

Monthly Investment Report March 31, 2020

PATTERSON & ASSOCIATES







Whatever It Takes - Shut It Down

Events and economic numbers continue to change day by day in response to the impact of the corona virus 19 and will continue to do so, but we can summarize what has happened this month:

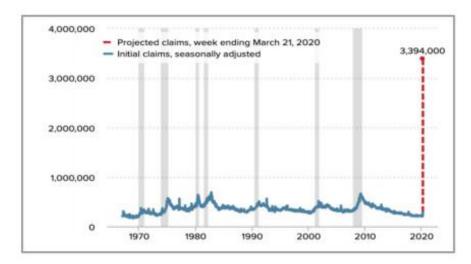
- The COVID-19 has spread rapidly and continues to spread globally
- Markets have moved to a risk-on position globally (go to safety)
- Corporate credit spreads widen as faith in companies falters
- Oil falls as main players refuse to play well in the sand box
- The USD appreciates 4.1%+ as investors run to safety
- China slows and supply chains grind slower
- The Federal Reserve opens the liquidity floodgates
- Congress passes a \$1T assistance bill

First and foremost this is a human tragedy. It presents a double edged sword. We must shut-down the economy to save lives but we have to get people support and ultimately get them back to work. The jobless claims for March exploded to 3.28 million, which was expected as entire sectors of the economy shut-down. The numbers could be greater if system overload prohibited everyone from signing up.

The longer the shut-down the more drastic the result as temporary layoffs evolve into permanent closures. Congress finally acted, after tiresome political bickering, which wasted precious days.

We now have an assistance \$1T bill to aid taxpayers, small business, the healthcare system, and corporations (which represents a 60% trickle-down to suppliers and workers). It is a worthwhile patch amounting to about 10% of GDP and because it adds the liquidity needed for people and business and builds faith in a recovery. It almost replaces the \$900 million estimated to be lost by the shutdown. It is part of an entire effort to fight this insidious malady.





Fed Versus the Virus - Round One



The Federal Reserve has taken a 'whatever it takes' posture in the fight. In an unexpected emergency rate cut mid-month, the Fed cut overnight rates by 0.50% followed quickly by a full 1.0% cut. We sit now at 0.25% in overnight rates. All of the Fed moves are designed to provide economic fuel. The fuel in this case is liquidity.

Natural personal and economic fear has manifested itself from the hoarding of TP in stores to a panic selling out of any securities anticipated to be felled by the slowdown. Nothing panics people or markets more than not being able to get to their money i.e., liquidity risk. As a result, true *blue chip* companies were desperate to retain open lines of short-term liquidity. That is why CP rates sky-rocketed. Not because of risk in the companies themselves, but the companies' willingness to pay anything for short-term liquidity to pay people and keep lines running. It was not a phenomenon to fear but to take advantage of.

The Fed has, as some have put it, opened its lending through QE "to infinity and beyond" (as Buzz Lightyear said). It has literally set no limit for this program. These are not loans but facilities to provide liquidity as fear closes. Treasury has echoed the move.

The Fed has multiple funding facilities which it is fueling in order not to have to set up a whole new structure – and because these work. It is putting credit into the system. Their money market funding facilities (MMLF) is a key program because it funds the markets. The borrowers are banks, major dealers, and US branches of foreign banks. The funds can then be moved further down to consumers and business. As time passes and the virus continues, prepare to see more. It should also bring rates into some normalcy.



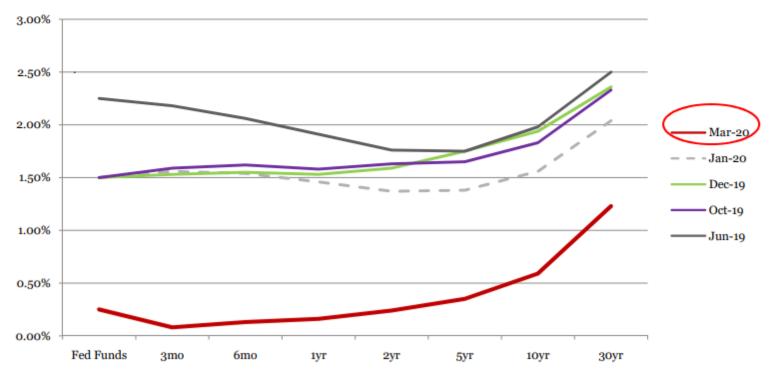
The volatility this past month in all markets – and especially the stock markets - has been extreme and does tend to portend a doomsday scenario, but it is well to remember some of the underlying causes for such extreme action. Much of the daily trading is now controlled by algorithms and these calculate buy and sell levels based on the 'channels' created by the price action. As that action widens the channels, the swings get or stay in wide channels kicking in buys and sells not based on human views but on math. In addition, as some securities have been downgraded, funds – with investment policies like yours – have to act to sell. Of course there is one more very human trait driving the volatility. To take advantage of the swings, active traders naturally buy low and sell high, making money on the swings. This is not a time to get into the action. Hang on, buy value and we will get through it.



INVESTMENT PROFESSIONALS

This is more than anyone expected

- To say this month's moves are dramatic is to state the obvious. The fear in the markets has caused Treasury and agency rates to plummet.
- Fear increases the demand for safe havens and the safest are the U.S. Treasury and the USD dollar, both of which have risen markedly from US and international investors. The action drives the price up and therefore the rates go down.
- One area slow to move has been the tax—free municipal bonds, so local governments bonds look very attractive.
- We have discussed above why the CP markets also soared in rates this month: need for short-term liquidity for the companies. As soon as the Fed's spigots opened on credit facilities, the rates immediately began to fall and very well known names (Ford, Toyota, Coca Cola, etc.) have already left the CP market.
- Expect rates to stay low for at least the next several months as the globe fights and destroys this virus. The GDP has continued to increase, showing a strong underlying economy that will bring rates back up again, whether in a U or V recovery we will see.



End of Month Rates - Full Yield Curve - Fed Funds to 30yr

Collin County Community College District Monthly Investment Report March 1, 2020 - March 31, 2020

Portfolio Summary Management Report

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Beginning Book Value \$416,333,318 Ending Book Value \$ 389,458,130 Beginning Market Value \$ 416,336,981 Ending Market Value \$ 389,458,130

> Unrealized Gain/Loss 0

Portfolio as of 03/31/20:

WAM at Beginning Period Date1 WAM at Ending Period Date1 10 days 19 days

(Decrease in market value is due to seasonal cash outflows) Change in Market Value² \$ (26,878,851)

> Average Yield to Maturity for period 1.239% Average Yield 3 Month Treasury Bill for period 0.340%

Steven Bassett, Chief Financial Officer Collin County Community College District

Barbara Johnston, Associate V.P. Collin County Community College District

Julie Bradley, Associate V.P. - Controller Collin County Community College District

¹ WAM – weighted average maturity

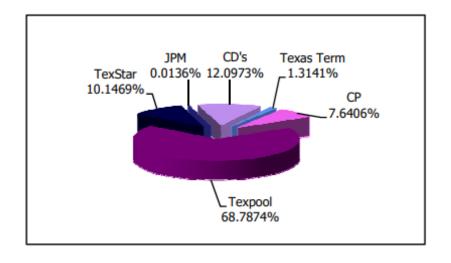
^{2 &}quot;Change in Market Value" is required data, but will primarily reflect the receipt and expenditure of the District's funds from month to month. Patterson & Associates has assisted in the preparation of this consolidated investment report, with additional input provided by CCCCD.

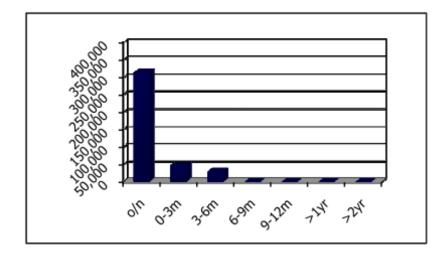
Your Portfolio

P&A

As of March 31, 2020

- P&A constantly reviews your portfolio for optimal asset allocation and a controlled average maturity because a
 diversified portfolio can better adjust to volatile market conditions.
- The graphs below show asset allocations by market sector and by maturity. They do reflect our ongoing anticipation of lower rates into 2020. These rate cuts and the potential of more decreasing rates indicates the need to extend portfolios. Extending now will lock in yields even though rates may decrease and provides for extra safety.
- The non-cash portion of your portfolio is yielding 2.21%.







Collin Co Comm College Dist. Portfolio Management Portfolio Summary March 31, 2020

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Investments	Par Value	Market Value	Book Value	% of Portfolio	Term	Days to Maturity	YTM 365 Equiv.
Commercial Paper DiscAmortizing	30,000,000.00	29,757,486.12	29,757,486.12	7.64	166	160	1.806
TexStar	39,517,797.96	39,517,797.96	39,517,797.96	10.15	1	1	0.957
Texpool	267,898,191.29	267,898,191.29	267,898,191.29	68.79	1	1	1.003
JPMorgan Chase	52,751.09	52,751.09	52,751.09	0.01	1	1	0.000
CD's - Interest Monthly/Quarterly	47,113,633.75	47,113,633.75	47,113,633.75	12.10	366	49	2.460
Texas Term	5,118,269.61	5,118,269.61	5,118,269.61	1.31	1	1	1.200
Investments	389,700,643.70	389,458,129.82	389,458,129.82	100.00%	58	19	1.239

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Total Earnings	March 31 Month Ending	Fiscal Year To Date
	414,308.32	4,194,102.45

Steven Bassett, Chief Financial Officer

Collin Co Comm College Dist. Summary by Type March 31, 2020 Grouped by Fund

Security Type	Num Invest	ber of ments	Par Value	Book Value	% of Portfolio	Average YTM 365	Average Days to Maturity
Fund: Building							
Texpool		1	32,428,410.11	32,428,410.11	8.33	1.003	1
TexStar		1	28,216,987.73	28,216,987.73	7.25	0.957	1
	Subtotal	2	60,645,397.84	60,645,397.84	15.58	0.982	1
Fund: 2018 Bond Series							
Texpool	3.5	1	0.00	0.00	0.00	0.000	0
	Subtotal	1	0.00	0.00	0.00	0.000	0
Fund: Debt Service							
Texas Term		1	20.48	20.48	0.00	1.200	1
Texpool		1	15,414,490.82	15,414,490.82	3.96	1.003	-1
	Subtotal	2	15,414,511.30	15,414,511.30	3.96	1.003	
Fund: Operating							
CD's - Interest Monthly/Quarterly		1	47,113,633.75	47,113,633.75	12.10	2.460	49
JPMorgan Chase		1	52,751.09	52,751.09	0.01	0.000	1
Commercial Paper DiscAmortizing		3	30,000,000.00	29,757,486.12	7.64	1.806	160
Texas Term		1	5,118,249.13	5,118,249.13	1.31	1.200	1
Texpool		1	157,255,246.60	157,255,246.60	40.38	1.003	1
TexStar		1	11,300,810.23	11,300,810.23	2.90	0.957	1
	Subtotal	8	250,840,690.80	250,598,176.92	64.34	1.374	29
Fund: Stabilization							
Texpool	.06	1	62,800,043.76	62,800,043.76	16.12	1.003	1
	Subtotal	1	62,800,043.76	62,800,043.76	16.12	1.003	1
Total	and Average	14	389,700,643.70	389,458,129.82	100.00	1.239	19



Collin Co Comm College Dist. Fund BLDG - Building Investments by Fund March 31, 2020

			Purchase				Current	YTM	YTM	Maturity Days To
CUSIP	Investment #	Issuer	Date	Book Value	Par Value	Market Value	Rate	360	365	Date Maturity
TexStar										
2450	10007	TexStar	02/01/2016	28,216,987.73	28,216,987.73	28,216,987.73	0.957	0.943	0.957	1
			Subtotal and Average	28,216,987.73	28,216,987.73	28,216,987.73		0.944	0.957	1
Texpool										
700001	10009	Texpool	02/01/2016	32,428,410.11	32,428,410.11	32,428,410.11	1.003	0.989	1.003	1
			Subtotal and Average	32,428,410.11	32,428,410.11	32,428,410.11		0.990	1.003	1
			Total Investments and Average	60,645,397.84	60,645,397.84	60,645,397.84	·	0.968	0.982	1

Fund BOND18 - 2018 Bond Series Investments by Fund March 31, 2020

			Purchase				Current	YTM	YTM	Maturity Days To
CUSIP	Investment #	Issuer	Date	Book Value	Par Value	Market Value	Rate	360	365	Date Maturity
Texpool										
700006	10067	Texpool	04/12/2018	0.00	0.00	0.00	_			1
			Subtotal and Average	0.00	0.00	0.00		0.000	0.000	0
			Total Investments and Average	0.00	0.00	0.00		0.000	0.000	0

Fund DS - Debt Service Investments by Fund March 31, 2020

CUSIP	Investment #	Issuer	Purchase Date	Book Value	Par Value	Market Value	Current Rate	YTM 360	YTM 365	Maturity Days To Date Maturity
Texpool										
700004	10010	Texpool	02/01/2016	15,414,490.82	15,414,490.82	15,414,490.82	1.003	0.989	1.003	1
			Subtotal and Average	15,414,490.82	15,414,490.82	15,414,490.82		0.990	1.003	1
Texas Term										
1291-01	10141	TexasDAILY	02/04/2019	20.48	20.48	20.48	1.200	1.183	1.200	1
			Subtotal and Average	20.48	20.48	20.48		1.184	1.200	1
			Total Investments and Average	15.414.511.30	15.414.511.30	15.414.511.30		0.990	1.003	1

Fund OPER - Operating Investments by Fund March 31, 2020

CUSIP	Investment #	Issuer	Purchase Date	Book Value	Par Value	Market Value	Current Rate	YTM 360	YTM 365	Maturity Da Date Ma	
Commercial Pa	per DiscAmortizi	ng								,	
03785DHE9	10159	Apple Inc CP	03/26/2020	9,960,625.00	10,000,000.00	9,960,625.00		1.054	1.068	08/14/2020	135
19121AJJ1	10158	Coca Cola CP	03/24/2020	9,903,194.45	10,000,000.00	9,903,194.45		2.070	2.099	09/18/2020	170
71344TJN3	10160	Pepsico CP	03/26/2020	9,893,666.67	10,000,000.00	9,893,666.67		2.224	2.255	09/22/2020	174
			Subtotal and Average	29,757,486.12	30,000,000.00	29,757,486.12		1.782	1.806		159
TexStar											
5450	10008	TexStar	02/01/2016	11,300,810.23	11,300,810.23	11,300,810.23	0.957	0.943	0.957		1
			Subtotal and Average	11,300,810.23	11,300,810.23	11,300,810.23		0.944	0.957		1
Texpool											
700003	10011	Texpool	02/01/2016	157,255,246.60	157,255,246.60	157,255,246.60	1.003	0.989	1.003		1
			Subtotal and Average	157,255,246.60	157,255,246.60	157,255,246.60		0.990	1.003		1
JPMorgan Cha	se										
7828	10012	JPMorgan Chase Commercial Chi	kg 02/01/2016	52,751.09	52,751.09	52,751.09					1
			Subtotal and Average	52,751.09	52,751.09	52,751.09		0.000	0.000		1
CD's - Interest	Monthly/Quarterly										
172128542	10157	East West Bank	05/20/2019	47,113,633.75	47,113,633.75	47,113,633.75	2.460	2.426	2.460	05/20/2020	49
			Subtotal and Average	47,113,633.75	47,113,633.75	47,113,633.75		2.426	2.460	_	49
Texas Term											
1291-00	10142	TexasDAILY	02/06/2019	5,118,249.13	5,118,249.13	5,118,249.13	1.200	1.183	1.200		1
			Subtotal and Average	5,118,249.13	5,118,249.13	5,118,249.13		1.184	1.200		1
		Total Inv	estments and Average	250,598,176.92	250,840,690.80	250,598,176.92		1.355	1.374		28

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Fund STABL - Stabilization Investments by Fund March 31, 2020

CUSIP	Investment #	Issuer	Purchase Date	Book Value	Par Value	Market Value	Current Rate	YTM 360	YTM 365	Maturity Days To Date Maturity
Texpool										
700005	10050	Texpool	01/24/2018	62,800,043.76	62,800,043.76	62,800,043.76	1.003	0.989	1.003	1
			Subtotal and Average	62,800,043.76	62,800,043.76	62,800,043.76		0.990	1.003	1
			Total Investments and Average	62,800,043.76	62,800,043.76	62,800,043.76		0.990	1.003	1



Collin Co Comm College Dist. Cash Reconciliation Report For the Period March 1, 2020 - March 31, 2020 Grouped by Fund

Trans.			Trans.		Par		Maturity				
Date	Investment #	Fund	Type	Security ID	Value	Security Description	Date	Purchases	Interest	Redemptions	Cash
Operating	g										
03/24/2020	10158	OPER	Purchase	19121AJJ1	10,000,000.00	COCA 10.0M 0.00% Mat. 09/18/20	20 09/18/2020	-9,898,638.89	0.00	0.00	-9,898,638.89
03/26/2020	10159	OPER	Purchase	03785DHE9	10,000,000.00	APPLE 10.0M 0.00% Mat.	08/14/2020	-9,958,875.00	0.00	0.00	-9,958,875.00
03/26/2020	10160	OPER	Purchase	71344TJN3	10,000,000.00	PEPSI 10.0M 0.00% Mat. 09/22/20	20 09/22/2020	-9,890,000.00	0.00	0.00	-9,890,000.00
03/31/2020	10157	OPER	Interest	172128542	46,117,763.39	EWB 46.1M 2.46% Mat. 05/20/202	0 05/20/2020	0.00	98,329.22	0.00	98,329.22
03/31/2020	10157	OPER	Interest	172128542	46,117,763.39	EWB 46.1M 2.46% Mat. 05/20/202	0 05/20/2020	-98,329.22	0.00	0.00	-98,329.22
							Subtotal	-29,845,843.11	98,329.22	0.00	-29,747,513.89
Stabilizat	tion										
03/31/2020	10146	STABL	Interest	912828J84	4,750,000.00	TNOTE 4.8M 1.38% Mat. 03/31/20	20 03/31/2020	0.00	32,656.25	0.00	32,656.25
03/31/2020	10146	STABL	Maturity	912828J84	4,750,000.00	TNOTE 4.8M 1.38% Mat. 03/31/20	20 03/31/2020	0.00	0.00	4,750,000.00	4,750,000.00
							Subtotal	0.00	32,656.25	4,750,000.00	4,782,656.25
							Total	-29,845,843.11	130,985.47	4,750,000.00	-24,964,857.64



Collin Co Comm College Dist. Purchases Report Sorted by Fund - Fund March 1, 2020 - March 31, 2020

			Sec.	Original Purchase	Principal	Accrued Interest Rate at	Maturity		Ending
CUSIP	Investment #	Fund	Type Issuer	Par Value Date Pay	ment Periods Purchased	at Purchase Purchase	Date	YTM	Book Value
Operating									
19121AJJ1	10158	OPER	ACP COCA	10,000,000.00 03/24/2020 09/1	8 - At Maturity 9,898,638.89		09/18/2020	2.071	9,903,194.45
03785DHE9	10159	OPER	ACP APPLE	10,000,000.00 03/26/2020 08/1	4 - At Maturity 9,958,875.00		08/14/2020	1.054	9,960,625.00
71344TJN3	10160	OPER	ACP PEPSI	10,000,000.00 03/26/2020 09/2	2 - At Maturity 9,890,000.00		09/22/2020	2.224	9,893,666.67
			Subtotal	30,000,000.00	29,747,513.89	0.00			29,757,486.12
			Total Purchases	30,000,000.00	29,747,513.89	0.00			29,757,486,12



Collin Co Comm College Dist. Maturity Report Sorted by Maturity Date

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Receipts during March 1, 2020 - March 31, 2020

			Sec.		Maturity	Purchase	Rate	Book Value		Maturity	Net
CUSIP	Investment #	Fund	Type Issuer	Par Value	Date	Date at	Maturity	at Maturity	Interest	Proceeds	Income
912828J8	34 10146	STABL	TRC TNOTE	4,750,000.00	03/31/2020	05/01/2019	1.375	4,750,000.00	32,656.25	4,782,656.25	32,656.25
			Total Maturities	4,750,000.00				4,750,000.00	32,656.25	4,782,656.25	32,656.25



Collin Co Comm College Dist. Interest Earnings Sorted by Fund - Fund March 1, 2020 - March 31, 2020 Yield on Average Book Value

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Adjusted Interest Earnings

CUSIP	Investment #	Fund	Security Type	Ending Par Value	Beginning Book Value	Average Book Value	Maturity Date	Current Rate	Annualized Yield	Interest Earned	Amortization/ Accretion	Adjusted Interest Earnings
Fund: Building												
2450	10007	BLDG	RRP	28,216,987.73	28,194,073.15	28,194,812.33		0.957	0.957	22,914.58	0.00	22,914.58
700001	10009	BLDG	RR2	32,428,410.11	54,797,394.47	54,075,814.33		1.003	1.009	46,358.31	0.00	46,358.31
			Subtotal	60,645,397.84	82,991,467.62	82,270,626.66			0.991	69,272.89	0.00	69,272.89
Fund: Debt Ser	rvice											
700004	10010	DS	RR2	15,414,490.82	13,928,009.53	14,583,206.93		1.003	0.986	12,210.51	0.00	12,210.51
1291-01	10141	DS	RR5	20.48	20.46	20.46		1.200	1.151	0.02	0.00	0.02
			Subtotal	15,414,511.30	13,928,029.99	14,583,227.39			0.986	12,210.53	0.00	12,210.53
Fund: Operatir	ıg											
5450	10008	OPER	RRP	11,300,810.23	11,291,633.03	11,291,929.07		0.957	0.957	9,177.20	0.00	9,177.20
700003	10011	OPER	RR2	157,255,246.60	195,625,669.71	174,468,000.86		1.003	1.031	152,841.32	0.00	152,841.32
7828	10012	OPER	RR3	52,751.09	44,351.38	44,622.34				0.00	0.00	0.00
172128542	10157	OPER	RR4	47,113,633.75	47,015,304.53	47,018,476.44	05/20/2020	2.460	2.462	98,329.22	0.00	98,329.22
1291-00	10142	OPER	RR5	5,118,249.13	5,113,033.11	5,113,201.37		1.200	1.201	5,216.02	0.00	5,216.02
19121AJJ1	10158	OPER	ACP	10,000,000.00	0.00	2,555,148.75	09/18/2020		2.099	0.00	4,555.56	4,555.56
03785DHE9	10159	OPER	ACP	10,000,000.00	0.00	1,927,721.77	08/14/2020		1.069	0.00	1,750.00	1,750.00
71344TJN3	10160	OPER	ACP	10,000,000.00	0.00	1,914,607.53	09/22/2020		2.255	0.00	3,666.67	3,666.67
			Subtotal	250,840,690.80	259,089,991.76	244,333,708.13			1.328	265,563.76	9,972.23	275,535.99
Fund: Stabiliza	tion											
912828J84	10146	STABL	TRC	0.00	4,746,061.98	4,594,932.22	03/31/2020	1.375	2.381	5,353.48	3,938.02	9,291.50
700005	10050	STABL	RR2	62,800,043.76	55,577,767.02	56,813,682.40		1.003	0.995	47,997.41	0.00	47,997.41
			Subtotal	62,800,043.76	60,323,829.00	61,408,614.62			1.098	53,350.89	3,938.02	57,288.91
			Total	389,700,643.70	416,333,318.37	402,596,176.79			1.212	400,398.07	13,910.25	414,308.32



Collin Co Comm College Dist. Amortization Schedule March 1, 2020 - March 31, 2020 Sorted By Fund - Fund

Investment #		Maturity Date Beginning Par Value		Purchase	Original Premium	Amounts Amortized Ending And Unamortized		Amount Amortized	Amt Amortized	tized Amount Unamortized	
Issuer	Fund	Amort. Date	Current Rate	Principal	or Discount	Book Value	And Unamortized As of 03/01/2020	This Period Through 03/31/2020		Through 03/31/2020	
Operating											
10159 Apple Inc CP	OPER	08/14/2020	10,000,000.00	9,958,875.00	-41,125.00	9,960,625.00	0.00 -41,125.00	1,750.00	1,750.00	-39,375.00	
10158 Coca Cola CP	OPER	09/18/2020	10,000,000.00	9,898,638.89	-101,361.11	9,903,194.45	0.00 -101,361.11	4,555.56	4,555.56	-96,805.55	
10160 Pepsico CP	OPER	09/22/2020	10,000,000.00	9,890,000.00	-110,000.00	9,893,666.67	0.00 -110,000.00	3,666.67	3,666.67	-106,333.33	
			Subtotal	29,747,513.89	-252,486.11	29,757,486.12	0.00 -252,486.11	9,972.23	9,972.23	-242,513.88	
Stabilization											
10146 T Note	STABL	03/31/2020	4,750,000.00 1.375	4,706,025.39	-43,974.61	0.00	40,036.59 -3,938.02	3,938.02	43,974.61	0.00	
			Subtotal	4,706,025.39	-43,974.61	0.00	40,036.59 -3,938.02	3,938.02	43,974.61	0.00	
			Total	34,453,539.28	-296,460.72	29,757,486.12	40,036.59 -256,424.13	13,910.25	53,946.84	-242,513.88	



Collin Co Comm College Dist. Projected Cashflow Report Sorted by Monthly

Patterson & Associates 901 S. MoPac Suite 195 Austin, TX 78746

For the Period April 1, 2020 - October 31, 2020

Projected			Transaction	n					
Trans. Date Investment #	Fund	Security ID	Type	Issuer	Par Value	Original Cost	Principal	Interest	Total
August 2020									
08/14/2020 10159	OPER	03785DHE9	Maturity	Apple Inc CP	10,000,000.00	9,958,875.00	10,000,000.00	0.00	10,000,000.00
				Total for August 2020	10,000,000.00	9,958,875.00	10,000,000.00	0.00	10,000,000.00
September 2020									
09/18/2020 10158	OPER	19121AJJ1	Maturity	Coca Cola CP	10,000,000.00	9,898,638.89	10,000,000.00	0.00	10,000,000.00
09/22/2020 10160	OPER	71344TJN3	Maturity	Pepsico CP	10,000,000.00	9,890,000.00	10,000,000.00	0.00	10,000,000.00
				Total for September 2020	20,000,000.00	19,788,638.89	20,000,000.00	0.00	20,000,000.00
				GRAND TOTALS:	30,000,000.00	29,747,513.89	30,000,000.00	0.00	30,000,000.00