

Review of Preliminary Financing Plan for Initial \$156.0 Million Bond Sale from 2013 Bond Program

Tuesday, February 25, 2014

## Texas School District Bond Elections Summary of November 5, 2013 Results

$\square$ There were $\$ 3.4$ billion of Texas school district bond elections on November 5, 2013. Denton Independent School District's (the "District") successful bond election was the $3^{\text {rd }}$ largest approved by voters. The results are shown below.

Texas School District Bond Election Results November 2013 - By Dollar Amount of Election

Texas School District Bond Election Results November 2013 - By Number of Propositions


## Texas School District Bond Elections Summary of November 5, 2013 Results (Continued)

| Texas School District Bond Election Results - November 5, 2013 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No. | Issuer |  | Election <br> Amount |  | Amount Approved | Amount Failed | Unofficial Votes For | Unofficial Votes Against |
| 1 | Abilene ISD | \$ | 87,680,000 | \$ | 87,680,000 | \$ | 5,163 | 2,188 |
| 2 | Alvin ISD |  | 212,445,000 |  | 212,445,000 | - | 4,351 | 2,083 |
| 3 | Azle ISD |  | 20,000,000 |  | 20,000,000 | - | 1,299 | 803 |
| 4 | Barbers Hill ISD |  | 60,000,000 |  | 60,000,000 | - | 635 | 132 |
| 5 | Blanket ISD |  | 3,700,000 |  | - | 3,700,000 | 59 | 247 |
| 6 | Bluff Dale ISD |  | 4,000,000 |  | - | 4,000,000 | 77 | 206 |
| 7 | Buna ISD |  | 20,000,000 |  | 20,000,000 | - | 351 | 209 |
|  | Calhoun County ISD |  | 65,000,000 |  | 65,000,000 | - | 1,634 | 1,158 |
| 9 | Chapel Hill ISD |  | 31,200,000 |  | - | 31,200,000 | 619 | 1,054 |
| 10 | College Station ISD |  | 83,500,000 |  | 83,500,000 | - | 3,187 | 1,456 |
| 11 | Comal ISD |  | 451,000,000 |  | - | 451,000,000 | 5,115 | 5,952 |
| 12 | Cuero ISD |  | 76,000,000 |  | 76,000,000 | - | 392 | 280 |
| 13 | Denton ISD |  | 312,000,000 |  | 312,000,000 | - | 5,984 | 2,798 |
| 14 | Ezzell ISD |  | 4,129,000 |  | - | 4,129,000 | 68 | 77 |
| 15 | Fort Stockton ISD |  | 35,000,000 |  | 35,000,000 | - | 481 | 301 |
| 16 | Fort Worth ISD |  |  |  |  |  |  |  |
|  | Prop 1 - School Buildings \& Tech. |  | 386,555,000 |  | 386,555,000 | - | 16,561 | 6,244 |
|  | Prop 2 - Specialty Schools |  | 73,305,000 |  | 73,305,000 | - | 16,397 | 6,332 |
|  | Prop 3-School Buses \& Equipment |  | 30,000,000 |  | 30,000,000 | - | 16,359 | 6,310 |
| 17 | Gatesville ISD |  | 17,900,000 |  | 17,900,000 | - | 1,129 | 342 |
| 18 | Gilmer ISD |  |  |  |  |  |  |  |
|  | Prop 1 - New High School |  | 30,690,000 |  | - | 30,690,000 | 978 | 1,464 |
|  | Prop 2 - Junior High Renovations |  | 3,365,000 |  | - | 3,365,000 | 1,051 | 1,392 |
|  | Prop 3 - Multipurpose Facility |  | 2,155,000 |  | - | 2,155,000 | 741 | 1,696 |
| 19 | Glasscock County ISD |  | 20,000,000 |  | 20,000,000 | - | 213 | 112 |
| 20 | Gonzales ISD |  |  |  |  |  |  |  |
|  | Prop 1-School Buildings \& Tech. |  | 21,585,000 |  | 21,585,000 | - | 694 | 280 |
|  | Prop 2 - School Buses |  | 3,400,000 |  | 3,400,000 | - | 691 | 266 |
| 21 | Graford ISD |  | 7,500,000 |  | 7,500,000 | - | 223 | 169 |
| 22 | Granbury ISD |  |  |  |  |  |  |  |
|  | Prop 1 - School Buildings \& Tech. |  | 81,972,000 |  | 81,972,000 | - | 3,733 | 2,838 |
|  | Prop 2 - Maintenance Tax Refunding |  | 3,003,000 |  | 3,003,000 | - | 3,905 | 2,613 |
| 23 | Halletts ville ISD |  | 10,500,000 |  | - | 10,500,000 | 370 | 440 |
| 24 | Halls burg ISD |  | 2,363,500 |  | 2,363,500 | - | 121 | 83 |
| 25 | Ira ISD |  | 12,200,000 |  | 12,200,000 | - | 76 | 49 |
| 26 | Jacks onville ISD |  | 22,785,000 |  | 22,785,000 | - | 831 | 782 |
| 27 | Jim Ned Cons olidated ISD |  | 20,000,000 |  | - | 20,000,000 | 637 | 1,094 |

## Texas School District Bond Elections Summary of November 5, 2013 Results (Continued)



## Goals of Financing Plan

- Comply with the "50-Cent Debt Test" and meet the school facility needs of the District's growing student enrollment and the expectations of taxpayers;
$\square$ Do not use costly Capital Appreciation Bonds ("CABs");
- Maintain bond repayment period of 30-years;
$\square$ Minimize the District's total interest cost within approved Debt Management strategies;
- Maximize the District's future bond capacity for capital improvements; and
$\square$ Provide flexibility to repay outstanding bonds prior to scheduled maturity, as taxable values increase in the future.
- Incorporating debt management flexibility within the District's bond portfolio is vital as the District is committing to future payments and the factors impacting the District's future bond capacity and I\&S tax rate are contingent upon continued growth of the District's tax base, interest rates, etc.


## Factors Affecting District's Bond Capacity

## I. Taxable Assessed Valuation

- The value of the District's tax base is the primary factor impacting the District's current and future bond capacity.
* The financing plan for 2013 Bond Program assumes District's taxable assessed valuation will increase by $\$ 300$ million per year in each of the next 5 -years and remain constant thereafter.
* Only 5-years of taxable assessed valuation growth is assumed for the 2013 Bond Program to allow future growth to fund the cost of future school district capital improvements.

Historical Increase/Decrease in Taxable Assessed Valuations - Years 2006/07 - 2013/14


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

II. Interest Rate on the Bonds

The Bond Buyer 20-Bond Index - A Tax-Exempt General Obligation Bond Yield Index January 1, 2000 To The Present


For a $\$ 156.0$ million bond sale, a $0.25 \%$ interest rate difference increases/decreases the District's borrowing cost by approximately $\$ 8,350,000$.

## Current Market Review - Interest Rates by Maturity Date

Comparison of Tax-Exempt "MMD" Interest Rates - Yield Curves


## Current Market Review - Variable Rates of Interest

- Over the last 13-years variable rates have averaged 1.64\% (not including support costs) and fixed rates have averaged $4.63 \%$. Currently, the difference between short-term and long-term rates remains historically wide, making it attractive to use variable rate bonds.


8

## Current Municipal Interest Rate Curve and Variable Rate Put Bond Interest Rates

$\square$ At this time, a $\$ 70.0$ million Variable Rate Put Bond sale with a 30 -year stated maturity that utilizes an initial 5year interest rate term would lock-in approximately $\$ 6,750,000$ of savings (average savings of $\$ 1,350,000$ per year) in comparison to a fixed rate bond sale. The District also retains flexibility to "fix" the interest rate when market conditions are favorable.


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

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


Note: Debt service payments reflect payments from September 1 through August 31.
The District has a total principal amount of existing bonds equal to $\$ 631,577,937$.

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

IV. Bond Credit Ratings

- The District's current bond ratings are:
* "AA" - Fitch Ratings; and
* "AA" - Standard and Poor's Ratings Services.
- As done with previous bond programs, we recommend that the District conduct formal, "face-to-face" meetings within the rating agencies at the District's Administration office.
V. Interest \& Sinking Fund Reserves
- The District's I\&S Fund balance was approximately $\$ 11,250,000$ as of August 31, 2013.


## Variable Rate Bond Capacity

$\square$ Pursuant to the District's Debt Management Policy, variable rate bonds may comprise up to $25 \%$ of its debt portfolio.

The District has a variable rate bond capacity of approximately $\$ 159.5$ million at this time.

## Calculation of Variable Rate Bond Capacity

| Description | Summary |
| :--- | ---: |
| Existing Bonds | $\$ 631,577,937$ |
| Plus: Authorized But Unissued Bonds | $343,745,000$ |
| Total Bond Portfolio | $\$ 975,322,937$ |
|  |  |
| Variable Rate Capacity at 25\% of Debt Portfolio | $\$ 243,830,734$ |
| Less: Existing Variable Rate Bonds | $84,300,000$ |
| Total Variable Rate Bond Capacity | $\$ \mathbf{1 5 9 , 5 3 0 , 7 3 4}$ |

- The following provides a summary of the District's variable rate bonds outstanding.

| Review of the District's Existing Variable Rate Put Bonds |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Par <br> Amount <br> Outstanding | Interest <br> Rate Term | Expiration <br> Date of <br> Rate Period | Stated <br> Maturities | Current <br> Interest <br> Rate | Estimated <br> Fixed Rate <br> Alternative | Estimated <br> Savings - <br> 3-Years |
| Issue Description | $\$ 40,000,000$ | 3-Years | $07 / 31 / 2015$ | $2034-2042$ | $1.10 \%$ | $4.32 \%$ | $\$ 3,299,687$ |
| Variable Rate Unlimited Tax School <br> Building Bonds, Series 2012-A | $44,300,000$ | 3-Years | $07 / 31 / 2016$ | $2034-2043$ | $1.15 \%$ | $4.83 \%$ | $3,427,223$ |
| Variable Rate Unlimited Tax School <br> Building Bonds, Series 2013 |  |  |  |  |  |  |  |

## Preliminary Financing Plan - 2014 Bond Sales

The remainder of this Preliminary Financing Plan 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.

## Scenario Presented

- Fund the construction of High School No. 4 and Elementary School No. 23, the purchase of land and other projects with the issuance of $\$ 156.0$ million of bonds from the 2013 Bond Program.
- Upon the sale, the District will have $\$ 187,745,000$ of bonds remaining to be sold:
* \$31,745,000-2007 Bond Program
* $\$ 156.0$ million - 2013 Bond Program
- The remaining bonds will be sold in the future as the District's taxable assessed valuation increases to permit the District to cost-effectively comply with the "50.0 Cent Debt Test."


## Preliminary Financing Plan - 2014 Bond Sales (Continued)

## Financing Components

- Bonds will be sold utilizing a combination of fixed and variable rates of interest.
* \$86.0 Million - Fixed Rate Bond Sale (the "Series 2014-A Bonds")
* \$70.0 Million - Variable Rate Bond Sale (the "Series 2014-B Bonds")
$\checkmark \quad \$ 70.0$ million of variable rate bonds are anticipated to be sold with an initial 5-year interest rate term - Interest rate fixed through fiscal year 2018/19.
$\checkmark$ Based upon current market conditions, we estimate the District's initial variable interest rate to be $2.10 \%$. Based upon the current difference between variable and fixed rates of interest, the Series 2014-B Bonds will lower the District's borrowing cost by approximately $\$ 6.75$ million over the next 5-years (average of $\$ 1,350,000$ per year).


## Composition of Debt Portfolio

## Existing Bond Portfolio



## Updated Bond Portfolio Upon 2014 Bond Sales



## Preliminary Financing Plan - 2014 Bond Sales

Preliminary Financing Plan - 2014 Bond Sales - Projected Results

| A | B | C | D | E | F | G | H | I | J |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | Total <br> Outstanding <br> Bonds <br> Payments | Plus: <br> Fixed Rate <br> Series 2014-A <br> \$86,000,000 <br> (a) 4.16\% | Plus: <br> Variable Rate <br> Series 2014-B <br> \$70,000,000 <br> (a) 3.51\% | Total <br> Combined Bond Payments | Less: <br> Frozen Levy, Delinquent Tax Collections \& Interest Earnings, \& Capitalized Interest | Net <br> Combined Bond Payments | Taxable <br> Assessed <br> Valuation <br> (Net of Frozen) | Projected I\&S Tax Rate | I\&S Tax Rate Difference |
| 2013/14 | \$51,438,853 | \$0 | \$0 | \$51,438,853 | \$5,023,765 | \$46,415,088 | \$9,591,174,581 | \$0.4900 |  |
| 2014/15 | 46,748,630 | 4,779,953 | 2,376,212 | 53,904,794 | 5,058,765 | 48,846,030 | 9,891,174,581 | 0.5000 | \$0.0100 |
| 2015/16 | 47,499,680 | 5,821,750 | 2,027,100 | 55,348,530 | 5,023,765 | 50,324,765 | 10,191,174,581 | 0.5000 |  |
| 2016/17 | 48,204,468 | 6,598,000 | 2,027,100 | 56,829,568 | 5,023,765 | 51,805,803 | 10,491,174,581 | 0.5000 |  |
| 2017/18 | 48,191,235 | 4,895,750 | 2,027,100 | 55,114,085 | 5,023,765 | 50,090,320 | 10,791,174,581 | 0.4700 | (\$0.0300) |
| 2018/19 | 48,173,280 | 6,306,750 | 2,027,100 | 56,507,130 | 5,023,765 | 51,483,365 | 11,091,174,581 | 0.4700 |  |
| 2019/20 | 48,149,900 | 5,654,250 | 2,702,800 | 56,506,950 | 5,023,765 | 51,483,185 | 11,091,174,581 | 0.4700 |  |
| 2020/21 | 48,142,026 | 5,662,750 | 2,702,800 | 56,507,576 | 5,023,765 | 51,483,811 | 11,091,174,581 | 0.4700 |  |
| 2021/22 | 48,659,655 | 5,145,500 | 2,702,800 | 56,507,955 | 5,023,765 | 51,484,190 | 11,091,174,581 | 0.4700 |  |
| 2022/23 | 48,653,090 | 5,153,500 | 2,702,800 | 56,509,390 | 5,023,765 | 51,485,625 | 11,091,174,581 | 0.4700 |  |
| 2023/24 | 48,642,091 | 5,161,500 | 2,702,800 | 56,506,391 | 5,023,765 | 51,482,626 | 11,091,174,581 | 0.4700 |  |
| 2024/25 | 48,636,390 | 5,169,250 | 2,702,800 | 56,508,440 | 5,023,765 | 51,484,676 | 11,091,174,581 | 0.4700 |  |
| 2025/26 | 48,664,817 | 5,141,500 | 2,702,800 | 56,509,117 | 5,023,765 | 51,485,353 | 11,091,174,581 | 0.4700 |  |
| 2026/27 | 48,599,892 | 5,204,750 | 2,702,800 | 56,507,442 | 5,023,765 | 51,483,677 | 11,091,174,581 | 0.4700 |  |
| 2027/28 | 47,911,700 | 5,894,250 | 2,702,800 | 56,508,750 | 5,023,765 | 51,484,986 | 11,091,174,581 | 0.4700 |  |
| 2028/29 | 48,494,006 | 5,313,250 | 2,702,800 | 56,510,056 | 5,023,765 | 51,486,292 | 11,091,174,581 | 0.4700 |  |
| 2029/30 | 48,476,291 | 5,328,250 | 2,702,800 | 56,507,341 | 5,023,765 | 51,483,576 | 11,091,174,581 | 0.4700 |  |
| 2030/31 | 48,470,216 | 5,335,500 | 2,702,800 | 56,508,516 | 5,023,765 | 51,484,751 | 11,091,174,581 | 0.4700 | Futu |
| 2031/32 | 48,458,243 | 5,345,000 | 2,702,800 | 56,506,043 | 5,023,765 | 51,482,278 | 11,091,174,581 | 0.4700 |  |
| 2032/33 | 48,445,033 | 5,361,250 | 2,702,800 | 56,509,083 | 5,023,765 | 51,485,318 | 11,091,174,581 | 0.4700 |  |
| 2033/34 | 32,188,410 | 9,018,500 | 2,702,800 | 43,909,710 | 5,023,765 | 38,885,946 | 11,091,174,581 | 0.3550 |  |
| 2034/35 | 32,328,541 | 8,879,250 | 2,702,800 | 43,910,591 | 5,023,765 | 38,886,826 | 11,091,174,581 | 0.3550 |  |
| 2035/36 | 20,696,450 | 9,558,750 | 2,702,800 | 32,958,000 | 5,023,765 | 27,934,235 | 11,091,174,581 | 0.2550 |  |
| 2036/37 | 20,895,850 | 9,355,500 | 2,702,800 | 32,954,150 | 5,023,765 | 27,930,385 | 11,091,174,581 | 0.2550 |  |
| 2037/38 | 21,107,300 | 2,646,000 | 9,202,800 | 32,956,100 | 5,023,765 | 27,932,335 | 11,091,174,581 | 0.2550 |  |
| 2038/39 | 10,428,400 | 0 | 11,572,800 | 22,001,200 | 5,023,765 | 16,977,435 | 11,091,174,581 | 0.1550 |  |
| 2039/40 | 10,671,800 | 0 | 11,327,600 | 21,999,400 | 5,023,765 | 16,975,635 | 11,091,174,581 | 0.1550 |  |
| 2040/41 | 10,941,600 | 0 | 11,057,600 | 21,999,200 | 5,023,765 | 16,975,435 | 11,091,174,581 | 0.1550 |  |
| 2041/42 | 11,230,800 | 0 | 10,768,600 | 21,999,400 | 5,023,765 | 16,975,635 | 11,091,174,581 | 0.1550 |  |
| 2042/43 | 5,917,600 | 0 | 10,056,200 | 15,973,800 | 5,023,765 | 10,950,035 | 11,091,174,581 | $0.1000$ |  |
| 2043/44 | 0 | 0 | 15,397,200 | 15,397,200 | 5,023,765 | 10,373,435 | 11,091,174,581 | 0.0947 |  |
| Total | \$1,145,066,245 | \$142,730,703 | \$138,517,812 | \$1,426,314,759 | \$155,771,703 | \$1,270,543,056 |  |  |  |

## Review of District's Bond Capacity - Upon 2014 Bond Sales

Taxable Assessed Valuation Necessary to Permit Sale of Remaining Bonds from 2007 and 2013 Bond Programs


## Preliminary Timetable - 2014 Bond Sales



Closing - Receipt of Funds

## Preliminary Timetable

| Date* | Action Necessary |
| :---: | :--- |
| February 25, 2014 | Board Meeting - Discuss Preliminary Financing Plan For Sale Of \$156.0 Million Of Bonds From The <br> 2013 Bond Program. |
| March 25, 2014 | Board Meeting - Consider "Parameters Bond Order" Authorizing Issuance Of Series 2014-A And <br> Series 2014-B Bonds. |
| April 2014 | Bond Rating Presentation - Fitch Ratings And Standard \& Poor's Ratings Services. |
| April 25, 2014 | Completion Of All Actions Neces sary To Sell Series 2014-A And 2014-B Bonds. |
| To Be Determined | Pricing - Sale Of The Series 2014-A And 2014-B Bonds Within The Specified Parameters - Interest <br> Rates Locked-In At This Time. |

* Preliminary, subject to change.


## Approval of Parameters Order - 2014 Bond Sales $\$ 156.0$ Million Bond Sale from the 2013 Bond Program

$\square$ Pursuant to a "Parameters Bond Order" to be considered by the District's Board of Trustees on March 25, 2014, the following is a representative listing of the parameters to be used for the District's 2014 Bond Sales.

| Parameters for Sales of Series 2014-A and Series 2014-B Bonds |  |  |
| :--- | :---: | :---: |
| Parameter | Series 2014-A Bonds <br> ("Fixed Rate") | Series 2014-B Bonds <br> ('Variable Rate") |
| 1) Maximum Principal Amount | $\$ 86,000,000$ | $\$ 70,000,000$ <br> 2) True Interest Rate - Must Not Exceed: <br> 3.00\% |
| Final Maturity - Must Not Exceed | The Highest Lawful <br> Rate (Anticipated Rate <br> of 2.10\%) |  |
| 4) Completion of Bond Sales (i.e. Within 180 Days): | September 21,2014 | September 21, 2014 |

$\square$ Unless the parameters detailed above can be achieved, the Bonds would not be issued unless additional direction was received from the District.

BOSC, Inc.'s Specialized Texas School District Finance Team


Joshua M. McLaughlin
Investment Banker, Co-Director of Texas Public Finance
BOSC, Inc.
333 West Campbell Road, Suite 350 | Richardson, Texas 75080 E-Mail: jmclaughlin@boscinc.com
Direct: 214.576 .0878 | Mobile: 972.897 .0503 | Fax: 214.576 .0890
$\qquad$




Ryan O'Hara
Managing Director, Texas Public Finance
BOSC, Inc.
1401 MCKinney Street, Suite 1000 | Houston, Texas 77010 Direct: 713.289 .5898 | Mobile: 713.584 .5788 | Fax: 713.354 .0258
$\qquad$


Alison M. Long
Investment Banker, Texas Public Finance
BOSC, Inc.
333 West Campbell Road, Suite 350 | Richardson, Texas 75080 E-Mail: alison.long@boscinc.com
Direct: 214.576 .0881 | Mobile: 254.744.4555 | Fax: 214.576 .0890
$\qquad$


Omar Garcia
Investment Banker, Texas Public Finance
BOSC, Inc.
333 West Campbell Road, Suite 350 | Richardson, Texas 75080 E-Mail: ogarcia@boscinc.com
Direct: 512.243 .5917 | Mobile: 512.565.7005 | Fax: 214.576.0890
$\qquad$

Dr. Cathy Bryce
Investment Banker, Texas Public Finance
BOSC, Inc.
333 West Campbell Road, Suite 350 | Richardson, Texas 75080 E-Mail: cbryce@boscinc. Som
Mobile: 214.477 .5972 | Fax: 214.576 .0890



John Robuck
Investment Banker, Texas Public Finance
BOSC,Inc.
1401 McKinney Street, Suite 1000 | Houston, Texas 77010
E-Mail E-Mail: jrobuck@boscinc.com
Direct: 713.289 .5897 | Mobile: 281.610.8335 | Fax: 713.354 .0258

