

INDEPENDENT SCHODL DISTRICT

Review of Preliminary Financing Plan Initial Bond Sale from 2018 Bond Program

Tuesday, July 24, 2018

## Recent Savings from District's Debt Management Practices

$\square$ Consistent with its debt management policy, Denton Independent School District (the "District") has actively deployed various debt management practices to lower its overall borrowing cost. In total over the last 10 years, the District's actions have directly reduced the cost of taxpayers by more than $\$ 171$ million, as summarized below:

* $\$ 137,713,728$ - Bond Refundings/Prepayment of Bonds
* $\$ 24,387,768$ - Lower Interest Rates from Prudent Use of Variable Rate Bonds
* 8,934,147 - Synthetic Debt Structures
\$171,035,643 - Total Savings to Taxpayers


## Recent Savings from District's Debt Management Practices

- Bond Refundings and Prepayment of Bonds: The District has implemented 7 refunding programs and prepaid $\$ 47.105$ million of existing bonds, generating more than $\$ 137.7$ million of savings.

Summary of Interest Cost Savings Achieved by the District - Bond Refunding Programs / Prepayment of Bonds

| Issue / Description | Series Refunded / Redeemed | Principal <br> Amount <br> Refunded / <br> Redeemed |  | Total Savings |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Unlimited Tax Refunding Bonds, Series 2011 [June 2011] | 1998, 1999, 2001, 2004 | \$ | 24,940,000 | \$ | 1,838,589 |
| Unlimited Tax Refunding Bonds, Series 2012-B [May 2012] | 2002, 2004, 2005-C |  | 64,614,784 |  | 13,196,404 |
| Unlimited Tax Refunding Bonds, Taxable Series 2012-C [November 2012] | 2004, 2005-C |  | 25,030,000 |  | 2,551,494 |
| Unlimited Tax Refunding Bonds, Series 2012-D [November 2012] | 2004 |  | 40,155,000 |  | 8,937,721 |
| Unlimited Tax Refunding Bonds, Series 2014-C [December 2014] | 2006-A |  | 15,010,000 |  | 1,252,934 |
| Unlimited Tax Refunding Bonds, Series 2015 [April 2015] | 2007, 2008 |  | 125,110,000 |  | 17,203,964 |
| Unlimited Tax Refunding Bonds, Series 2016 [May 2016] | 2006, 2007, 2008, 2009 |  | 118,749,192 |  | 51,970,247 |
| Total - Bond Refunding Programs at a Lower Interest Rate | ---- | \$ | 413,608,976 | \$ | 96,951,353 |
| Prepayment of Series 2000 Bonds [February 2009] | 2000 | \$ | 625,000 | \$ | 609,375 |
| Prepayment of Series 2012-A Bonds [August 2015] | 2012-A |  | 5,120,000 |  | 5,529,600 |
| Prepayment of Series 2013 Bonds [August 2016] | 2013 |  | 7,000,000 |  | 7,507,600 |
| Prepayment of Series 2012-A Bonds [February 2017] | 2012-A |  | 8,800,000 |  | 7,937,000 |
| Prepayment of Series 2012-A Bonds [February 2018] | 2012-A |  | 17,700,000 |  | 13,962,000 |
| Prepayment of Series 2012-A Bonds [August 2018] | 2012-A |  | 7,860,000 |  | 5,216,800 |
| Total - Prepayment of Bonds Prior to Scheduled Maturity | --- | \$ | 47,105,000 | \$ | 40,762,375 |
| Totals | --- | \$ | 460,713,976 | \$ | 137,713,728 |

## Recent Savings from District's Debt Management Practices

- Variable Rate Debt: The District's prudent use of variable rate bonds has produced approximately $\$ 24.4$ million of savings by lowering its borrowing cost. As summarized below, the District's current interest rates on its variable rate bonds are $1.14 \%-1.59 \%$.

| Review of the District's Existing Variable Rate Put Bonds |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Principal <br> Amount <br> Outstanding | Current <br> Interest <br> Rate | Estimated <br> Fixed Rate <br> Alternative | Estimated <br> Savings |  |  |
| Issue Description | \$,860,000(A) | $1.30 \%$ | $4.32 \%$ | $\$ 6,392,087$ |  |  |
| Variable Rate Unlimited Tax School <br> Building Bonds, Series 2012-A | $31,980,000$ | $1.14 \%$ | $4.83 \%$ | $9,090,123$ |  |  |
| Variable Rate Unlimited Tax School <br> Building Bonds, Series 2013 | $69,075,000$ | $1.59 \%$ | $4.23 \%$ | $8,905,558$ |  |  |
| Variable Rate Unlimited Tax School <br> Building Bonds, Series 2014-B | $\$ 108,915,000$ | --- | --- | $\$ 24,387,768$ |  |  |
| Totals |  |  |  |  |  | \$-- |
| (A) The District will redeem the remaining Series 2012-A Bonds on August 1, 2018. |  |  |  |  |  |  |

■ Synthetic Debt Structures: The District has implemented two "synthetic fixed rate debt structures" (i.e. Series 2005-A and 2006-B Bonds) to potentially reduce the District's interest cost - To date, these structures have reduced the District's interest cost by more than $\$ 8.9$ million.

## Dollar Amount and Structure of District's Existing Bonds



Note: Debt service payments reflect payments from September 1 through August 31. In addition, the District's projected bond payment in year 2017/18 includes a $\$ 17,700,000$ and $\$ 7,860,000$ prepayment of the District's Series 2012-A Variable Rate Bonds on February 1, 2018 and August 1, 2018, respectively.

The District has a total principal amount of existing bonds equal to $\$ 799,994,104$ as of July $24,2018$.

## Current Market, Fixed Interest Rates

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

## 0 0 0 0 0



Comparison of Municipal Market Data ("MMD") Interest Rate Curves

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


[^0]
## Goals of Financing Plan - 2018 Bond Program

$\square$ Meet or exceed expectations of taxpayers - Fully implement the 2018 Bond Program within the projected cost communicated to voters during the May 2018 Bond Election:

- Interest \& Sinking Fund ("I\&S") tax rate will remain at its current level of 48.0 cents - No I\&S rate increase.
$\square$ Meet the school facility needs of the District's growing student enrollment;
$\square$ Maximize the District's future bond capacity for capital improvements;
$\square$ Maintain bond repayment period of 30 years or less;
$\square$ As the District has previously utilized to strategically lower its borrowing costs, the use of variable rate bonds is limited to no more than $25 \%$ of the District's total debt portfolio;
$\square$ Incorporate ongoing flexibility to prepay outstanding bonds to reduce the interest cost of taxpayers; and
$\square$ Structure repayment of bonds to comply with the State mandated "50-Cent Debt" limitation and do not use costly Capital Appreciation Bonds ("CABs").


## Projects Included Within 2018 Bond Program

## 2018 Bond Program - Summary of Projects

| Proiect <br> Middle School No. 9 <br> Elementary School No. 25 <br> East Transportation Facility <br> West Transportation Facility |
| :--- | :--- |
| Total - Growth |
| Denton High School - Replacement Campus |
| Denton High School - Renovation to become Calhoun Middle |
| Newton Rayzor Elementary School - Replacement Campus |
| Woodrow Wilson Elementary School - Replacement Campus |
| Strickland Middle School - Renovate/Rebuild |
| Capital Improvements - Various Facilities |
| Capital Improvements at Sisk Annex \& Technology Building |
| Natatorium Repairs |


| Phase I -September 2018$\$ 442.430$ MillionBond Sale$\$$$7,200,000$ <br> --- <br> $8,685,000$ <br> 665,000 | Phase II -June 2020\$226.835 MillionBond Sale$\$$$74,125,000$ <br> $37,815,000$ <br> --- <br> $6,845,000$ |  | Total 2018 <br> Bond Program <br> $\$ 81,325,000$ <br> $42,350,000$ <br> $8,685,000$ <br> $7,510,000$ |
| :---: | :---: | :---: | :---: |
| \$ 16,550,000 | \$ 118,785,000 | \$ 4,535,000 | \$ 139,870,000 |
| $183,450,000$ --- --- $37,270,000$ $48,060,000$ $60,885,000$ --- $1,400,000$ | $\begin{array}{r} \hline 11,410,000 \\ --- \\ --- \\ 5,360,000 \\ 4,850,000 \\ 13,495,000 \\ 435,000 \\ --- \end{array}$ | $\begin{array}{r} --- \\ 30,140,000 \\ 42,725,000 \\ --- \\ --- \\ 460,000 \\ --- \\ --- \\ \hline \end{array}$ | $\begin{array}{r} 194,860,000 \\ 30,140,000 \\ 42,725,000 \\ 42,630,000 \\ 52,910,000 \\ 74,840,000 \\ 435,000 \\ 1,400,000 \end{array}$ |
| \$ 331,065,000 | \$ 35,550,000 | \$ 73,325,000 | \$ 439,940,000 |
| --- | $\begin{array}{r} 15,345,000 \\ 9,620,000 \\ 2,670,000 \\ 2,965,000 \end{array}$ | ---- | $\begin{array}{r} 15,345,000 \\ 9,620,000 \\ 2,670,000 \\ 2,965,000 \end{array}$ |
| \$ --- | \$ 30,600,000 | \$ --- | \$ 30,600,000 |
| $\begin{array}{r} 9,430,000 \\ 7,325,000 \\ 130,000 \\ \hline \end{array}$ | $3,100,000$ | $\begin{array}{r} 600,000 \\ --- \\ --- \end{array}$ | $\begin{array}{r} 13,130,000 \\ 7,325,000 \\ 130,000 \\ \hline \end{array}$ |
| \$ 16,885,000 | \$ 3,100,000 | \$ 600,000 | \$ 20,585,000 |
| $\begin{array}{r} 54,320,000 \\ 23,610,000 \\ --- \\ --- \\ --- \end{array}$ | $\begin{array}{r} 5,435,000 \\ 2,470,000 \\ 1,895,000 \\ 28,365,000 \\ 635,000 \end{array}$ | $\begin{array}{r} --- \\ --- \\ \text {--- } \\ 2,775,000 \\ --- \end{array}$ | $\begin{array}{r} 59,755,000 \\ 26,080,000 \\ 1,895,000 \\ 31,140,000 \\ 635,000 \end{array}$ |
| \$ 77,930,000 | \$ 38,800,000 | \$ 2,775,000 | \$ 119,505,000 |
| \$ 442,430,000 | \$ 226,835,000 | \$ 81,235,000 | \$750,500,000 |

Source: District's estimated cash flow projections - As of June 28, 2018.

## Preliminary Financing Plan - Series 2018 Bond Sale

The Preliminary Financing Plan is based upon the assumptions summarized 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

- Denton ISD issues $\$ 442,430,000$ of fixed rate bonds from the 2018 Bond Program (the "Series 2018 Bonds") in September 2018.
- The timing of future bond sales will be based upon the District's future taxable values and capital needs within the District. Based upon preliminary cash flow projections, the District anticipates implementing the remainder of the 2018 Bond Program as summarized below:
$>$ June 2020: $\quad \$ 76,835,000$ Bond Sale - Utilize Fixed Rates of Interest;
$>$ August 2020: $\$ 150,000,000$ Bond Sale - Utilize Variable Rates of Interest; and
$>$ August 2022: $\$ 81,235,000$ Bond Sale - Utilize Fixed Rates of Interest.


## Preliminary Financing Plan - Series 2018 Bond Sale

## Assumptions

- The Series 2018 Bonds will be issued without an I\&S tax rate increase.
- The estimated interest rate on the Series 2018 Bonds is $4.11 \%$.
- The Series 2018 Bonds will initially be structured with annual principal payments over the next 30 years with a final maturity of August 15, 2048. However, the District will have the flexibility to prepay the bonds prior to scheduled maturity, without penalty.
- District will not receive any State assistance for the repayment of bonds.
- District will annually have $\$ 7,948,673$ of "Other Available Revenues" available for bond payments. "Other Available Revenues" consist of frozen levy I\&S tax collections, interest earnings on I\&S tax collections, delinquent tax collections and other available revenues.
- Tax collection rate of $99.0 \%$.


## Summary of District's Historical Taxable Assessed Valuation

. The District's taxable assessed valuation (net of frozen values) is budgeted to be $\$ 16,220,925,244$ for fiscal year 2018/19.

- The following summarizes certain taxable value growth statistics over the last decade:
- Maximum tax base increase occurred in Year 2017/18: $\$ 1,762,711,922$;
- Maximum tax base decline occurred in Year 2010/11: (\$149,709,436); and
- Average tax base increase last 10 years: $\$ 757,358,989$.

$\square$ The Preliminary Financing Plan assumes District's taxable values will increase by the historical 10year average of $\$ 757,358,989$ in each of the next 5 years.


## Preliminary Financing Plan - Series 2018 Bond Sale

Historical and Assumed Taxable Valuations
(Net of Frozen Values)


|  |  |  |  |  | 2018/19 | Average Annual <br> Increase - Years |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2014/15 $-2018 / 19$ |  |  |  |  |  |  |$|$


$\left.$|  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Fiscal Year |  |  |  |  |  |
|  |  |  |  |  |  | | Average Annual |
| :---: |
| Increase - Years |
| Thereafter | \right\rvert\,

Historical values are provided by Denton Central Appraisal District.

## Preliminary Financing Plan - Series 2018 Bond Sale

B Based upon the Preliminary Financing Plan herein, the Series 2018 Bonds are projected to be implemented with no tax rate increase.

| Summary of Preliminary Financing Plan - Series 2018 Bond Sale |  |
| :--- | :---: |
| Description | Preliminary <br> Financing <br> Plan |
| Dollar Amount of Bonds to be Issued - Series 2018 Bonds | $\$ 442,430,000$ |
| I\&S Tax Rate - Prior to 2018 Bond Program <br> Plus: Projected I\&S Tax Rate Increase - Series 2018 Bonds <br> Anticipated Maximum I\&S Tax Rate | 48.0 Cents <br> 0.0 Cents |
| Projected Interest Rate - Series 2018 Bonds | 48.0 Cents |$|$| $4.11 \%$ |
| :--- |
| Projected Net Bond Payments - Series 2018 Bonds |
| Final Maturity |

## Preliminary Financing Plan - Series 2018 Bond Sale

| Preliminary Financing Plan - Sale of \$442,430,000 From 2018 Bond Program - Projected Results |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| A | B | C | D | E | F | G | H | I | J |
| Year | Total <br> Existing Bond Payments | Plus: <br> September-18 <br> Fixed Rate <br> Series 2018 <br> \$442,430,000 <br> (a) 4.11\% | Total <br> Combined <br> Bond Payments | Less: <br> Projected State Funding Assistance | Less: <br> Frozen Levy, <br> Delinquent Tax <br>  <br> Interest Earnings | Net <br> Combined <br> Bond Payments | Taxable <br> Assessed <br> Valuation <br> (Net of Frozen) | Projected I\&S Tax Rate | I\&S Tax Rate Difference |
| 2017/18 | \$85,430,921 | \$0 | \$85,430,921 | \$0 | \$6,850,000 | \$78,580,921 | \$14,520,925,244 | \$0.4800 |  |
| 2018/19 | 59,370,316 | 25,656,456 | 85,026,771 | 0 | 7,948,673 | 77,078,099 | 16,220,925,244 | 0.4800 | \$0.0000 |
| 2019/20 | 59,384,336 | 29,242,850 | 88,627,186 | 0 | 7,948,673 | 80,678,513 | 16,978,284,233 | 0.4800 |  |
| 2020/21 | 60,020,368 | 19,659,250 | 79,679,618 | 0 | 7,948,673 | 71,730,946 | 17,735,643,222 | 0.4085 |  |
| 2021/22 | 60,024,762 | 23,254,050 | 83,278,812 | 0 | 7,948,673 | 75,330,140 | 18,493,002,211 | 0.4115 |  |
| 2022/23 | 60,025,947 | 21,095,250 | 81,121,197 | 0 | 7,948,673 | 73,172,525 | 19,250,361,200 | 0.3839 |  |
| 2023/24 | 60,026,698 | 24,698,500 | 84,725,198 | 0 | 7,948,673 | 76,776,526 | 20,007,720,189 | 0.3876 |  |
| 2024/25 | 60,025,728 | 24,700,500 | 84,726,228 | 0 | 7,948,673 | 76,777,555 | 20,007,720,189 | 0.3876 |  |
| 2025/26 | 60,025,605 | 24,697,000 | 84,722,605 | 0 | 7,948,673 | 76,773,932 | 20,007,720,189 | 0.3876 |  |
| 2026/27 | 60,026,467 | 24,697,500 | 84,723,967 | 0 | 7,948,673 | 76,775,294 | 20,007,720,189 | 0.3876 |  |
| 2027/28 | 60,023,275 | 24,701,000 | 84,724,275 | 0 | 7,948,673 | 76,775,603 | 20,007,720,189 | 0.3876 |  |
| 2028/29 | 60,022,081 | 21,731,500 | 81,753,581 | 0 | 7,948,673 | 73,804,909 | 20,007,720,189 | 0.3726 |  |
| 2029/30 | 60,020,616 | 21,731,750 | 81,752,366 | 0 | 7,948,673 | 73,803,693 | 20,007,720,189 | 0.3726 |  |
| 2030/31 | 60,026,291 | 21,729,750 | 81,756,041 | 0 | 7,948,673 | 73,807,368 | 20,007,720,189 | 0.3726 |  |
| 2031/32 | 60,688,943 | 21,065,000 | 81,753,943 | 0 | 7,948,673 | 73,805,270 | 20,007,720,189 | 0.3726 |  |
| 2032/33 | 60,682,833 | 21,070,000 | 81,752,833 | 0 | 7,948,673 | 73,804,160 | 20,007,720,189 | 0.3726 |  |
| 2033/34 | 49,575,360 | 22,277,250 | 71,852,610 | 0 | 7,948,673 | 63,903,938 | 20,007,720,189 | 0.3226 |  |
| 2034/35 | 49,528,941 | 22,326,000 | 71,854,941 | 0 | 7,948,673 | 63,906,268 | 20,007,720,189 | 0.3226 |  |
| 2035/36 | 37,746,800 | 34,105,500 | 71,852,300 | 0 | 7,948,673 | 63,903,627 | 20,007,720,189 | 0.3226 |  |
| 2036/37 | 37,707,100 | 34,138,250 | 71,845,350 | 0 | 7,948,673 | 63,896,677 | 20,007,720,189 | 0.3226 |  |
| 2037/38 | 37,664,000 | 34,186,250 | 71,850,250 | 0 | 7,948,673 | 63,901,577 | 20,007,720,189 | 0.3226 |  |
| 2038/39 | 31,319,000 | 30,626,250 | 61,945,250 | 0 | 7,948,673 | 53,996,577 | 20,007,720,189 | 0.2726 |  |
| 2039/40 | 31,272,300 | 30,676,000 | 61,948,300 | 0 | 7,948,673 | 53,999,627 | 20,007,720,189 | 0.2726 |  |
| 2040/41 | 31,219,350 | 22,596,250 | 53,815,600 | 0 | 7,948,673 | 45,866,927 | 20,007,720,189 | 0.2316 |  |
| 2041/42 | 28,273,350 | 25,546,000 | 53,819,350 | 0 | 7,948,673 | 45,870,677 | 20,007,720,189 | 0.2316 |  |
| 2042/43 | 25,060,250 | 28,756,500 | 53,816,750 | 0 | 7,948,673 | 45,868,077 | 20,007,720,189 | 0.2316 |  |
| 2043/44 | 30,979,750 | 12,935,750 | 43,915,500 | 0 | 7,948,673 | 35,966,827 | 20,007,720,189 | 0.1816 |  |
| 2044/45 | 13,350,750 | 30,565,250 | 43,916,000 | 0 | 7,948,673 | 35,967,327 | 20,007,720,189 | 0.1816 |  |
| 2045/46 | 0 | 43,914,500 | 43,914,500 | 0 | 7,948,673 | 35,965,827 | 20,007,720,189 | 0.1816 |  |
| 2046/47 | 0 | 43,917,750 | 43,917,750 | 0 | 7,948,673 | 35,969,077 | 20,007,720,189 | 0.1816 |  |
| 2047/48 | 0 | 43,911,000 | 43,911,000 | 0 | 7,948,673 | 35,962,327 | 20,007,720,189 | 0.1816 |  |
| Total | \$1,389,522,138 | \$810,208,856 | \$2,199,730,993 | \$0 | \$245,310,177 | \$1,954,420,816 |  |  |  |

## Preliminary Financing Plan - 2018 Bond Program

| Preliminary Financing Plan - 2018 Bond Program - Projected Results |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| A | B | C | D | E | F | G | H | I | J | K | L | M |
| Year | Total <br> Existing Bond Payments | Plus: September-18 Fixed Rate Series 2018 \$442,430,000 (a) $4.11 \%$ | Plus: <br> June-20 <br> Fixed Rate <br> Series 2020-A <br> \$76,835,000 <br> (a) 5.00\% | Plus: <br> August-20 <br> Variable Rate <br> Series 2020-B <br> \$150,000,000 <br> (a) 5.00\% | Plus: <br> August-22 <br> Fixed Rate <br> Series 2022 <br> \$81,235,000 <br> @ 5.50\% | Total <br> Combined <br> Bond Payments | Less: <br> Projected <br> State Funding <br> Assistance | Less: <br> Frozen Levy, <br> Delinquent Tax <br>  <br> Interest Earnings | Net Combined Bond Payments | Taxable <br> Assessed <br> Valuation <br> (Net of Frozen) | Projected I\&S Tax Rate | I\&S Tax Rate Difference |
| 2017/18 | \$85,430,921 | \$0 | \$0 | \$0 | \$0 | \$85,430,921 | \$0 | \$6,850,000 | \$78,580,921 | \$14,520,925,244 | \$0.4800 |  |
| 2018/19 | 59,370,316 | 25,656,456 | 0 | 0 | 0 | 85,026,771 | 0 | 7,948,673 | 77,078,099 | 16,220,925,244 | 0.4800 | \$0.0000 |
| 2019/20 | 59,384,336 | 29,242,850 | 0 | 0 | 0 | 88,627,186 | 0 | 7,948,673 | 80,678,513 | 16,978,284,233 | 0.4800 |  |
| 2020/21 | 60,020,368 | 19,659,250 | 5,044,428 | 7,500,000 | 0 | 92,224,047 | 0 | 7,948,673 | 84,275,374 | 17,735,643,222 | 0.4800 |  |
| 2021/22 | 60,024,762 | 23,254,050 | 5,044,500 | 7,500,000 | 0 | 95,823,312 | 0 | 7,948,673 | 87,874,640 | 18,493,002,211 | 0.4800 |  |
| 2022/23 | 60,025,947 | 21,095,250 | 5,048,250 | 7,500,000 | 5,752,925 | 99,422,372 | 0 | 7,948,673 | 91,473,700 | 19,250,361,200 | 0.4800 |  |
| 2023/24 | 60,026,698 | 24,698,500 | 5,043,750 | 7,500,000 | 5,752,250 | 103,021,198 | 0 | 7,948,673 | 95,072,526 | 20,007,720,189 | 0.4800 |  |
| 2024/25 | 60,025,728 | 24,700,500 | 5,046,250 | 7,500,000 | 5,752,725 | 103,025,203 | 0 | 7,948,673 | 95,076,530 | 20,007,720,189 | 0.4800 |  |
| 2025/26 | 60,025,605 | 24,697,000 | 5,045,250 | 7,500,000 | 5,754,075 | 103,021,930 | 0 | 7,948,673 | 95,073,257 | 20,007,720,189 | 0.4800 |  |
| 2026/27 | 60,026,467 | 24,697,500 | 5,045,750 | 7,500,000 | 5,751,025 | 103,020,742 | 0 | 7,948,673 | 95,072,069 | 20,007,720,189 | 0.4800 |  |
| 2027/28 | 60,023,275 | 24,701,000 | 5,047,500 | 7,500,000 | 5,753,575 | 103,025,350 | 0 | 7,948,673 | 95,076,678 | 20,007,720,189 | 0.4800 |  |
| 2028/29 | 60,022,081 | 21,731,500 | 5,045,250 | 7,500,000 | 5,751,175 | 100,050,006 | 0 | 7,948,673 | 92,101,334 | 20,007,720,189 | 0.4650 | (\$0.015) |
| 2029/30 | 60,020,616 | 21,731,750 | 5,044,000 | 7,500,000 | 5,753,825 | 100,050,191 | 0 | 7,948,673 | 92,101,518 | 20,007,720,189 | 0.4650 |  |
| 2030/31 | 60,026,291 | 21,729,750 | 5,043,500 | 7,500,000 | 5,750,975 | 100,050,516 | 0 | 7,948,673 | 92,101,843 | 20,007,720,189 | 0.4650 |  |
| 2031/32 | 60,688,943 | 21,065,000 | 5,043,500 | 7,500,000 | 5,752,625 | 100,050,068 | 0 | 7,948,673 | 92,101,395 | 20,007,720,189 | 0.4650 |  |
| 2032/33 | 60,682,833 | 21,070,000 | 5,043,750 | 7,500,000 | 5,753,225 | 100,049,808 | 0 | 7,948,673 | 92,101,135 | 20,007,720,189 | 0.4650 |  |
| 2033/34 | 49,575,360 | 22,277,250 | 5,044,000 | 7,500,000 | 5,752,500 | 90,149,110 | 0 | 7,948,673 | 82,200,438 | 20,007,720,189 | 0.4150 | (\$0.050) |
| 2034/35 | 49,528,941 | 22,326,000 | 5,044,000 | 7,500,000 | 5,750,175 | 90,149,116 | 0 | 7,948,673 | 82,200,443 | 20,007,720,189 | 0.4150 |  |
| 2035/36 | 37,746,800 | 34,105,500 | 5,043,500 | 7,500,000 | 5,750,975 | 90,146,775 | 0 | 7,948,673 | 82,198,102 | 20,007,720,189 | 0.4150 |  |
| 2036/37 | 37,707,100 | 34,138,250 | 5,047,250 | 7,500,000 | 5,754,350 | 90,146,950 | 0 | 7,948,673 | 82,198,277 | 20,007,720,189 | 0.4150 |  |
| 2037/38 | 37,664,000 | 34,186,250 | 5,044,750 | 7,500,000 | 5,754,750 | 90,149,750 | 0 | 7,948,673 | 82,201,077 | 20,007,720,189 | 0.4150 |  |
| 2038/39 | 31,319,000 | 30,626,250 | 5,046,000 | 7,500,000 | 5,751,900 | 80,243,150 | 0 | 7,948,673 | 72,294,477 | 20,007,720,189 | 0.3650 | (\$0.050) |
| 2039/40 | 31,272,300 | 30,676,000 | 5,045,500 | 7,500,000 | 5,750,525 | 80,244,325 | 0 | 7,948,673 | 72,295,652 | 20,007,720,189 | 0.3650 |  |
| 2040/41 | 31,219,350 | 22,596,250 | 5,048,000 | 15,630,000 | 5,750,075 | 80,243,675 | 0 | 7,948,673 | 72,295,002 | 20,007,720,189 | 0.3650 |  |
| 2041/42 | 28,273,350 | 25,546,000 | 5,043,000 | 15,628,500 | 5,755,000 | 80,245,850 | 0 | 7,948,673 | 72,297,177 | 20,007,720,189 | 0.3650 |  |
| 2042/43 | 25,060,250 | 28,756,500 | 5,045,500 | 15,626,750 | 5,754,475 | 80,243,475 | 0 | 7,948,673 | 72,294,802 | 20,007,720,189 | 0.3650 |  |
| 2043/44 | 30,979,750 | 12,935,750 | 5,044,750 | 15,628,750 | 5,753,225 | 70,342,225 | 0 | 7,948,673 | 62,393,552 | 20,007,720,189 | 0.3150 | (\$0.050) |
| 2044/45 | 13,350,750 | 30,565,250 | 5,045,500 | 15,628,250 | 5,750,700 | 70,340,450 | 0 | 7,948,673 | 62,391,777 | 20,007,720,189 | 0.3150 |  |
| 2045/46 | 0 | 43,914,500 | 5,047,250 | 15,629,250 | 5,751,350 | 70,342,350 | 0 | 7,948,673 | 62,393,677 | 20,007,720,189 | 0.3150 |  |
| 2046/47 | 0 | 43,917,750 | 5,044,500 | 15,625,500 | 5,754,350 | 70,342,100 | 0 | 7,948,673 | 62,393,427 | 20,007,720,189 | 0.3150 |  |
| 2047/48 | 0 | 43,911,000 | 5,047,000 | 15,626,000 | 5,753,875 | 70,337,875 | 0 | 7,948,673 | 62,389,202 | 20,007,720,189 | 0.3150 |  |
| 2048/49 | 0 | 0 | 5,044,000 | 38,929,250 | 5,754,375 | 49,727,625 | 0 | 7,948,673 | 41,778,952 | 20,007,720,189 | 0.2109 | (\$0.104) |
| 2049/50 | 0 | 0 | 5,045,250 | 38,928,750 | 5,755,025 | 49,729,025 | 0 | 7,948,673 | 41,780,352 | 20,007,720,189 | 0.2109 |  |
| Total | \$1,389,522,138 | \$810,208,856 | \$151,355,428 | \$352,881,000 | \$161,076,025 | \$2,865,043,447 | \$0 | \$261,207,522 | \$2,603,835,925 |  |  |  |

## Composition of Existing and Future Bond Portfolio

$\square$ Upon completion of the 2018 Bond Program in year 2022, variable rate bonds are expected to comprise $18.21 \%$ of the District's total debt portfolio. Pursuant to the District's Debt Management Policy, the maximum percentage of variable rate debt within the District's debt portfolio is $25 \%-30 \%$.

Composition of Existing Bond Portfolio


Estimated Composition of Bond Portfolio Upon Completion of 2018 Bond Program


## Overview of Parameters Bond Order - Series 2018 Bond Sale

$\square$ As previously utilized for prior bond sales, the District's Board of Trustees may adopt a "Parameters Bond Order" designating the ability to approve the issuance of the Series 2018 Bonds to the District's Administration.
$\square$ The Board of Trustees will consider a "Parameters Bond Order" at its Tuesday, July 24, 2018 Board Meeting and the following is a representative listing of the primary parameters we recommend for the Series 2018 Bonds:

1) Maximum principal amount to be issued $-\$ 450,000,000$;
2) Maximum "All-In" True Interest Rate (must not exceed) - 4.50\%;
3) Final maturity of the Series 2018 Bonds - August 15, 2048; and
4) Sale must be completed prior to December 31, 2018.

U Unless each parameter listed above can be achieved, the Series 2018 Bonds will not be issued unless additional direction is received from the District.

## Preliminary Timetable - Series 2018 Bond Sale



Board Meeting
Closing - Receipt of Funds

## Preliminary Timetable - Sale of the Series 2018 Bonds

| Date* | Action Necessary |
| :---: | :--- |
| July 24, 2018 | Board Meeting - Discuss Preliminary Financing Plan and Consider "Parameters Bond Order" <br> Authorizing Issuance of Unlimited Tax School Building Bonds, Series 2018 (the "Series 2018 <br> Bonds"). |
| By August 6, 2018 | Completion of All Items Necessary to Sell the Series 2018 Bonds (i.e. Preliminary Official <br> Statement Completed, Permanent School Fund Guarantee Received, Ratings Received, etc.). |
| To Be Determined. | Bond Sale - Pricing of the Series 2018 Bonds Pursuant to Specified Parameters and District's <br> Administration Approves the Legal Documents and Interest Rates to Complete the Sale. |
| September 13, 2018 | Closing - Proceeds of the Series 2018 Bonds are Delivered to the District. |
| * Preliminary, subject to change. |  |

Questions



[^0]:    $\square$ "MMD" Range Since Year 2000
    $\multimap$ Current "MMD" Yield Curve - July 17, 2018

