Due to several recent economic factors, including the reduction in the Federal Funds Rate from $4.25 \%$ to $3.00 \%$ in January 2008, the yield curve has continued to steepen. As such, the District is beginning to experience the benefits associated with the structure of its 2006 Swap Agreement. For example, during the time period of January 31 through February 6, 2008, the 2006 Swap Agreement produced a basis benefit of $0.49 \%$.

## Review Of Actual Fixed Pay Swap Rate To Date

$\square$ The table below compares the District's anticipated Fixed Pay Swap Rate at the time the 2006 Swap Agreement was completed with the actual results achieved since inception through December 31, 2007.

## Comparison Of Anticipated And Actual Fixed Pay Swap Rates <br> July 27, 2006 - December 31, 2007

| Description | Anticipated Fixed Pay Swap Rate With Historical Basis Benefit | Anticipated Fixed Pay Swap Rate Without Historical Basis Benefit | Actual <br> Fixed Pay <br> Swap Rate |
| :---: | :---: | :---: | :---: |
| Fixed Pay Swap Rate (Including Costs of Issuance) | 4.08\% | 4.08\% | 4.08\% |
| Estimated Liquidity \& Remarketing Expenses (A) | 0.26\% | 0.26\% | 0.16\% |
| Historical Basis Cost/(Benefit) | (0.85\%) ${ }^{(\mathrm{B})}$ | 0.00\% | 0.36\% |
| Total Fixed Pay Swap Rate | 3.49\% | 4.34\% | 4.60\% |
| Traditional Fixed Rate Bonds | 4.94\% | 4.94\% | 4.94\% |
| ${ }^{\text {(A) }}$ Current Liquidity and Remarketing Costs are $0.16 \%$. <br> ${ }^{(B)} 0.85 \%$ had been the average basis benefit for a $62.5 \%$ of 10-Year CMS since 1985. |  |  |  |

$\square$ Based upon the District's actual Fixed Pay Swap Rate of $4.60 \%$ and a traditional fixed rate bond cost of $4.94 \%$, the District has realized a debt service savings of $\$ 139,833$ from inception of the 2006 Swap Agreement through December 31, 2007.
$\square$ Although the District has experienced basis cost, the District's Liquidity and Remarketing costs have been less than projected and the 2006 Swap Agreement has performed better than traditional fixed rate bonds.

## Market Value Of The 2006 Swap Agreement

$\square$ Just like the 2005 Swap Agreements, the 2006 Swap Agreement is considered an asset of the District and as such, retains a market value.
$\square$ It is important to note that future fluctuations in interest rates and the steepness of the yield curve will affect the market value of the 2006 Swap Agreement, causing the District to have an unrealized gain or loss. However, the District's financing plan for the Series 2006-B Bonds was formulated on the premise that the 2006 Swap Agreement would not be terminated prior to final maturity.
$\square$ As of December 31, 2007, the market value of the 2006 Swap Agreement was ( $\$ 2,776,734$ ). In other words, if the District had terminated the 2006 Swap Agreement on December 31, 2007, the District would have made a payment of $\$ 2,776,734$ to the swap counterparty.

## Counterparty Ratings

The credit ratings of the swap counterparty remain unchanged as BSFP is rated "Aaa" by Moody's Investors Service and "AAA" by Standard \& Poor's Ratings Services.