## South San Antonio Independent School District

Current Market Update, Preliminary Refunding Analysis, and Creative Capital Financing Ideas

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STRICTLY PRIVATE AND CONFIDENTIAL





Capital Markets

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# Economic Conditions and Market Update

Section 1



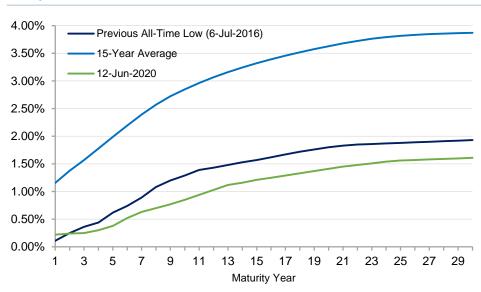
## **Economic Conditions and Market Update**

#### **Overview of Municipal Market Themes**

#### **Municipal Markets Commentary**

- Fixed income yields moved lower last week as the equity sell-off fostered a decidedly risk-off environment.
- Treasury yields moved sharply lower on Wednesday and Thursday to close the week considerably lower, particularly in the longer maturity ranges.
  - By the close of the week, US Treasuries were 163 basis points lower in the five year range, 19 basis point lower in the ten year range and 21 basis points lower in the thirty year range.
- The municipal curve flattened as well, but municipals generally underperformed Treasuries despite another week of significant mutual fund inflows as the market looked ahead to a very full forward calendar.
  - As a result, municipal/Treasury yield ratios moved higher, especially in the short to intermediate maturities.
  - The Municipal Market Data AAA yield closed five basis points higher in the two year range, unchanged in the five year range, and four basis points lower in the ten and nine basis points lower in the thirty year range.
- Municipal supply totaled \$10.7bn last week, and new issues were well-received by the market.
  - Taxable supply accounted for one third of last week's volume, and highgrade spreads tightened despite weakness in IG.
- Primary supply this week is expected to total \$11.7bn, and taxable bonds will comprise 28% of the volume.
  - This week's supply will bring June's volume to \$32.6bn, and supply is tracking to an annualized total of \$381bn.
- Municipal bond funds reported robust inflows of \$2.8bn last week, the largest since January 8th.
  - Last week marked the fourth consecutive municipal fund inflow greater than \$1bn.

#### **Today's MMD Curve in Context**



#### Tax-Exempt and Taxable Yield Trends: November 1, 2016 - Present



Source: RBC Capital Markets, Thomson Reuters and Bloomberg. For more sources, see disclaimer slide.

## **Economic Conditions and Market Update**

## Post COVID-19 | Texas School District's Accessing the Capital Markets

Texas K-12 Transactions (February 1, 2020 - May 20, 2020)

Source: Municipal Advisory Council of Texas

Sale Date	Issuer	Par Amount	Issue	Sale Date	Issuer	Par Amount	Issue
05/20/2020	Ingleside ISD	\$4,650,000	U/L Tax Ref Bds Ser 2020	04/15/2020	Northwest ISD	\$181,545,000	U/L Tax Sch Bldg & Ref Bds Ser 2020
05/20/2020	Harlingen CISD	63,170,000	U/L Tax Ref Bds Ser 2020	04/14/2020	Galena Park ISD	14,850,000	U/L Tax Ref Bds Ser 2020
05/19/2020	Aledo ISD	133,590,000	U/L Tax Sch Bldg Bds Ser 2020	04/14/2020	Muleshoe ISD	13,475,000	U/L Tax Ref Bds Ser 2020
05/19/2020	Skidmore-Tynan ISD	6,015,000	U/L Tax Ref Bds Ser 2020	04/13/2020	Lovelady ISD	6,795,000	U/L Tax Sch Bldg Bds Ser 2020
05/19/2020	Spring ISD	29,425,000	U/L Tax Ref Bds Ser 2020	04/08/2020	Lumberton ISD	37,790,000	U/L Tax Sch Bldg Bds Ser 2020
05/18/2020	West Orange-Cove CISD	9,490,000	U/L Tax Sch Bldg Bds Ser 2020	04/08/2020	Sierra Blanca ISD	8,700,000	U/L Tax Sch Bldg Bds Ser 2020
05/18/2020	Luling ISD	22,400,000	U/L Tax Sch Bldg Bds Ser 2020	04/07/2020	Sabine Pass ISD	8,785,000	U/L Tax Sch Bldg Bds Ser 2020
05/15/2020	Socorro ISD	107,380,000	U/L Tax Ref Bds Taxable Ser 2020B	<b>April Subtotal</b>		\$1,198,568,438	- J
05/13/2020	Socorro ISD	10,815,000	U/L Tax Ref Bds Ser 2020A	03/31/2020	Angleton ISD	37,530,000	U/L Tax Sch Bldg Bds Ser 2020
05/13/2020	La Joya ISD	4,715,000	Mtc Tax Notes Ser 2020	03/31/2020	San Felipe Del Rio CISD	16,520,000	U/L Tax Sch Bldg Bds Ser 2020
05/12/2020	Point Isabel ISD	2,670,000	Mtc Tax Ref Bds Ser 2020	03/25/2020	Darrouzett ISD	1,950,000	U/L Tax Sch Bldg Bds Ser 2020
05/11/2020	Somerset ISD	27,120,000	U/L Tax Sch Bldg & Ref Bds Ser 2020	03/17/2020	Sweeny ISD	8,710,000	U/L Tax Sch Bldg Bds Ser 2020
05/11/2020	Plains ISD	6,745,000	U/L Tax Ref Bds Ser 2020	03/11/2020	Hillsboro ISD	26,950,000	U/L Tax Sch Bldg Bds Ser 2020
05/11/2020	Brownsboro ISD	12,175,000	U/L Tax Ref Bds Ser 2020	03/10/2020	Dumas ISD	67,295,000	U/L Tax Sch Bldg Bds Ser 2020
05/11/2020	San Marcos CISD	4,385,000	U/L Tax Ref Bds Ser 2020	03/03/2020	Austin ISD	66,590,000	U/L Tax Ref Bds Taxable Ser 2020
05/07/2020	Lubbock ISD	57,610,000	U/L Tax Sch Bldg Bds Ser 2020	03/03/2020	Midlothian ISD	105,005,000	U/L Tax Sch Bldg Bds Ser 2020
05/06/2020	El Paso ISD	37,850,000	U/L Tax Ref Bds Ser 2020	03/02/2020	Comfort ISD	17,040,000	U/L Tax Sch Bldg Bds Ser 2020
05/05/2020	East Central ISD	9,335,000	U/L Tax Ref Bds Ser 2020	March Subtota		\$347,590,000	
y Subtotal		\$549,540,000		02/27/2020	Socorro ISD	85,540,000	U/L Tax Sch Bldg Bds Ser 2020
04/29/2020	Blue Ridge ISD	7,155,000	U/L Tax Ref Bds Ser 2020	02/26/2020	La Poynor ISD	6,610,000	U/L Tax Ref Bds Ser 2020
04/29/2020	Channelview ISD	26,735,000	U/L Tax Ref Bds Ser 2020	02/25/2020	Midway ISD [McLennan]	125,395,000	U/L Tax Sch Bldg Bds Ser 2020
04/29/2020	Royse City ISD	8,825,000	U/L Tax Ref Bds Ser 2020	02/25/2020	Coupland ISD	4,550,000	U/L Tax Sch Bldg Bds Ser 2020
04/28/2020	Keene ISD	10,765,000	U/L Tax Ref Bds Ser 2020	02/19/2020	Sinton ISD	15,165,000	U/L Tax Ref Bds Taxable Ser 2020A
04/28/2020	Deer Park ISD	26,605,000	U/L Tax Sch Bldg Bds Ser 2020	02/19/2020	Nacogdoches ISD	7,815,000	U/L Tax Ref Bds Ser 2020
04/28/2020	George West ISD	6,260,000	U/L Tax Ref Bds Ser 2020	02/18/2020	Alto ISD	9,930,000	U/L Tax Sch Bldg Bds Ser 2020
04/28/2020	Brock ISD	25,043,438	U/L Tax Sch Bldg & Ref Bds Ser 2020	02/18/2020	Columbia-Brazoria ISD	10,190,000	U/L Tax Sch Bldg Bds Ser 2020
04/27/2020	Fort Bend ISD	167,050,000	U/L Tax Ref Bds Ser 2020	02/18/2020	San Benito CISD	8,470,000	U/L Tax Sch Bldg Bds Ser 2020
04/27/2020	West Oso ISD	6,785,000	U/L Tax Sch Bldg & Ref Bds Ser 2020	02/18/2020	Bridgeport ISD	14,560,000	U/L Tax Ref Bds Ser 2020
04/23/2020	Nixon-Smiley CISD	2,210,000	U/L Tax Ref Bds Ser 2020	02/13/2020	Cleveland ISD	114,155,000	U/L Tax Sch Bldg Bds Ser 2020A
04/22/2020	Port Neches-Groves ISD	64,225,000	U/L Tax Sch Bldg Bds Ser 2020	02/13/2020	Manor ISD	181,715,000	U/L Tax Sch Bldg Bds Ser 2020
04/22/2020	Canyon ISD	83,740,000	U/L Tax Sch Bldg Bds Ser 2020	02/12/2020	El Paso ISD	17,390,000	Var Rate Mtc Tax Notes Ser 2020
04/22/2020	San Diego ISD	3,950,000	U/L Tax Ref Bds Ser 2020	02/11/2020	Del Valle ISD	109,150,000	U/L Tax Sch Bldg Bds Ser 2020
04/21/2020	Hico ISD	1,930,000	U/L Tax Ref Bds Ser 2020	02/11/2020	United ISD	95,255,000	U/L Tax Ref Bds Taxable Ser 2020
04/21/2020	Caddo Mills ISD	2,210,000	U/L Tax Ref Bds Ser 2020A	02/10/2020	Sunray ISD	8,855,000	U/L Tax Sch Bldg Bds Ser 2020A
04/21/2020	Crane ISD	3,440,000	U/L Tax Ref Bds Ser 2020	02/10/2020	Joaquin ISD	3,550,000	U/L Tax Sch Bldg & Ref Bds Ser 2020
							<u> </u>
04/21/2020	Katy ISD	141,240,000	U/L Tax Sch Bldg Bds Ser 2020	02/10/2020	Sunray ISD	1,460,000	U/L Tax Ref Bds Taxable Ser 2020B
04/21/2020	Taft ISD	8,860,000	U/L Tax Ref Bds Ser 2020	02/06/2020	Dime Box ISD	2,900,000	U/L Tax Sch Bldg Bds Ser 2020
04/20/2020	Tomball ISD	108,355,000	U/L Tax Sch Bldg Bds Ser 2020	02/06/2020	Arlington ISD	273,790,000	U/L Tax Sch Bldg & Ref Bds Ser 2020
04/20/2020	Weimar ISD	8,100,000	U/L Tax Sch Bldg Bds Ser 2020	02/05/2020	Waller ISD	205,805,000	U/L Tax Sch Bldg Bds Ser 2020
04/16/2020	Klein ISD	139,510,000	U/L Tax Schhse & Ref Bds Ser 2020	02/05/2020	Dilley ISD	20,335,000	U/L Tax Ref Bds Taxable Ser 2020
04/16/2020	Anna ISD	18,835,000	U/L Tax Ref Bds Ser 2020	02/04/2020	Lufkin ISD	24,435,000	U/L Tax Sch Bldg Bds Ser 2020
04/16/2020	Waxahachie ISD	18,825,000	U/L Tax Ref Bds Ser 2020	02/04/2020	Forney ISD	65,200,000	U/L Tax Sch Bldg Bds Ser 2020
04/15/2020	Rice ISD	7,905,000	U/L Tax Ref Bds Ser 2020	02/04/2020	McAllen ISD	24,010,000	Mtc Tax Notes Ser 2020
04/15/2020	Burleson ISD	17,700,000	U/L Tax Ref Bds Ser 2020	<b>February Subto</b>	otal	\$1,436,230,000	
04/15/2020	Pearsall ISD	10,370,000	U/L Tax Sch Bldg Bds Ser 2020	Total		\$3,531,928,438	

Section 2



## Outstanding Debt Profile ("A / A")

#### **South San Antonio ISD Debt Profile**

	Issued	Outstanding	Coupon Range of	First	Final		
Issue	Par Amount	Par Amount	Callable Bonds	Call Date	Maturity	Structure	Use of Proceeds
U/L Tax Sch Bldg Bds Ser 2005	\$40,500,000	\$7,510,000	N/A	N/A	08/15/2030	Fixed Rate	School Building
U/L Tax Sch Bldg Taxable Ser 2010 (BABs)	26,095,000	26,095,000	4.607% - 5.740%	08/15/2020	08/15/2037	Fixed Rate	School Building
U/L Tax Sch Bldg QSCB Taxable Ser 2010	9,785,000	9,785,000	N/A	N/A	08/15/2027	Fixed Rate	School Building
U/L Tax Sch Bldg Bds Ser 2010	22,116,909	20,391,041	N/A	N/A	08/15/2035	Fixed Rate	School Building
U/L Tax Ref Bds Ser 2011	8,684,990	629,990	3.000%	02/15/2021	08/15/2023	Fixed Rate	Refunding
U/L Tax Ref Bds Ser 2012	8,390,000	6,365,000	3.000% - 3.250%	08/15/2020	08/15/2031	Fixed Rate	Refunding
U/L Tax Taxable Ref Bds Ser 2012A	24,815,000	4,350,000	N/A	N/A	08/15/2022	Fixed Rate	Refunding
U/L Tax Ref Bds Ser 2013	18,815,000	9,675,000	3.000% - 4.000%	08/15/2023	08/15/2035	Fixed Rate	Refunding
U/L Tax Ref Bds Ser 2014	25,835,000	25,510,000	4.000% - 5.000%	08/15/2024	08/15/2037	Fixed Rate	Refunding
U/L Tax Ref Bds Ser 2019A	11,460,000	11,460,000	N/A	N/A	08/15/2029	Fixed Rate	Refunding
U/L Tax Ref Bds Ser 2019C	9,185,000	9,185,000	N/A	N/A	08/15/2029	Fixed Rate	Refunding
U/L Tax Ref Bds Taxable Ser 2019B	18,360,000	18,360,000	4.000%	08/15/2030	08/15/2034	Fixed Rate	Refunding
Total	\$224,041,899	\$149,316,031					

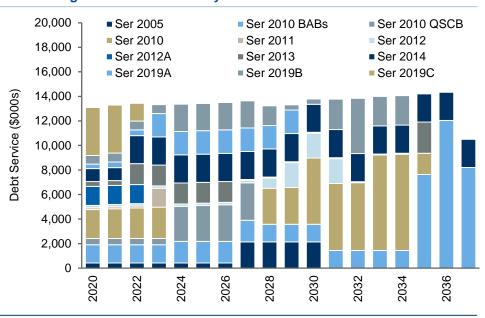
**Refunding Candidates** 

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#### **Outstanding Unlimited Tax Debt by Principal & Interest**

#### 20,000 Principal Interest 18,000 16,000 Debt Service (\$000s) 14,000 12,000 10,000 8,000 6,000 4,000 2,000 2022 2026 2028 2030 2032 2036 2024 2034

#### **Outstanding Unlimited Tax Debt by Series**



#### **Preliminary Refunding Analysis**

**Summary of Assumptions** 

Current refunding of the District's Unlimited Tax Refunding Bonds, Series 2012 debt on a <u>tax-exempt</u> basis to create level debt service savings in years 2021 – 2031. The refunding assumes current PSF rates with the District's underlying "A/A" ratings. The refunding bonds have substantially the same structure, maturity, and debt service schedule as the refunded bonds with a delivery date of August 5, 2020.

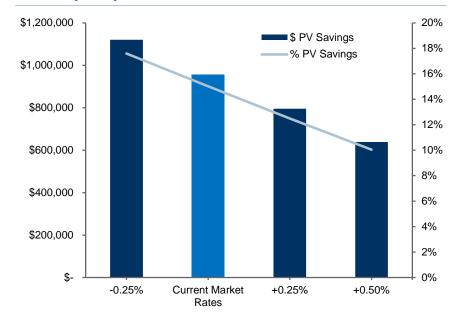
#### **Refunding Candidates**

	Maturities	Refunded	Coupon	Call	Call
Series	to be Refunded	Par Amount	Range	Date	Price
U/L Tax Ref Bds Ser 2012	2028 - 2031	\$6,365,000	3.000% - 3.250%	08/15/2020	100.00%
Total		\$6,365,000			

#### **Refunding Results**

Delivery Date	08/05/2020
Refunded Par Amount	\$6,365,000
Average Coupon of Refunded Bonds	3.09%
All-In TIC	1.47%
Arbitrage Yield	1.15%
Escrow Yield	0.00%
Net Debt Service Savings	\$1,050,888
Average Annual Debt Service Savings	\$95,535
Present Value Savings	\$955,851
PV Savings as % of Refunded Par	15.02%
Negative Arbitrage	\$0
Negative Arbitrage as % of PV Savings	0.00%

#### **Sensitivity Analysis**



Preliminary; subject to change.

## **Preliminary Calendar of Events**



#### Unlimited Tax Refunding Bonds, Series 2020 Preliminary Timeline of Events

June							
S	М	T	W	T	F	S	
	1	2	3	4	5	6	
	_	-	10			_	
14	15	16	17	18	19	20	
21	22	23	24	25	26	27	
28	29	30					



	August							
S	М	T	W	T	F	S		
						1		
			5					
9	10	11	12	13	14	15		
16	17	18	19	20	21	22		
23	24	25	26	27	28	29		
30	31							

	September						
S	М	T	W	Т	F	S	
		1	2	3	4	5	
6	7	8	9	10	11	12	
13	14	15	16	17	18	19	
20	21	22	23	24	25	26	
27	28	29	30				

Date	Action
10-Jun-20	Preliminary Capital Plan circulated
17-Jun-20	Board Meeting - Approve Bond Parameters
19-Jun-20	Submit PSF application
24-Jun-20	Distribute 1st Draft of POS to financing team and rating agency
01-Jul-20	Receive comments on 1st draft of POS
02-Jul-20	Rating agencies provide questions for rating meeting
07-Jul-20	Distribute 2nd Draft of POS to financing team
08-Jul-20	Responses to rating questions submitted
09-Jul-20	Rating meeting
14-Jul-20	Receive comments on 2nd draft of POS
15-Jul-20	Board Meeting
15-Jul-20	Due diligence call with underwriters
16-Jul-20	Receive rating
17-Jul-20	Final POS Posted
22-Jul-20	Targeted Bond Pricing
23-Jul-20	Distribute Draft Final Official Statement ("FOS") for Comments
28-Jul-20	Submit documents to Attorney General for approval
28-Jul-20	Receive comments, finalize & distribute FOS
12-Aug-20	Bond Closing
19-Aug-20	Board Meeting

Preliminary; subject to change.

Maintenance & Operation Tax - New Money Bond Considerations
Section 3



#### **Time Warrants**

#### **Authority**

Pursuant to Section 45.103 of the Texas Education Code, Texas school districts are granted the ability to issue Interest Bearing Time Warrants ("Warrants") to finance real and personal property. Voter approval is **not** required for the issuance of Warrants.

#### Security

Warrants are payable from anticipated surplus maintenance taxes of the District. Payment in any year may not exceed the anticipated surplus income of the District for the year in which the Warrants are issued, based on the budget of the District for said year.

#### **Purpose**

Proceeds of Warrants may be used to construct, purchase, repair, renovate, and equip school buildings.

#### **Term**

• The maximum maturity of the Warrants is 15 years.

#### **Timing**

School districts may issue Warrants at any time throughout the year. The District will receive the proceeds approximately 30 days after approval by the Board of Trustees.

#### Rating

Warrants are sold based upon the District's underlying credit rating, as they do not qualify for the Permanent School Fund Guarantee.

#### **Benefits**

- Provides District with ability to finance real property without need for voter approval.
- Legislation was enacted that extended the amortization from 5 to 15 years and increased the maximum amount from \$500,000 to \$1,000,000 in 2013.

#### Maintenance Tax Notes

#### **Authority**

Pursuant to Section Section 45.108 of the Texas Education Code, as amended, Texas school districts are authorized to issue Maintenance Tax Notes (the "Notes"). Voter approval is <u>not</u> required for the issuance of Maintenance Tax Notes.

#### Security

• The Notes are payable from a continuing, direct ad valorem tax levied for maintenance and operations purposes (M&O tax). Most school districts are limited in the amount of maintenance and operation tax rate that they may levy. Budgetary considerations need to be made prior to issuing the Notes.

#### **Purpose**

Notes may be issued to pay any lawful expenditure of the school district (other than debt service on bonds), including costs incurred in connection with the maintenance, repair, rehabilitation, or replacement of heating, air conditioning, water, sanitation, roofing, electric, or other building systems of existing school properties; however, Notes may not be used for the construction of school buildings or additions to existing buildings. Notes may be issued to renovate an existing school facility. Also, such Notes may be issued for the payment of any lawful operations and maintenance expenditures.

#### **Term**

The maximum maturity of the Notes is 20 years.

#### **Timing**

School districts may issue Notes at any time throughout the year. The school district will receive the proceeds from the sale approximately 30 days after the approval by the Board of Trustees

#### Rating

The Notes are <u>not PSF eligible</u> and sold based upon the issuer's credit rating for general obligation debt, but may be enhanced by a credit enhancement policy in the form of bond insurance.

#### **Benefits**

- Relieves budget constraints by financing certain maintenance expenditures over their useful life, in comparison to paying as you go from current operating funds or depleting fund balance.
- Simplifies financing process as maintenance needs can be financed expeditiously without the necessity (or expense) of an election, etc. in contrast to traditional tax bond financings which require an election.
- May be refinanced by Limited Tax Bonds which are payable from a pledge of Interest & Sinking Fund taxes. The refinancing, however, is subject to voter approval.

#### **Revenue Bonds**

#### **Authority**

Pursuant to Section 130.123 of the Texas Education Code, Texas school districts are granted the ability to issue Revenue Bonds ("Revenue Bonds"). Voter approval is <u>not</u> required for the issuance of Revenue Bonds.

#### **Security**

• Subject to satisfaction of and compliance with terms and conditions of any previously issued Revenue Bonds, Revenue Bonds are payable from and secured by all or any part of the revenues from any rentals, rates, charges, fees or other resources of the district's governing board. The district's board of trustees is also authorized to secure the Revenue Bonds by a pledge of (i) tuition charges in an amount not exceeding 25 percent of the tuition collected from each enrolled student, and (ii) to the extent not otherwise restricted, all or part of any grant, donation, or income received or to be received from the United States government or any other public or private source. Pursuant to Section 130.125 of the Texas Education Code, school districts may enter into credit agreements to provide additional security for Revenue Bonds.

#### **Purpose**

• Proceeds of the Revenue Bonds may be used to acquire, purchase, construct, improve, enlarge, equip, operate, and/or maintain any property, buildings, structures, activities, operations, or facilities, of any nature, for and on behalf of the school district.

#### **Timing**

• School districts may issue Revenue Bonds at any time throughout the year. The school district will receive the proceeds from the sale approximately 30 days after the approval by the Board of Trustees.

#### Rating

• Revenue Bonds are <u>not PSF eligible</u> and sold based upon the issuer's credit rating for revenue secured debt. Bond insurance may be purchased to enhance the credit rating for the Bonds.

#### **Benefits**

- Permits (but does not require) capital improvements to be financed with revenues generated from facilities being financed. In addition, various revenue sources may be combined to leverage and enhance credit (as compared to any single revenue source).
- Does not require an increase in ad valorem tax levy to support repayment.
- Absence of election requirement provides greater flexibility in planning for and structuring bond issue.

## Maintenance Tax Notes, Series 2020

#### **Preliminary Debt Service Comparison**

FYE	\$10MM	\$15MM	\$20MM
(8/31)	Project Fund	Project Fund	Project Fund
2021	\$628,190	\$940,748	\$1,252,909
2022	632,700	945,000	1,251,900
2023	628,450	943,750	1,253,900
2024	628,700	941,500	1,254,400
2025	628,200	943,250	1,253,400
2026	631,950	943,750	1,255,900
2027	629,700	943,000	1,256,650
2028	631,700	941,000	1,255,650
2029	627,700	942,750	1,252,900
2030	627,950	943,000	1,253,400
2031	632,200	941,750	1,251,900
2032	629,600	940,550	1,252,100
2033	631,400	943,350	1,255,900
2034	632,400	939,950	1,253,100
2035	632,600	940,550	1,253,900
2036	632,000	939,950	1,253,100
2037	630,600	943,150	1,255,700
2038	628,400	939,950	1,256,500
2039	631,150	944,150	1,252,000
2040	628,300	942,450	1,256,600
Total	\$12,603,890	\$18,843,548	\$25,081,809

■ In 1993, South San Antonio ISD issued M&O tax debt in the amount of \$1,375,000 with a 5-year amortization schedule.

#### **Bond Summary Statistics**

	\$10MM	\$15MM	\$20MM
	Project Fund	Project Fund	Project Fund
Delivery Date	08/15/2020	08/15/2020	08/15/2020
Project Fund	\$10,000,000	\$15,000,000	\$20,000,000
Par Amount	\$8,630,000	\$12,905,000	\$17,175,000
Total Debt Service	\$12,603,890	\$18,843,548	\$25,081,809
Average Debt Service	\$630,195	\$942,177	\$1,254,090
Maximum Debt Service	\$632,700	\$945,000	\$1,256,650
Average Life (Years)	11.916	11.908	11.914
All-In TIC	2.319%	2.283%	2.267%

#### **Rating Grid**

		S&P	Fitch
Highest Quality		AAA	AAA
		AA+	AA+
High Grade / High Quality		AA	AA
		AA-	AA-
		A+	A+
Upper Medium Grade	<u> </u>	Α	Α
	N N	A-	A-
	F	BBB+	BBB+
Minimum Investment Grade	ting	BBB	BBB
	Rai	BBB-	BBB-
	Credit Rating Levels	BB+	BB+
	Cre	BB	BB
Speculative Grade		BB-	BB-
		B+	B+
		В	В
		B-	B-
Highly Speculative Grade		CCC (+,-), CC or C	CCC (+,-), CC or C
Imminent default or in default		SD or D	SD or D

South San Antonio ISD's Underlying Credit Rating

## Disclaimer

Sources include: <a href="https://www.rbccm.com/assets/rbccm/docs/uploads/2017/RBCCM\_Muni\_Markets\_Weekly\_Newsletter.pdf">https://www.rbc.com/assets/rbccm/docs/uploads/2017/RBCCM\_Muni\_Markets\_Weekly\_Newsletter.pdf</a>, <a href="https://www.rbc.com/economics/">https://www.rbc.com/economics/</a>, RBC Capital Markets.

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