For Discussion Purposes Only


Review of Existing Debt Portfolio And Bond Capacity - 2007 Bond Program

Tuesday, September 13, 2011

## Review of the District's 2007 Bond Program

- 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.


## Bond Election Results - 2007 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 $\$ 116,745,000$ of bonds remain to be sold.

$\left.$| Bond Sales Completed - 2007 Bond Program |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| Series | Sale Date | Dollar <br> Amount | Dollar |  |
| Interest Rate |  |  |  |  | | Amount |
| :---: |
| Remaining | \right\rvert\,

## Factors Affecting District's Bond Capacity/Tax Rate

I. Debt Limitations - State Law - "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 Interest \& Sinking Fund ("I\&S") tax rate will not exceed 50.0 cents.


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## Factors Affecting District's Bond Capacity/Tax Rate

## Listing of Texas School District's with an I\&S Tax Rate of 40.0 Cents or More - Year 2010/11

| $\square$ Royal ISD (59.00 Cents) | $\square$ Denton ISD (49.00 Cents) | - Canton ISD (43.10 Cents) |
| :---: | :---: | :---: |
| $\square$ Bishop Consolidated ISD (52.38 Cents) | ■ McKinney ISD (48.80 Cents) | - Huffman ISD (43.00 Cents) |
| $\square$ Joaquin ISD (51.80 Cents) | - Needville ISD (48.00 Cents) | - Rockwall ISD (43.00 Cents) |
| $\square$ Allen ISD (50.00 Cents) | - Floresville ISD (47.58 Cents) | - Taylor ISD (43.00 Cents) |
| $\square$ Anna ISD (50.00 Cents) | - Bloomington ISD (47.50 Cents) | - Commerce ISD (42.51 Cents) |
| $\square$ Aubrey ISD (50.00 Cents) | ■ Lovejoy ISD (47.50 Cents) | - Grand Prairie ISD (42.50 Cents) |
| $\square$ Blue Ridge ISD (50.00 Cents) | - Manor ISD (47.50 Cents) | ■ Irving ISD (42.50 Cents) |
| - Burleson ISD (50.00 Cents) | ■ Longview ISD (47.30 Cents) | - Judson ISD (42.30 Cents) |
| $\square$ Caddo Mills ISD (50.00 Cents) | ■ Wylie ISD (47.00 Cents) | - Hays Consolidated ISD (42.13 Cents) |
| $\square$ Celina ISD (50.00 Cents) | - Forney ISD (46.00 Cents) | - Pflugerville ISD (42.00 Cents) |
| $\square$ Dickinson ISD (50.00 Cents) | - Frenship ISD (46.00 Cents) | - Spring ISD (42.00 Cents) |
| - Eagle Mountain-Saginaw ISD (50.00 Cents) | - Hitchcock ISD (46.00 Cents) | - Franklin ISD (41.80 Cents) |
| $\square$ Elgin ISD (50.00 Cents) | - Jacksboro ISD (46.00 Cents) | - Angleton ISD (41.52 Cents) |
| - Ennis ISD (50.00 Cents) | - Hubbard ISD (45.99 Cents) | - Lindale ISD (41.50 Cents) |
| L Lake Dallas ISD (50.00 Cents) | - Lubbock-Cooper ISD (45.90 Cents) | - South San Antonio ISD (41.49 Cents) |
| $\square$ Lake Worth ISD (50.00 Cents) | - Mansfield ISD (45.60 Cents) | - Leander ISD (41.48 Cents) |
| $\square$ Little Elm ISD (50.00 Cents) | ■ Community ISD (45.50 Cents) | - Central Heights ISD (41.00 Cents) |
| $\square$ Melissa ISD (50.00 Cents) | - Crandall ISD (45.36 Cents) | - Giddings ISD (41.00 Cents) |
| - New Caney ISD (50.00 Cents) | - DeSoto ISD (45.00 Cents) | - Gunter ISD (41.00 Cents) |
| $\square$ Prosper ISD (50.00 Cents) | - Dripping Springs ISD (45.00 Cents) | - San Diego ISD (40.49 Cents) |
| $\square$ Spring Hill ISD (50.00 Cents) | - Princeton ISD (45.00 Cents) | - Iola ISD (40.34 Cents) |
| $\square$ White Settlement ISD (50.00 Cents) | - Bastrop ISD (44.10 Cents) | - Argyle ISD (40.00 Cents) |
| - Crowley ISD (49.50 Cents) | - Krum ISD (44.00 Cents) | - Cedar Hill ISD (40.00 Cents) |
| - Hutto ISD (49.50 Cents) | - Overton ISD (44.00 Cents) | - Katy ISD (40.00 Cents) |
| - Millsap ISD (49.50 Cents) | - Panhandle ISD (44.00 Cents) | - Sherman ISD (40.00 Cents) |
| - Keller ISD (49.06 Cents) | - Robert Lee ISD (44.00 Cents) | - Van Alstyne ISD (40.00 Cents) |
| - Bland ISD (49.00 Cents) | - Harlandale ISD (43.48 Cents) | - Waller ISD (40.00 Cents) |
| - Del Valle ISD (49.00 Cents) | - Banquete ISD (43.34 Cents) |  |

Note: Districts highlighted in "yellow" are located within the Dallas/Fort Worth Metroplex.
Source: Texas Comptroller of Public Accounts - Property Tax Division.

## Factors Affecting District's Bond Capacity/Tax Rate

## II. Taxable Assessed Valuation

- The value of the District's tax base directly impact 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 $\$ 8,827,685,529$.
* Over the last 5-years, the District's tax base has increased by an average of $\$ 318,687,362$ per year.
* However, due to economic conditions and other factors, the District's tax base has only increased by an average of $\$ 60,116,725$ over the last 3-years, which is $94.3 \%$ less than the District's tax base growth in year 2007/08.



## Factors Affecting District's Bond Capacity/Tax Rate

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

- The District's outstanding bonds are currently repaid over 27-years. Pursuant to State law, the maximum repayment period is 40 -years.
IV. State Funding Received or Pledged for Payment of Bonds
- Due to the District's existing "Wealth Per Student" the District does not qualify for any State funding assistance for the repayment of bonds.
V. Interest Rate on District's Existing Bonds and Credit Ratings
- The District's current credit ratings are:
* "AA" - Fitch Ratings;
* "Aa3" - Moody's Investors Service; and
* "AA" - Standard and Poor's Ratings Services.
VI. Interest \& Sinking Fund Reserves
- The District's I\&S Fund Balance available for bond payments is anticipated to be approximately $\$ 11.4$ million as of August 31, 2011.


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## Historical Tax Rates



## Historical Taxes - \$163,564 Average Taxable Home Value



$\square$ Unlimited Tax Refunding Bonds, Series 1993
$\square$ Unlimited Tax School Building \& Refunding Bonds, Series 2001
$\square$ Unlimited Tax School Building \& Refunding Bonds, Series 2004
$\square$ Unlimited Tax School Building \& Refunding Bonds, Series 2005-B $\square$ Unlimited Tax Refunding Bonds, Series 2006
$\square$ Variable Rate Unlimited Tax School Building Bonds, Series 2006-B $\square$ Unlimited Tax School Building Bonds, Series 2008
$\square$ Unlimited Tax Refunding Bonds, Series 2011
$\square$ Unlimited Tax School Building \& Refunding Bonds, Series 1998
$\square$ Unlimited Tax School Building \& Refunding Bonds, Series 2002
$\square$ Variable Rate Unlimited Tax School Building Bonds, Series 2005-A $\square$ Unlimited Tax Refunding Bonds, Series 2005-C
$\square$ Unlimited Tax School Building Bonds, Series 2006-A
$\square$ Unlimited Tax School Building Bonds, Series 2007
$\square$ Unlimited Tax Refunding Bonds, Series 2009

Note: Debt service payments reflect payments from September 1 through August 31
The District has a total principal amount of existing bonds equal to $\$ 592,214,142$ and interest cost of $\$ 508,592,140$ - An "Interest/Principal ratio" of 0.86 to 1.

## Existing Bonds - Composition of Debt Portfolio



## Current Market Review - Interest Rates



## Current Market Review - Interest Rate Curve



## Overview of Variable Interest Rate Bonds

[. Variable rate bonds are long-term bonds (i.e. 30-40 years), but the interest rate is reset based upon prevailing market conditions on an annual, 2 -year, 3 -year, etc. basis.

- Variable rate bonds:
- Have historically provided a lower interest rate than fixed rate bonds; and
- May be prepaid prior to scheduled maturity, without penalty, providing the District with the flexibility to manage their annual bond payments as its taxable values and capital needs change in the future.
- Variable rate bonds may also be converted to a "fixed rate" in the future, providing the District with the opportunity to "fix" the long-term interest rate on the bonds when fixed rates are attractive.



## Overview of Variable Interest Rate Bonds (Continued)

Current Interest Rate Curve - As Of September 2, 2011


## Overview of Variable Interest Rate Bonds (Continued)

$\square$ The following summarizes a few of the Texas school districts that have previously utilized variable rate bonds.

## Representative Listing of Texas School Districts Utilizing Variable Rate Bonds

| - Aledo ISD | - Dickinson ISD | - Lubbock ISD | - Richardson ISD |
| :---: | :---: | :---: | :---: |
| - Alvin ISD | - El Paso ISD | - Mansfield ISD | - Rockwall ISD |
| - Beaumont ISD | - Fort Bend ISD | - Manor ISD | - San Angelo ISD |
| - Canutillo ISD | - Garland ISD | - Mesquite ISD | - Sherman ISD |
| - Carroll ISD | - Grand Prairie ISD | - Midland ISD | - Spring ISD |
| - Clear Creek ISD | ■ Grapevine-Colleyville ISD | - Midway ISD | - Spring Branch ISD |
| - Conroe ISD | - Houston ISD | - Northside ISD | - Tomball ISD |
| - Cypress-Fairbanks ISD | - Irving ISD | - Pasadena ISD | - Tyler ISD |
| $\square$ Denton ISD | - Katy ISD | - Plano ISD | - Weatherford ISD |

$\square$ The following provides the actual interest rates of recent variable rate bonds issued by Texas school districts during year 2011.

Summary of Recent Variable Rate Put Bond Financings by Texas School Districts

| School District | Sale Date | Par Amount | Rate Period | Interest <br> Rate |
| :---: | :---: | :---: | :---: | :---: |
| Midlothian ISD | $09 / 07 / 2011$ | $\$ 50,000,000$ | $09 / 29 / 11-07 / 31 / 14(3-Y e a r s)$ | $1.05 \%$ |
| Eagle Mountain-Saginaw ISD | $06 / 15 / 2011$ | $55,000,000$ | $06 / 30 / 11-07 / 31 / 14$ (3-Years) | $1.40 \%$ |
| Northside ISD | $05 / 23 / 2011$ | $45,825,000$ | $05 / 31 / 11-07 / 31 / 13(2-$ Years $)$ | $0.95 \%$ |
| Northside ISD | $05 / 17 / 2011$ | $84,000,000$ | $05 / 31 / 11-05 / 31 / 14$ (3-Years) | $1.35 \%$ |
| Northside ISD | $02 / 24 / 2011$ | $80,000,000$ | $03 / 08 / 11-07 / 31 / 14$ (3-Years) | $1.90 \%$ |

## Variable Rate Put Bonds - Summary of Estimated Interest Rates and Interest Cost Savings

- Assuming a $\$ 45.0$ million Variable Rate Put Bond with a 30 -year repayment period, the following is a comparison of current variable and fixed rates of interest.

Comparison of Estimated Interest Rates and Interest Costs - \$45.0 Million Bond Sale

| Interest Rate Mode | Current Rates <br> (Included <br> Estimated <br> Costs) | Average Annual Interest Cost Current Rates | Total <br> Interest Cost - <br> Current Rates | Total <br> Interest Cost Assuming Variable Rate Of 3.00\% |
| :---: | :---: | :---: | :---: | :---: |
| Variable Rate Put Bond - 1-Year Term | 0.90\% | \$ 361,898 | \$10,856,925 | \$36,374,700 |
| Variable Rate Put Bond - 3-Year Term | 1.25\% | 503,058 | 15,091,750 | 36,374,700 |
| Fixed Rate Bond | 4.65\% | 1,896,789 | 56,903,661 | --- |

$\square$ If a Variable Rate Put Bond with a 3 -year term was used for a $\$ 45.0$ million bond sale, the District would lock-in approximately $\$ 4,250,000$ of savings over the next 3-years in comparison to a fixed rate bond sale.

## 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: 30-Year Repayment - Recommended Maximum Dollar Amount Of Bonds That May Prudently Be Issued In Year 2011 With A Variable Rate Structure And Maintain An I\&S Tax Rate Of 49.0 Cents - 30-Year Amortization; and
- Scenario 2: Issuance Of Remaining \$116.745 Million Of Bonds In Year 2011.


## Historical and Assumed Taxable Assessed Valuations



| Fiscal Year | 2006/07 | 2007/08 | 2008/09 | 2009/10 | 2010/11 | 2011/12 | Average Annual Increase - Years 2006/07-2011/12 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Taxable Assessed Valuation | \$7,234,248,721 | \$8,281,411,145 | \$8,647,335,354 | \$8,760,564,622 | \$8,610,855,186 | \$8,827,685,529 | --- |
| Dollar Change | --- | \$1,047,162,424 | \$365,924,209 | \$113,229,268 | (\$149,709,436) | \$216,830,343 | \$318,687,362 |


|  |  |  |  | Average Annual <br> Increase - Years <br> Fiscal Year |
| :--- | :---: | :---: | :---: | :---: |
| Taxable Assessed Valuation | $\mathbf{\$ 8 , 9 2 7 , 6 8 5 , 5 2 9}$ | $\$ 9,127,685,529$ | $\$ 9,427,685,529$ | $2013-2014 / 15$ |
| Dollar Change | $\$ 100,000,000$ | $\$ 200,000,000$ | $\$ 300,000,000$ | $\$ 200,000,000$ |

Source: Denton Central Appraisal District.

## Preliminary Bond Capacity Analysis (Continued)



## Preliminary Bond Capacity Analysis (Continued)



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[^0]:    Source: Texas Comptroller of Public Accounts - Property Tax Division.

[^1]:    (A) In year 2000/01, the District received $\$ 2,891,554$ of State funding assistance for the repayment of bonds and $\$ 0$ in year 2010/11. Over a 30year period, this equals a reduction of $\$ 86.7$ million of State funding assistance for the repayment of bonds.
    Source: District's Official Statements and Municipal Advisory Council of Texas.

