## For Discussion Purposes Only



# Review of Bond Capacity 2007 Bond Program 

Tuesday, July 27, 2010

## Current Market Review - Interest Rates



Based upon a $\$ 116.745$ million bond sale amortized over 30 -years, an interest rate difference of $0.25 \%$ changes the District's interest cost by approximately $\$ 10,275,000$.

## Current Market Review - Yield Curve



Representative Texas School District Yield Curve Movement - PSF Guaranteed Bonds July 23, 2009 to July 23, 2010 (Last 12 Months)


## Review of the District's 2007 Bond Program

## Election Results and Status of Bond Sales

- On November 6, 2007, the voters of the District approved the issuance of $\$ 282,000,000$ of bonds. The actual results from the bond election (the " 2007 Bond Program") are summarized within the table below.

$$
\text { Bond Election Results - } 2007 \text { Bond Program }
$$

| Purpose | Dollar Amount | Votes For | Votes Against | Approval Rate |
| :--- | :---: | :---: | :---: | :---: |
| Construction, Renovation, Acquisition And <br> Equipment Of School Buildings In The District, <br> The Purchase Of Necessary Sites For School <br> Buildings And The Purchase Of New School Buses | $\$ 282,000,000$ | 4,002 | 2,759 | $59.19 \%$ |

- In January 2008, the District completed the initial bond sale from the 2007 Bond Program and has $\$ 116,745,000$ of remaining bonds to be sold.


## Bond Sales Completed - 2007 Bond Program

| Series | Sale Date | Dollar <br> Amount | Interest Rate | Dollar <br> Amount <br> Remaining |
| :--- | :---: | :---: | :---: | :---: |
| Unlimited Tax School Building Bonds, Series 2008 | $01 / 17 / 08$ | $\$ 165,255,000$ | $4.11 \%$ | $\$ 116,745,000$ |

## Historical Tax Rates



## Historical Taxes For $\$ 177,564$ Average Homeowner



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## Existing Bonds - Debt Service by Series



Note: Debt service payments reflect payments from September 1 through August 31.
As of August 15, 2010, the District will have an existing principal amount of bonds equal to $\$ 610,963,527$.

## Existing Debt Portfolio - Projected I\&S Tax Rates Required to Repay Existing Bonds



## Factors Affecting District's Bond Capacity

I. Debt Limitations - State Law - Overview of "50.0 Cent Bond Test"

■ "50.0 Cent Bond Test" - The District may only issue new bonds to the degree it can prove, prior to sale, its I\&S tax rate (the portion of the District's tax rate solely used to repay bonds) will not exceed 50.0 cents.


## Factors Affecting District's Bond Capacity (Continued)

## Listing of Texas School District's with an Interest \& Sinking Fund Tax Rate of 40.0 Cents or More for Year 2009/10

## - Allen ISD (50.00 Cents)

- Anna ISD (50.00 Cents)
- Aubrey ISD (50.00 Cents)
- Bland ISD (50.00 Cents)

■ Burleson ISD (50.00 Cents)

- Celina ISD (50.00 Cents)
- Lake Worth ISD (50.00 Cents)
- Little Elm ISD (50.00 Cents)

■ McKinney ISD (50.00 Cents)

- Melissa ISD (50.00 Cents)

■ Spring Hill ISD (50.00 Cents)

- White Settlement ISD (50.00 Cents)
- Crowley ISD (49.50 Cents)

■ Millsap ISD (49.50 Cents)

- Prosper ISD (49.00 Cents)

■ Bishop Consolidated ISD (48.71 Cents)
■ Lake Dallas ISD (48.00 Cents)
■ Royal ISD (47.95 Cents)
■ Floresville ISD (47.58 Cents)
■ Bloomington ISD (47.50 Cents)
■ Lovejoy ISD (47.50 Cents)

- Manor ISD (47.50 Cents)

■ Caddo Mills ISD (47.10 Cents)

- Eagle Mountain-Saginaw ISD (47.00 Cents)
- Ennis ISD (47.00 Cents)
- Dickinson ISD (46.40 Cents)
- Jacksboro ISD (46.00 Cents)
- Lampasas ISD (46.00 Cents)
- Panhandle ISD (46.00 Cents)

■ Lubbock-Cooper ISD (45.90 Cents)

- Frenship ISD (45.87 Cents)

■ Community ISD (45.50 Cents)
■ Denton ISD (45.00 Cents)

- DeSoto ISD (45.00 Cents)
- Dripping Springs ISD (45.00 Cents)
- Princeton ISD (45.00 Cents)
- Shepherd ISD (45.00 Cents)
- Taylor ISD (45.00 Cents)
- Keller ISD (44.63 Cents)
- Hutto ISD (44.50 Cents)
- Needville ISD (44.40 Cents)
- Bastrop ISD (44.10 Cents)
- Del Valle ISD (44.00 Cents)
- New Caney ISD (44.00 Cents)

■ Robert Lee ISD (44.00 Cents)

- Crandall ISD (43.86 Cents)
- Canton ISD (43.10 Cents)
- Bullard ISD (43.00 Cents)
- High Island ISD (43.00 Cents)

■ Huffman ISD (43.00 Cents)

- Rockwall ISD (43.00 Cents)
- Grand Prairie ISD (42.50 Cents)

■ Judson ISD (42.30 Cents)
■ Hays Consolidated ISD (42.13 Cents)

- Forney ISD (42.00 Cents)

■ Pflugerville ISD (42.00 Cents)
■ Spring ISD (42.00 Cents)

- Wylie ISD (42.00 Cents)
- Tioga ISD (41.92 Cents)
- Franklin ISD (41.80 Cents)
- Angleton ISD (41.52 Cents)
- Port Neches-Groves ISD (41.50 Cents)

■ Elgin ISD (41.00 Cents)

- Giddings ISD (41.00 Cents)
- Mansfield ISD (41.00 Cents)

■ Irving ISD (40.50 Cents)
■ Hitchcock ISD (40.01 Cents)

- Katy ISD (40.00 Cents)
- Krum ISD (40.00 Cents)

■ Overton ISD (40.00 Cents)

- Sherman ISD (40.00 Cents)

■ Van Alstyne ISD (40.00 Cents)

- Waller ISD (40.00 Cents)

Source: Texas Comptroller of Public Accounts - Property Tax Division

## Factors Affecting District's Bond Capacity (Continued)

II. Taxable Assessed Valuation

- The value of the District's tax base directly impacts the dollar amount of bonds that may be issued for capital improvements, as this determines the annual revenues generated from the District's I $\& S$ tax rate for the repayment of bonds.
- The District's taxable assessed valuation (net of frozen values) is currently $\$ 8,610,855,186$.
* Since approval of the 2007 Bond Program, the District's tax base has only increased $\$ 329,444,041$ or $4 \%$; and
* The District's tax base declined by \$149,709,436 in year 2010/11 and taxable values for year 2011/12 and thereafter remain uncertain.



## Factors Affecting District's Bond Capacity (Continued)

III. Dollar Amount and Structure of District's Existing Bonds

- The District's outstanding bonds are currently repaid over 28 -years. Pursuant to State law, the maximum amortization period of any District bond sale is 40 years.
IV. State Funding Received for Payment of Bonds
- Due to the District's existing "Wealth Per Student" the District no longer qualifies for any State funding assistance for the repayment of bonds.
V. Interest Rate on District's Existing and Future Bonds


## Percent Change of Factors Affecting Debt Capacity Years 1999/00 Through 2010/11

## Denton Independent School District -

Years 1999/00 Through 2010/11 - Percentage Change In Student Enrollment,
Principal Amount Of Bonds, Taxable Assessed Valuation, State Funding Assistance For Bonds And Interest \& Sinking Fund Tax Rate


Year 1999/00 Through 2010/11

| $\square$ Student Enrollment | $\square$ Principal Amount Of Bonds |
| :--- | :--- |
| $\square$ Taxable Assessed Valuation | $\square$ State Funding Assistance For Bonds |
| $\square$ Interest \& Sinking Fund Tax Rate |  |

[^1]
## Preliminary Bond Capacity Analysis

The remainder of this Preliminary Bond Capacity Analysis is based upon the assumptions detailed herein. To the extent the District's actual results differ from the assumptions herein, the financial impact to the District will correspondingly change.

## Scenarios Presented

- Scenario 1: Traditional Amortization - Maximum Dollar Amount Of Bonds That May Be Issued In September 2010 And Maintain An I\&S Tax Rate Of 50.0 Cents - 30-Year Amortization; and
- Scenario 2: Issue $\$ 116.745$ Million Of Bonds In September 2010.


## Preliminary Bond Capacity Analysis（Continued）



| Fiscal Year |  | 2005／06 | 2006／07 | 2007／08 | 2008／09 | 2009／10 | 2010／11 | $\begin{gathered} \text { Average Annual } \\ \text { Increase - Years } \\ 2006 / 07-2010 / 11 \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Taxable Assessed Valuation Dollar Change |  | $\$ 6,276,405,263$ <br> ーーー | $\begin{gathered} \$ 7,234,248,721 \\ \$ 957,843,458 \end{gathered}$ | $\begin{aligned} & \$ 8,281,411,145 \\ & \$ 1,047,162,424 \end{aligned}$ | $\begin{gathered} \$ 8,647,335,354 \\ \$ 365,924,209 \end{gathered}$ | $\begin{gathered} \$ 8,760,564,622 \\ \$ 113,229,268 \end{gathered}$ | $\begin{aligned} & \$ 8,610,855,186 \\ & (\$ 149,709,436) \end{aligned}$ | $\$ 466,889,985$ |
| Fiscal Year |  |  | 2011／12 | 2012／13 | 2013／14 |  Average Annual <br> Increase－Years  <br> $2014 / 15$ $2011 / 12-2014 / 15$ |  |  |
|  | Taxable Dollar Ch | sessed Valuation nge | $\begin{gathered} \$ 8,610,855,186 \\ \$--- \end{gathered}$ | $\begin{aligned} & \$ 8,735,855,186 \\ & \$ 125,000,000 \end{aligned}$ | $\begin{aligned} & \$ 8,985,855,186 \\ & \$ 250,000,000 \end{aligned}$ | $\begin{aligned} & \$ 9,235,855,186 \\ & \$ 250,000,000 \end{aligned}$ | $\$ 156,250,000$ |  |

[^2]
## Preliminary Bond Capacity Analysis (Continued)



## Preliminary Bond Capacity Analysis (Continued)



## Current Opportunity - <br> Refund Existing Bonds at Lower Interest Rate

$\square$ Refund a portion of the District's existing bonds at a lower interest rate to provide savings and reduce the District's annual bond payments. This refunding exceeds the established savings targets within the District's Debt Management Policy.
$\square$ Based upon current market conditions, the table below summarizes the savings available to the District.

| Summary of Savings Available |  |  |  |  |  |
| :--- | ---: | ---: | :---: | :---: | :---: |
|  | Level Annual <br> Savings <br> Over Next | Upfront <br> Savings <br> In Year |  |  |  |
| Description | $10-$ Years | $2011 / 12$ |  |  |  |
| Principal Amount of the Bonds to be Refunded | $\$ 24,940,000$ | $\$ 24,940,000$ |  |  |  |
| Interest Rate on the Bonds to be Refunded | $5.09 \%$ | $5.09 \%$ |  |  |  |
| Interest Rate on the Refunding Bonds | $2.37 \%$ | $2.40 \%$ |  |  |  |
| Escrow Yield | $1.81 \%$ | $1.81 \%$ |  |  |  |
| Total Debt Service Savings | $\$ 1,955,485$ | $\$ 1,715,335$ |  |  |  |
| Average Annual Savings | 195,549 | $1,699,449$ |  |  |  |
| Present Value Debt Service Savings | $1,701,542$ | $1,651,850$ |  |  |  |
| Present Value Savings as a Percentage of the Principal Amount of |  |  |  |  |  |
| the Bonds to be Refunded | $6.82 \%$ | $\mathbf{6 . 6 2 \%}$ |  |  |  |
| Opportunity Cost of Advance Refunding - "Negative Arbitrage" | $\$ 279,749$ | $\$ 294,810$ |  |  |  |

$\square$ Note: The District currently generates approximately $\$ 840,161$ for each penny on its I\&S tax rate.

## Refund Existing Bonds at Lower Interest Rate (Continued)

- The following table summarizes the District's existing bonds to be refunded.

| Summary of Bonds to be Refunded |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Issue Outstanding | Principal Amount To Be Refunded | Maturities <br> To Be Refunded | Interest Rate | Redemption Date | Redemption Price |
| Unlimited Tax School Building and Refunding Bonds, Series 1998 | \$ 490,000 | $\begin{gathered} 08 / 15 / 2014-18 \\ 2021 \end{gathered}$ | 5.17\% | 12/17/10 | 100.0\% |
| Unlimited Tax School Building and Refunding Bonds, Series 1999 | 1,535,000 | $\begin{gathered} 08 / 15 / 2011-17 \\ 2019,2021 \end{gathered}$ | 5.21\% | 12/17/10 | 100.0\% |
| Unlimited Tax School Building and Refunding Bonds, Series 2001 | 7,240,000 | 02/15/2012-15 | 5.50\% | 02/15/11 | 100.0\% |
| Unlimited Tax School Building and Refunding Bonds, Series 2004 | 15,675,000 | 08/15/2016-21 | 5.00\% | 08/15/14 | 100.0\% |
| Totals: | \$24,940,000 | --- | 5.09\% | --- | --- |

## Parameters Order - Approval Process for Refunding for Savings

- Pursuant to Chapter 1207 of the Texas Government Code, as amended, the District's Board of Trustees has previously designated the ability to approve the issuance of the Refunding Bonds to the District's Administration, so long as the issuance of the bonds met certain parameters approved by the Board of Trustees.
- The use of a so-called "Parameters Sale" may provide the District with additional flexibility to time the sale of the Refunding Bonds to lock-in the savings during favorable market conditions.
- Pursuant to a Bond Order to be approved by the District's Board of Trustees, the following is a representative listing of the parameters that could be used for the District's Refunding Program.

1) The District achieves at least $\$ 1,000,000$ of savings;
2) A maximum of $\$ 24,940,000$ (principal amount) of Refunding Bonds may be issued;
3) The interest rate (Federal arbitrage yield) on the Refunding Bonds cannot exceed 3.00\%;
4) The final maturity of the Refunding Bonds may not exceed August 15, 2021; and
5) The refunding program is completed prior to February 28, 2011.
[. Unless the parameters detailed above are achieved, the Refunding Bonds would not be issued unless additional direction was received from the District.

## Preliminary Timetable



## Preliminary Timetable

| Date* | Action Necessary |
| :---: | :--- |
| August 24, 2010 | Board Meeting - Discuss Refunding Program and consider "Parameters Order" <br> authorizing issuance of Refunding Bonds pursuant to specified parameters. |
| September 30, 2010 | Completion of all actions necessary to complete the Refunding Program. |
| TBD | Pricing - Negotiated sale of the Refunding Bonds within the specified parameters - <br> Savings locked-in at this time. |
| 1-Business Day <br> After Pricing | The District's Administration approves sale of Refunding Bonds. |
| On or Prior to <br> February 28, 2011 | Closing - The Refunding Program is completed and the Bonds to be Refunded are no <br> longer outstanding. |

[^3]
[^0]:    (A) Taxes are net of the State mandated $\$ 15,000$ Residential Homestead Exemption.

[^1]:    (A) In year 1999/00, the District received $\$ 1,801,672$ of State funding assistance for the repayment of bonds and $\$ 0$ in year $2010 / 11$.

    Source: District's Official Statements and Municipal Advisory Council of Texas.

[^2]:    Source：Denton Central Appraisal District

[^3]:    * Preliminary, subject to change.

