

## Quarterly Finance Report and Update on Financial Markets – Through December 2018

### Overview

Staff provides quarterly briefings on the latest developments in the financial markets, economy, sales tax revenues, and the strategies being explored and implemented to minimize possible impacts to the *TransNet* Program; and a quarterly report on investments as required per Board Policy No. 003: Investment Policy.

### Action: **Information**

This quarterly report provides an update on the financial markets, economy, and SANDAG investments and debt.

### Key Considerations

- The local economy is near “full employment,” adding close to 37,000 jobs in the past year, bringing unemployment to a very low 3.2 percent in November 2018, down from 3.5 percent in November 2017.
- The end of 2018 was marked by increasing volatility, brief inversion of the U.S. Treasury yield curve, huge sell-offs in the equity market, continued trade disputes, and a partial government shutdown.
- As was widely anticipated, at the December meeting of the Federal Open Market Committee, officials voted to raise rates for the fourth time in 2018, targeting a range of 2.25 percent to 2.5 percent. In a statement that followed, Federal Reserve (Fed) Chairman Jerome Powel indicated that the Fed would be patient with its policy in 2019, lowering the rate hike estimates to two.
- SANDAG held \$960.6 million in a number of investment accounts as of December 31, 2018. This investment portfolio, together with the authorized short-term Commercial Paper Program, will provide the necessary liquidity to meet expenditure requirements for the next six months.
- SANDAG staff has selected a syndicate of bankers for underwriting services for the sale of Grant Anticipation Notes (GANs), anticipated in early summer 2019. The proceeds from the GANs sale will be used for construction expenses associated with the Mid-Coast Trolley.

### Highlights:

SANDAG held \$960.6 million in several investment accounts as of December 31, 2018.

The San Diego economy is near “full employment,” with the local economy adding close to 37,000 jobs in the past year.

### **Hasan Ikhmeta, Executive Director**

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Attachments:

1. Financial Market Review
2. Local Economy and Sales Tax Revenues
3. SANDAG Investments and Debt Portfolio
4. Investment Quarterly Report

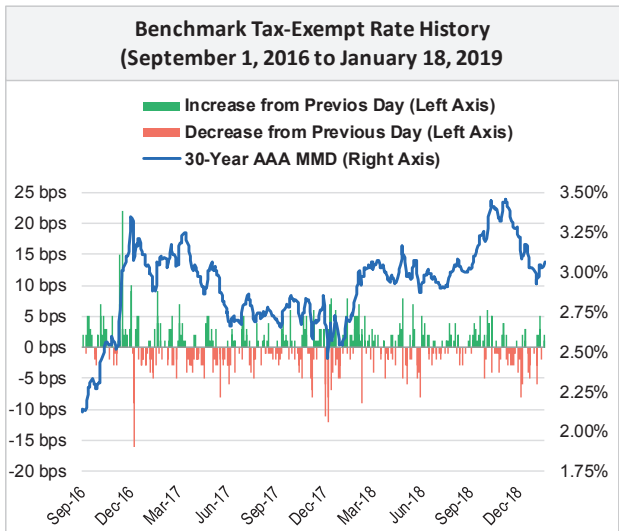
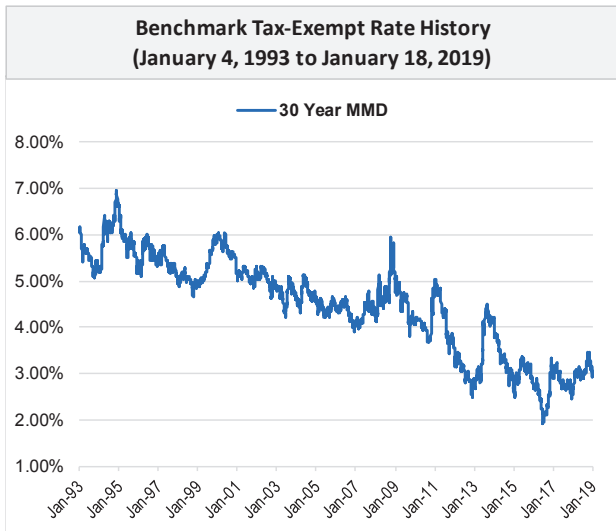
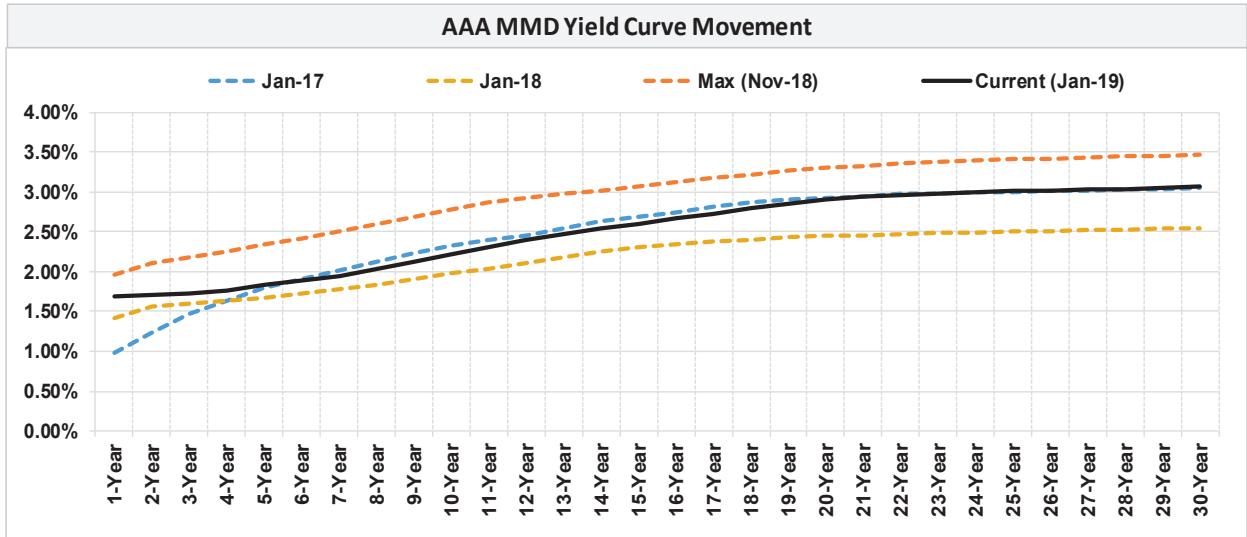
## Financial Market Review

The end of 2018 was marked by increasing volatility, brief inversion of the U.S. Treasury yield curve, huge sell-offs in the equity market, continued trade disputes, and a partial government shutdown. In December, the U.S. Treasury yield curve inverted between two- and five-year maturities for the first time since 2007. Although the latest inversion was short-lived, inversions have been known to precede economic recessions. For now, the treasury yield curve remains near its flattest level in over a decade. Much like the rest of 2018, rates in the final quarter were volatile. While short-term rates rose sharply mirroring the several Federal Open Market Committee (FOMC) rate increases, the longer-term rates have not shared that same momentum. As was widely anticipated, at the FOMC December meeting, officials voted to raise rates for the fourth time in 2018, targeting a range of 2.25 to 2.5 percent. In a statement that followed, Federal Reserve Chairman Jerome Powel indicated that the Fed would be patient with its policy in 2019, lowering the rate hike estimates to two.

The U.S. equity markets plummeted in December. The S&P 500 fell by 20 percent from its September 2018 peak. The poor performance was attributable to lower growth expectations and future uncertainty. Labor market conditions remain strong, adding more than 300,000 jobs in December alone. The unemployment rate rose slightly to 3.9 percent at the end of 2018, as more Americans joined the labor force. The third-quarter Gross Domestic Product (GDP) grew at an annualized rate of 3.4 percent, missing the 3.5 percent estimate by a hair. GDP for the fourth quarter of 2018 is projected to be slower at 2.8 percent. The 2019 GDP growth is expected to be moderate, but remain healthy. The partial government shutdown that lasted 35 days also is expected to have some impact on the overall growth prospects going into 2019. When it comes to sustainable long-term growth, the federal budget deficit and the trade deficit will continue to be areas of concern.

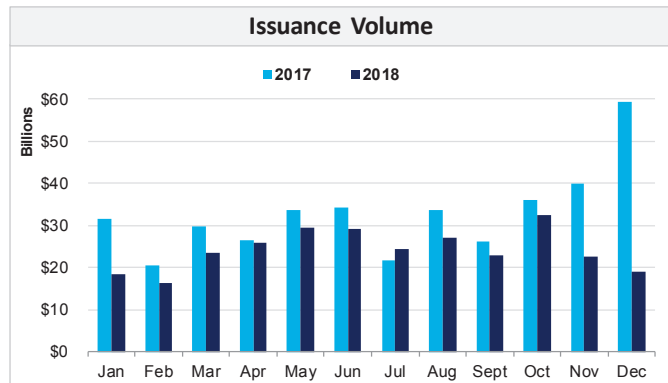
The short-term spending bill to reopen the government through February 15 only is a temporary fix and the border wall continues to be a topic of discussion. Trade talks with China progressed slowly; however, concerns about a trade war continue to weigh on the economy. A disorderly Brexit continues as the U.K. struggles to find a deal that will be approved by Parliament with less than 60 days before the scheduled departure or "exit" date. Italian budget concerns deepened as its banking system lost 30 percent of its market value in 2018, and recovery is anticipated to be slow with the backdrop of political turmoil. These and several other geopolitical risks in the Eurozone and the Middle East continue to affect the national and global markets.

Compared to January 2018, the AAA Municipal Market Data (MMD) index (industry-accepted index for tax-exempt bonds) rose by at least 12 basis points (bps), or 0.12 percent on the short-end of the yield curve and as much as 51 bps or 0.51 percent on the long-end. The current 30-year AAA MMD bond yield is 3.06 percent.



## Municipal Market Supply <sup>1</sup>

Total tax-exempt municipal bond supply for 2018 was \$291.6 billion, down nearly 26 percent compared to 2017. The new tax legislation, which was passed in December 2017 and became effective in January 2018, eliminated the ability to advance refund bonds on a tax-exempt basis. Over the last decade, advance refundings (i.e., refund bonds more than 90 days ahead of their call date) have constituted roughly 20 percent of the tax-exempt market, and the decline in 2018



issuance volume is largely attributable to the loss of tax-exempt advance refundings. SANDAG and all issuers maintain their ability to refund callable bonds on or after their call date.

## Interest Rate Forecasts

The table below provides an average of interest rate forecasts by industry professionals. These are surveyed and compiled by Bloomberg. The two-year United States Treasury (UST) rate is forecast to increase to 2.93 percent by the end of 2019. The ten-year UST rate is forecast to increase to 3.10 percent by the end of 2019. The 30-year UST rate is forecast to increase to 3.36 percent by the end of 2019. The Fed Funds rate is forecast to increase approximately 40 bps through calendar year 2019, and then decrease slightly through 2020, suggesting an eventual rate lowering by the FOMC in 2020.

The Street's Interest Rate Forecast <sup>2</sup>									
Forecast	2019					2020			
	01/22/2019	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
30-Year UST	3.06%	3.12%	3.26%	3.32%	3.36%	3.45%	3.47%	3.46%	3.44%
10-Year UST	2.74%	2.88%	3.01%	3.07%	3.10%	3.14%	3.16%	3.16%	3.15%
2-Year UST	2.59%	2.73%	2.87%	2.91%	2.93%	2.96%	2.97%	2.97%	2.93%
3M London Interbank Offered Rate	2.77%	2.81%	2.96%	3.04%	3.09%	3.12%	3.14%	3.13%	3.08%
Federal Funds Target Rate Upper Bound	2.50%	2.55%	2.75%	2.85%	2.90%	2.90%	2.85%	2.85%	2.80%
Federal Funds Target Rate Lower Bound	2.25%	2.31%	2.51%	2.58%	2.66%	2.63%	2.60%	2.58%	2.56%

<sup>1</sup> Issuance data from Thomson Reuters

<sup>2</sup> Bloomberg survey compilation as of January 22, 2019

## Local Economy and Sales Tax Revenues

The San Diego economy added roughly 37,000 jobs in in the past year, bringing unemployment to a very low 3.2 percent in November 2018, down from 3.5 percent in November 2017.<sup>1</sup> The local economy is near “full employment,” and this has begun to show in both lower numbers of jobs added and in wage growth, as San Diego regional weekly pay grew 2.8 percent in the last year (Q2 2018 – Q2 2017), and more-recent national figures have shown this to be a widespread trend. This recent upturn has led to some growth in consumer spending, as taxable retail sales were up 3.5 percent in FY 2018 versus FY 2017. Consumer spending makes up more than 70 percent of the economy and is a primary driver of sales tax revenue.

In additional metrics, San Diego has continued to attract venture capital, roughly \$2 billion in the last year (through Q3 2018), with the largest amount (well over half) going to healthcare/life sciences firms, as is the norm in San Diego. Construction maintained its pace, adding roughly 10,000 housing units in 2018 for the fourth year in a row. This better pace is still slightly below the number needed to keep pace with population growth (about 12,000). A decade of low construction has led to steadily rising rents and home prices that create a situation where only roughly a quarter of San Diego households could afford a median-priced home. Median home prices in San Diego County hit a record high of \$580,000 in July but have recently backed off slightly both locally and nationally.

*TransNet* revenues have increased 3.1 percent over the last four quarters (Q2 2018 – Q2 2017). Strong gains were seen in the construction (5.3% annual growth) and retail (3%) categories, while all other sectors saw at least 2.4 percent growth. *TransNet* revenues grew 3.53 percent in FY 2018, exceeding expectations by 0.8 percent (\$294.5 million vs. \$292.1 million), and the current approved forecast for FY 2019 is \$300.9 million, which would be roughly 2.2 percent growth.

The following tables provide a breakdown of sales tax collected with a comparison by month for the past two fiscal years and the annual revenue beginning in FY 2009 (first year of the *TransNet* Extension Ordinance):

	FY 2018 Revenue	FY 2019 Revenue		Annual Revenue
July	\$ 19,047,000	\$ 24,659,716		
August	25,396,000	22,950,125	FY 2009	\$ 221,991,360
September	28,962,091	24,709,504	FY 2010	204,191,747
October	19,804,700	31,809,475	FY 2011	221,304,015
November	26,406,200	27,896,830	FY 2012	236,947,112
December	29,269,088	27,056,790	FY 2013	247,221,161
January	20,931,500	-	FY 2014	260,114,931
February	27,908,700	-	FY 2015	268,840,550
March	26,433,925	-	FY 2016	275,500,023
April	18,363,100	-	FY 2017	284,456,260
May	29,430,919	-	FY 2018	294,501,324
June	22,548,101	-	FY 2019	159,082,440
	\$294,501,324	\$159,082,440	Cumulative	\$ 2,674,150,923

The *TransNet* Extension Quarterly Report (Attachment 4) provides the sales tax allocation and disbursement information for the quarter ending December 31, 2018.

<sup>1</sup> Most-recent data. Statistics have been delayed due to the federal government shutdown.

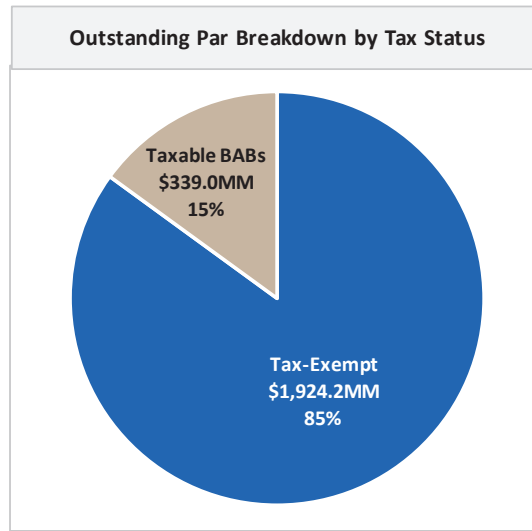
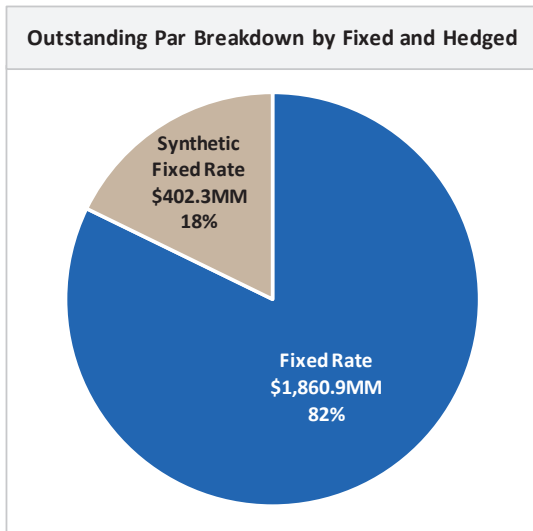
## SANDAG Investments and Debt Portfolio Overview

### Commission Debt Portfolio Overview

SANDAG, serving as the San Diego County Regional Transportation Commission, has \$2.26 billion of outstanding long-term debt, including the Series 2018A Short-Term Notes (Notes) issued in April 2018. Of the total debt portfolio, 18 percent consists of synthetic, fixed-rate bonds (variable-rate bonds hedged with fixed-payer interest rate swaps), and the remaining 82 percent are fixed-rate bonds. The Transportation Infrastructure Finance and Innovation Act (TIFIA) loan is undrawn and does not represent an obligation of SANDAG at this time. A summary of the outstanding bonds is tabulated and graphically presented below.

Summary of Outstanding Debt						
Series	Tax Status	Coupon Type	Original Issue Size	Outstanding Par	Call Option	Final Maturity
2008A	Tax-Exempt	Variable-Rate	\$150,000,000	\$100,575,000	Current	4/1/2038
2008B	Tax-Exempt	Variable-Rate	\$150,000,000	\$100,575,000	Current	4/1/2038
2008C	Tax-Exempt	Variable-Rate	\$150,000,000	\$100,575,000	Current	4/1/2038
2008D	Tax-Exempt	Variable-Rate	\$150,000,000	\$100,575,000	Current	4/1/2038
2010A	Taxable BABs	Fixed-Rate	\$338,960,000	\$338,960,000	Make-Whole	4/1/2048
2010B	Tax-Exempt	Fixed-Rate	\$11,040,000	\$6,235,000	4/1/2020	4/1/2030
2012A	Tax-Exempt	Fixed-Rate	\$420,585,000	\$324,400,000	4/1/2022	4/1/2048
2014A	Tax-Exempt	Fixed-Rate	\$350,000,000	\$336,130,000	4/1/2024	4/1/2048
2016A	Tax-Exempt	Fixed-Rate	\$325,000,000	\$317,680,000	4/1/2026	4/1/2048
2018A Notes	Tax-Exempt	Fixed-Rate	\$537,480,000	\$537,480,000	Non-Callable	4/1/2021
<b>Total</b>				<b>\$2,263,185,000</b>		
Summary of TIFIA Loan Commitment						
Series	Tax Status	Coupon Type	Original Issue Size	Outstanding Par	Call Option	Final Maturity
TIFIA*	Taxable	Fixed-Rate	\$537,484,439	\$0	Anytime	10/1/2045
<b>Total with Loan Commitment</b>				<b>\$2,263,189,439</b>		

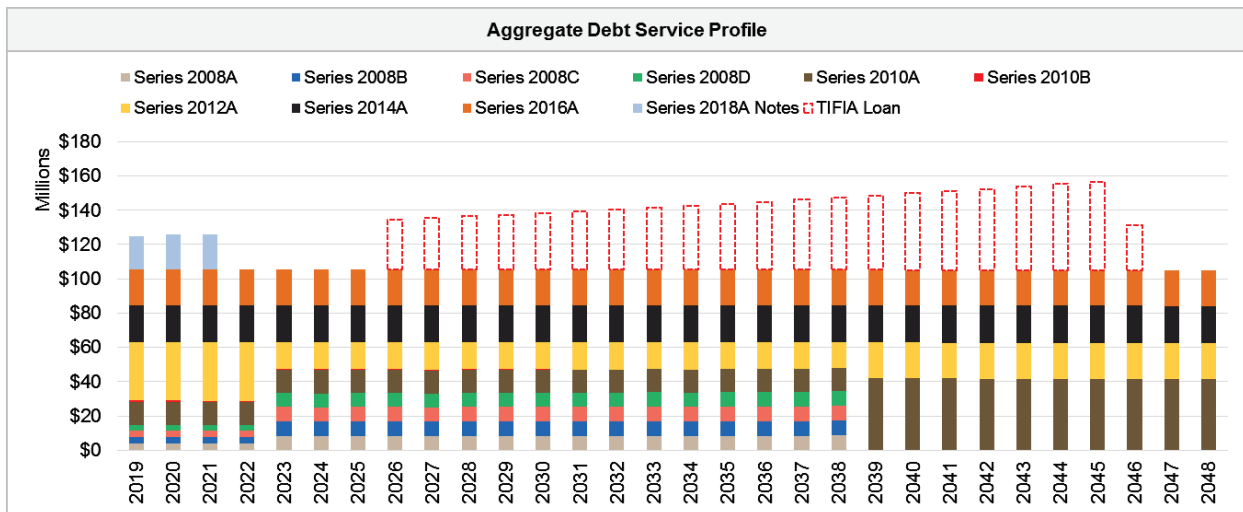
\* The TIFIA loan will be drawn upon in 2021 to retire the 2018A Notes. The simultaneous draw on the TIFIA loan and the retirement of the 2018A Notes will have an offsetting impact and will not increase the amount of total obligations outstanding.



**Debt Service and Coverage**

SANDAG has debt obligations on three separate lien levels, providing different priority of sales tax payment to investors based on their respective lien level. Senior lien obligations are paid first, followed by subordinate lien obligations, and then junior subordinate lien obligations (i.e., TIFIA loan). This three-tiered lien structure has been developed by SANDAG to maximize program capacity, keep senior lien ratings as high as possible, and minimize borrowing costs.

The 2018A Notes are repayable from sales tax revenues that are subordinate to the outstanding bonds (which are on the senior lien) and are on parity with the existing commercial paper (which is on the subordinate lien). The TIFIA loan is repayable from a third lien that is subordinate to the senior lien bonds, the 2018A Notes, and the commercial paper. As a result, senior lien debt service remains level in aggregate, at about \$105.2 million annually.



Assuming SANDAG draws on the TIFIA loan as expected to complete the Mid-Coast Trolley, SANDAG aggregate debt service will peak at \$163.3 million in FY 2045. Senior lien debt service coverage, using sales tax receipts of \$304.7 million for the last 12 months ending December 31, 2018, is 2.89 times. Meaning, for every \$1 of senior lien debt service, SANDAG received \$2.89 of sales tax revenue, providing ample coverage

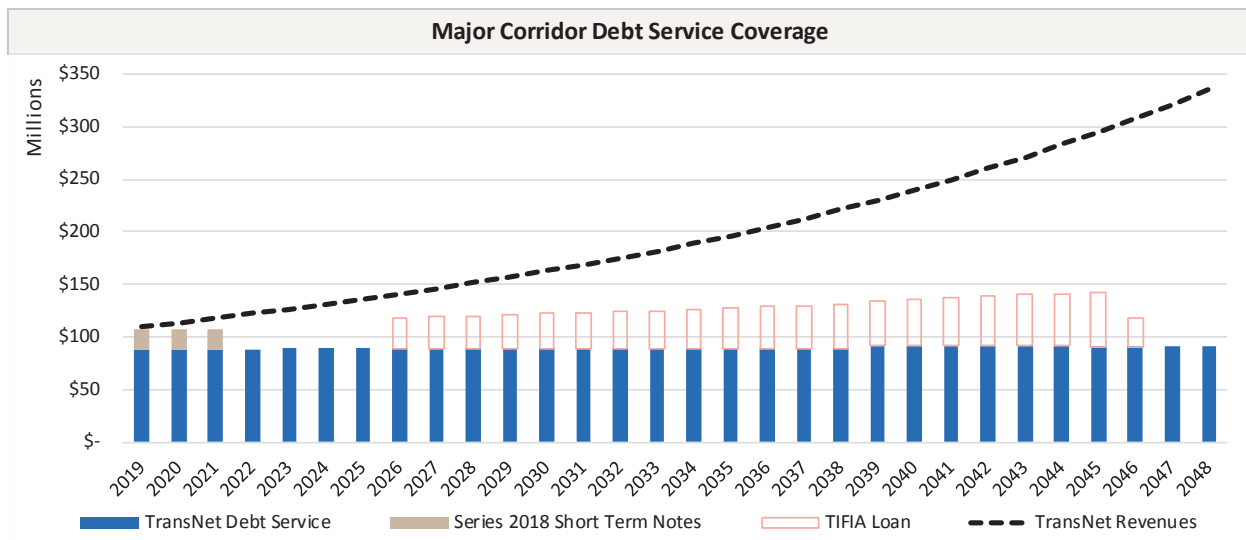
and supporting SANDAG senior lien triple-A ratings. Total coverage, when comparing the annual revenues to peak debt service (including assumed debt service on the undrawn TIFIA loan) in FY 2045, is 1.87 times.

### Major Corridors Coverage

In accordance with the *TransNet* Ordinance, the Major Corridors subprogram receives 38 percent of *TransNet* revenues after allocations for administrative and Independent Taxpayer Oversight Committee expenses. Major Corridors is the most capital-intensive program, funding various projects, including the Mid-Coast Trolley. Costs associated with these projects can and have been funded with tax-exempt bonds. [SANDAG Board Policy No. 036](#) dictates that the Major Corridors subprogram (and other *TransNet* subprograms) maintain an annual debt service coverage ratio of at least 1 times, meaning that for every \$1 of *TransNet* revenue, there is no more than \$1 of debt service allocated to the subprogram in any given year. SANDAG Board Policy No. 036, Section 2.3, states as follows:

*2.3 Borrowing requirements are determined for each eligible sub-program and debt service is allocated to each sub-program based upon its pro rata share of bond proceeds. It is the general principal for the TransNet Plan of Finance that the annual debt service for each sub-program be less than the annual sales tax revenue allocated to a sub-program on an annual basis. This 1.0 times program debt service coverage requirement ensures that no single sub-program incurs more debt than it can afford.*

For planning purposes, debt service has been structured using a forecast of sales tax receipts. Based on this forecast, and including the 2018 issuance of the Notes, coverage in the Major Corridors Program is projected to drop to 1.01 times in FY 2019 and 1.04 times in FY 2020. Annual coverage rebounds after the retirement of the notes in FY 2021 and falls to 1.17 times when the TIFIA loan begins to amortize in FY 2026 based on the most recent revenue forecast. The TIFIA debt service structure in the Major Corridors Program increases over time, in anticipation of increased sales tax revenue.





### **Recent Variable-Rate Demand Bond and Swap Mark-to-Market Performance**

SANDAG has \$402.3 million of outstanding variable-rate demand bonds (VRDBs) (Series 2008A, B, C, and D), as shown below. These VRDBs are backed by standby bond purchase agreements from certain financial institutions. The interest rate on these bonds resets weekly through a remarketing process. As a performance measure, the bonds are compared to the Securities Industry and Financial Markets Association (SIFMA) benchmark index.

Following the passage of the Tax Cut and Jobs Act in December 2017, SIFMA has been very volatile. In 2018, SIFMA swung by 50 basis points (bps) to 80 bps in either direction every 3 to 10 weeks until August 2018. While it seemed to stabilize in the final months of 2018, it has been down 43 bps in the three weeks since the beginning of 2019. SIFMA is currently 1.28 percent, or 51 percent of one-month LIBOR. Despite the volatility, SANDAG VRDBs continued to trade well compared to SIFMA. This volatility is effectively hedged by SANDAG interest rate swaps.

<b>SANDAG Series 2008A–D VRDB Resets Since December 31, 2015</b>					
<b>Series</b>	<b>SBPA Provider</b>	<b>Remarketing Agent</b>	<b>Reset Average</b>	<b>SIFMA Average</b>	<b>Spread to SIFMA</b>
2008A	JPMorgan Chase Bank, N.A.	Barclays Capital Inc.	.81%	.90%	-9 bps
2008B	JPMorgan Chase Bank, N.A.	Goldman, Sachs & Company	.81%	.90%	-9 bps
2008C	Bank of America, N.A.	JPMorgan Securities LLC	.82%	.90%	-8 bps
2008D	State Street	Stifel, Nicolaus & Company, Inc.	.81%	.90%	-9 bps

SANDAG also has \$402.3 million of fixed-payer interest rate swaps outstanding, the purpose of which is to hedge the interest rate variability associated with the \$402.3 million of variable-rate bonds. Additionally, SANDAG has \$313.2 million of basis swaps outstanding. Under the basis swaps, which became effective on April 1, 2018, when the existing fixed-payer swaps originally were scheduled to convert from the LIBOR to the SIFMA-based indices, SANDAG pays its counterparty a floating interest rate payment based on the SIFMA index and receives a floating payment based on 107.4 percent of three-month LIBOR. The market value of the SANDAG swap portfolio changes with interest rate fluctuations. The mark-to-market (MTM) valuation is \$43,744,742, meaning SANDAG would need to pay approximately \$43.7 million to terminate the entire swap portfolio in the current market. The swaps are performing as expected, and currently there are no reasons why SANDAG would need to terminate the swaps. Additionally, SANDAG is not required to post collateral under the swap agreements.

Swap Portfolio Overview								
Associate d Series	SANDAG Pays	SANDAG Receives	Trade Date	Effective Date	Maturity Date	MTM Value (As of 1/18/2019)	Notional Outstanding	Bank Counterparty
Series 2008	3.8165%	65% of USD-LIBOR until 4/2018; SIFMA Swap Index thereafter	5/23/2012	5/23/2012	4/1/2038	(\$22,559,738.35)	\$134,100,000	Bank of America, N.A. (Aa3/A+/AA-)
Series 2008	3.8165%	65% of USD-LIBOR until 4/2018; SIFMA Swap Index thereafter	5/23/2012	5/23/2012	4/1/2038	(\$22,559,738.35)	\$134,100,000	Goldman Sachs Mitsui Marine Derivative Products, L.P. (Aa2/AA-/NA )
Series 2008	3.4100%	65% of USD-LIBOR	5/23/2012	5/23/2012	4/1/2038	(\$22,636,969.76)	\$134,100,000	Bank of America, N.A. (Aa3/A+/AA-)
<b>Total Fixed-Payer Swaps</b>						<b>(\$67,756,446.46)</b>	<b>\$402,300,000</b>	
Series 2008	SIFMA Swap Index	107.4% of 3 month USD-LIBOR	3/19/2009	4/1/2018	4/1/2038	\$12,005,852.10	\$156,600,000	Barclays Bank PLC (A2/A/A+)
Series 2008	SIFMA Swap Index	107.4% of 3 month USD-LIBOR	3/19/2009	4/1/2018	4/1/2038	\$12,005,852.10	\$156,600,000	Barclays Bank PLC (A2/A/A+)
<b>Total Index Conversion Swaps</b>						<b>\$24,011,704.20</b>	<b>\$313,200,000</b>	
<b>Total Combined</b>						<b>(\$43,744,742.26)</b>	<b>\$715,500,000</b>	

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## Cost of Capital

SANDAG has a very attractive weighted average cost of capital (WACC) of 3.35 percent. This cost can vary based on swap performance and the cost of liquidity to support the variable-rate debt.

The 2008A–D bonds, with the current swap rate and associated fees, provide a cost of capital equal to 4.11 percent. The 2010A bonds were issued as taxable Build America Bonds and have a borrowing cost of 3.89 percent. The 2010B tax-exempt bonds have a borrowing cost of 3.14 percent. The 2012A, 2014A, and 2016A bonds were sold at an all-in cost of 3.72 percent, 3.85 percent, and 3.29 percent, respectively. The 2018A Short-Term Notes have a borrowing cost of 1.86 percent. Taken together, SANDAG has issued approximately \$2.39 billion in long-term debt to accelerate project delivery, for a WACC of 3.35 percent.

SANDAG's WACC Calculations					
<b>Synthetic Fixed Rate:</b>					
Series	Par Post 2012 Refunding	Swap Rate	SBPA Fee	Remarketing Agent Fee	Cost of Capital
2008A	\$100,575,000	3.8165%	0.390%	0.06%	4.2665%
2008B	\$100,575,000	3.8165%	0.390%	0.06%	4.2665%
2008C1	\$67,050,000	3.8165%	0.350%	0.06%	4.2265%
2008C2	\$33,525,000	3.4100%	0.350%	0.06%	3.8200%
2008D	\$100,575,000	3.4100%	0.340%	0.06%	3.8100%
<b>2008 Weighted Average</b>					<b>4.1085%</b>
<b>Fixed Rate:</b>					
Series	Original Par	-	-	-	All-in True Interest Cost
2010A	\$338,960,000	-	-	-	3.8871%
2010B	\$11,040,000	-	-	-	3.1434%
2012A	\$420,585,000	-	-	-	3.7167%
2014A	\$350,000,000	-	-	-	3.8507%
2016A	\$325,000,000	-	-	-	3.2947%
2018A Notes	\$537,480,000	-	-	-	1.8596%
<b>Total Weighted Average Without TIFIA Loan</b>					<b>3.3481%</b>

## Commercial Paper

In addition to the long-term debt, SANDAG has a short-term Commercial Paper Program supported by a Letter of Credit (LOC) from Bank of America Merrill Lynch. The Commercial Paper Program was authorized at \$100 million and has a current outstanding balance of \$26.7 million as of December 31, 2018, when it was remarketed out 84 days at a rate of 1.8 percent. The supporting LOC with Bank of America Merrill Lynch was procured in September 2018 through a solicitation process that helped SANDAG attain a lower LOC fee of .32 percent for the next three years.

## Looking Ahead

SANDAG entered into a Full Funding Grant Agreement (FFGA) with the Federal Transit Administration in September 2016 to help fund the Mid-Coast Trolley. The FFGA provides a commitment for up to \$1.043 billion between federal fiscal years 2016 and 2026, of which SANDAG has received \$330 million to date, and expects to receive the remainder through 2026. All prior plans of finance presented to the Board of

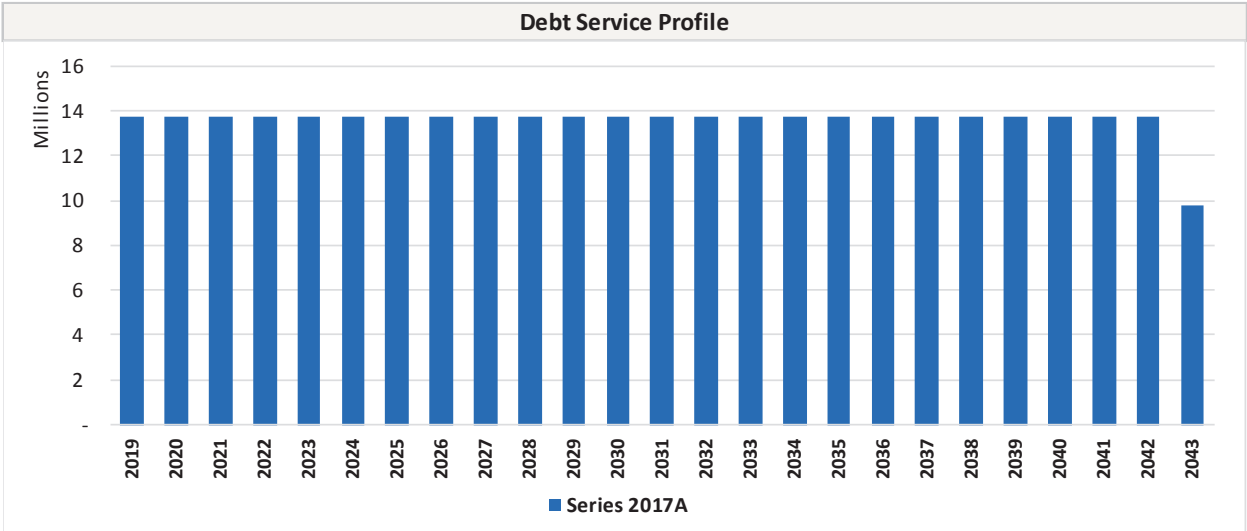
Directors have included issuance of Grant Anticipation Notes (GANs) in 2019, secured by such future FFGA receipts. The GANs are not expected to be secured by a lien on sales tax revenues. In preparation for the transaction, SANDAG staff started the procurement process for an underwriting team as well as bond and disclosure counsel late last year. Wells Fargo Securities was selected to serve as the senior underwriter with Citigroup Global Markets Inc, Goldman Sachs & Co. LLC, and J.P. Morgan to serve as the co-managers. Norton Rose Fulbright US LLP has been selected to serve as bond counsel; and Orrick, Herrington & Sutcliffe LLP has been selected to serve as disclosure counsel. SANDAG kicked off the GANs transaction in late January. The proceeds from the GANs sale will be used for construction expenses associated with the Mid-Coast Trolley. Staff will continue to provide more information and updates in subsequent reports

**SANDAG Debt Portfolio Overview**

SANDAG’s debt portfolio is comprised of a single bond series issued for South Bay Expressway (SBX). In November 2017, SANDAG issued Toll Revenue First Senior Lien Bonds, 2017 Series A to refinance indebtedness incurred with the acquisition of SBX. The bonds are secured from the toll revenues generated on SBX, net of operating expenses. As of January 2019, the debt outstanding is \$191.1 million. A summary of the outstanding bonds is tabulated and graphically presented below.

Summary of Outstanding Debt						
SBX Debt						
Series	Tax Status	Coupon Type	Original Issue Size	Outstanding Par	Call Date	Final Maturity
2017A	Tax-Exempt	Fixed-Rate	\$194,140,000	191,070,000	7/1/2027	7/1/2042
<b>Total with Loan Commitment</b>				<b>\$2,263,189,439</b>		

The annual payment on the bonds is level at about \$13.8 million through final maturity in 2042. Based on annual net toll revenues of \$31.8 million for FY 2018, the coverage on future maximum annual debt service payment was 2.31 times.



## Quarterly Investment Data

Included with this quarterly finance report through December 31, 2018, are a Summary of Portfolio Balances (by Institution); a Detail of Portfolio Balances (by Account); and a Detail of Portfolio Balances (by Investment Type) for all money under the direction or care of SANDAG, including funds of the Commission, SourcePoint, and the Automated Regional Justice Information System (ARJIS).

As of December 31, 2018, a total of \$960.6 million was held by SANDAG in a number of investment accounts, in comparison to \$1.124 billion held in the previous quarter. The \$163.7 million decrease during the quarter primarily is due to the timing of *TransNet* sales tax receipts, *TransNet* debt service payments, *TransNet* allocation payments to other local governmental agencies, and the use of *TransNet* bond proceeds to fund current projects.<sup>1</sup>

Approximately \$11.4 million was held in nine U.S. Bank, N.A. accounts at the end of the quarter, which are used for operating purposes. Approximately \$949.1 million was invested in seven institutions, as follows:

1. *State of California Local Agency Investment Fund (LAIF)* – State law allows local agencies (Commission and SANDAG) to invest up to \$65 million per agency in LAIF. These funds hold excess operating funds for the Commission and SANDAG. A total of approximately \$67.2 million was invested in LAIF, of which the Commission held the majority at \$64.1 million.
2. *California Asset Management Program (CAMP)* – These are funds administered by one of the two SANDAG investment managers, PFM Asset Management, LLC. The Cash Reserve Portfolio, totaling \$304.2 million, is used for the investment of the 2008 *TransNet* bond reserves; funds held for upcoming principal and interest payments on outstanding debt obligations; proceeds of the 2016 *TransNet* bonds and 2018 short-term notes; and excess operating funds for Interstate 15 *FasTrak*®, State Route 125 (SR 125), ARJIS, Coronado Bridge Toll Funds, and *TransNet* sales tax funds not yet paid for *TransNet*-approved projects. In addition, CAMP uses the Individual Portfolio, totaling \$199.6 million, for the investment of SR 125 reserves for future projects; the 2008 *TransNet* bond reserves, 2018 *TransNet* short-term note proceeds; funds held aside for future principal and interest payments; and *TransNet* sales tax funds not yet paid to other local governmental agencies.
3. *U.S. Bank* – These funds, totaling approximately \$84.3 million, were held by U.S. Bank, as Trustee for the Commission outstanding debt obligations including \$24.3 million invested in North County Transit District auction rate securities purchased with commercial paper; and as Trustee for the SR 125 outstanding debt obligations including future capital expenditures and customer prepaid funds. U.S. Bank also held funds for retention through the completion of SANDAG projects and funds held by the Commission as collateral received on the 2018 Swaps. Market price valuation on securities is generally supplied by ICE Data Services or Bloomberg.
4. *U.S. Bank* – These are funds administered by one of the two SANDAG investment managers, Cutwater Asset Management Corp. The Individual Portfolio, totaling \$200.8 million, and the Cash Reserve Portfolio, totaling \$1.5 million are used for the investment of excess *TransNet* sales tax revenue not yet paid for *TransNet*-approved projects. Market price valuation on securities is primarily supplied by IDC Data Services.
5. *San Diego County Treasurer's Pooled Money Fund* – These funds, totaling \$85.4 million, were held by the San Diego County Treasurer's Pooled Money Fund. The funds consist of ARJIS, SANDAG Service Authority for Freeway Emergencies, SourcePoint, Interstate 15 *FasTrak*, and *TransNet* sales tax revenues.
6. *California Bank and Trust* – There was \$379,511 on deposit with California Bank and Trust pursuant to capital project escrow retention agreements with various contractors.

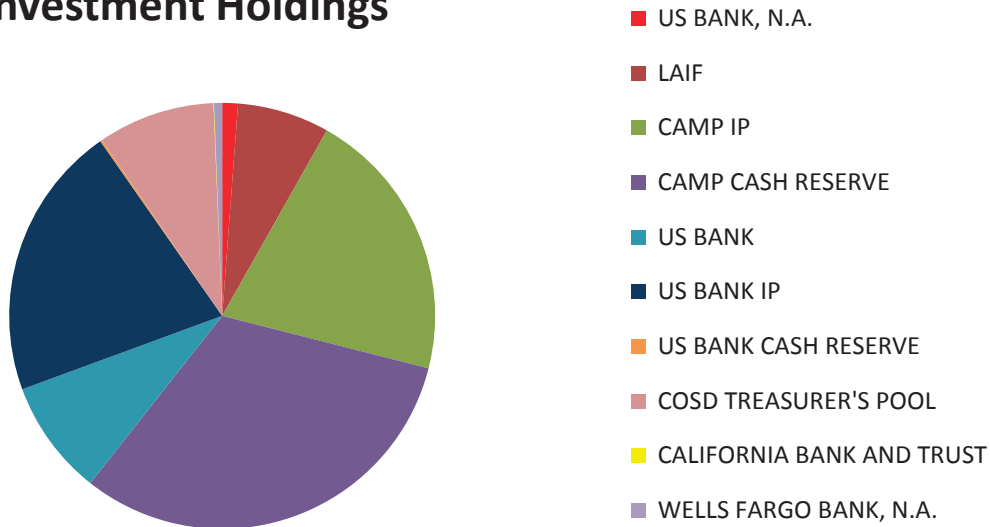
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<sup>1</sup> Due to rounding, the numbers below may not tie to the attached detail of investments.

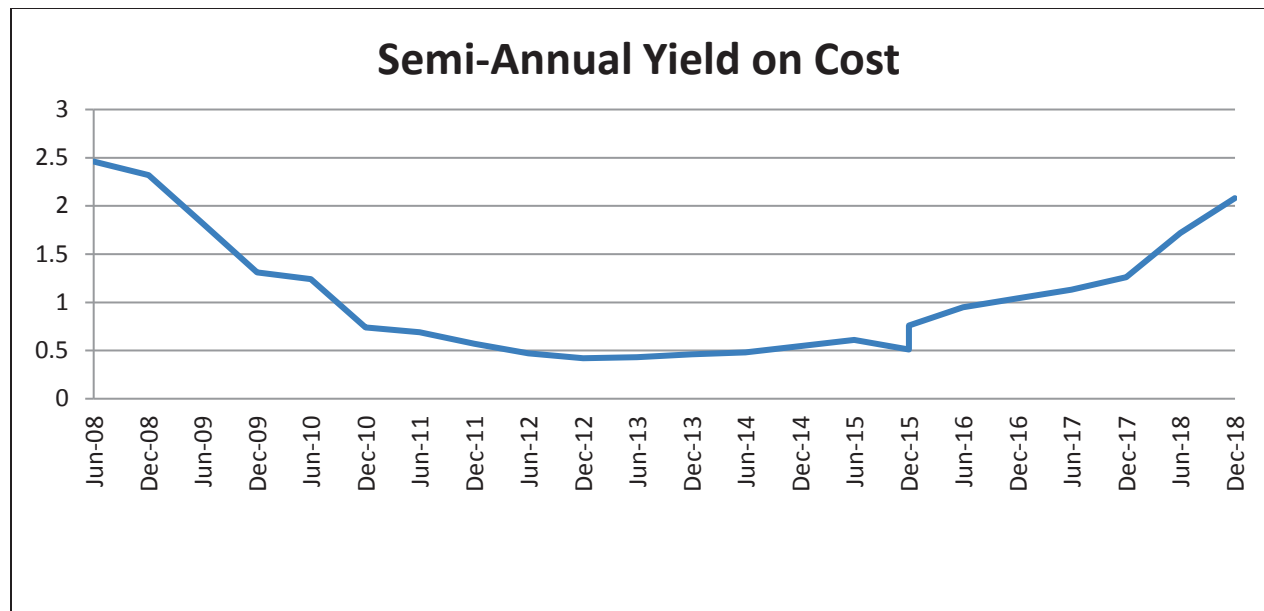
7. *Wells Fargo Bank, N.A.* – These funds are administered by PFM Asset Management, LLC, the administrator for the SANDAG Internal Revenue Code Section 115 Trust Account. These funds total approximately \$5.9 million and are savings for future pension costs.

The chart below provides a snapshot of the investment holding locations as of December 31, 2018.

### Investment Holdings



As shown in the chart below, as of December 31, 2018, the yield on cost of the portfolio was 2.08 percent, with a weighted average maturity of 188 days, in comparison to 1.86 percent and 175 days in the prior quarter.



The Finance Department has continued to implement the Board of Directors investment objectives of safety, liquidity, and return on investment for the SANDAG investment portfolio. These will continue to be important investment objectives for the future.

***Certifications***

The Director of Finance reports that this investment portfolio, together with the authorized short-term Commercial Paper Program, will provide the necessary liquidity to meet the expenditure requirements of SANDAG, the Commission, ARJIS, and SourcePoint for the next six months. This portfolio is in compliance with state law and Board Policy No. 003: Investment Policy.

The Director of Finance reports that there has not been any material event involving outstanding swap agreements, nor has there been any default by a swap counterparty or counterparty termination.

**SANDAG**  
**Summary of Portfolio Balances (by Institution)**  
as of December 31, 2018

Institution	Book Value	Percent of Portfolio	Market Value	Market Price	Unrealized Gain/(Loss)	Yield on Cost	Wtd. Avg. Days to Maturity
US BANK, N.A.	\$ 11,427,952.66	1.19%	\$ 11,427,952.66	100.00%	-	N/A	1
STATE OF CALIFORNIA LOCAL AGENCY INVESTMENT FUND	67,162,347.92	6.97%	67,162,347.92	100.00%	-	2.32%	192 **
CALIFORNIA ASSET MANAGEMENT PROGRAM (CAMP) INDIVIDUAL PORTFOLIO	201,766,996.75	20.93%	199,607,113.36	98.93%	(2,159,883.39)	1.67%	380
CAMP CASH RESERVE PORTFOLIO	304,157,058.45	31.55%	304,157,058.45	100.00%	-	2.46%	41 **
US BANK	84,253,792.72	8.74%	84,253,792.72	100.00%	-	1.27%	19
US BANK INDIVIDUAL PORTFOLIO	201,679,147.49	20.92%	200,827,867.61	99.58%	(851,279.88)	2.04%	240
US BANK CASH RESERVE PORTFOLIO	1,484,338.79	0.15%	1,484,338.79	100.00%	-	0.00%	1
SAN DIEGO COUNTY TREASURER'S POOLED MONEY FUND	85,369,053.22	8.86%	85,369,053.22	100.00%	-	2.25%	348 **
CALIFORNIA BANK AND TRUST	379,510.92	0.04%	379,510.92	100.00%	-	0.23%	1
WELLS FARGO BANK, N.A.	6,305,372.01	0.65%	5,881,696.27	93.28%	(423,675.74)	2.44%	1
<b>TOTAL</b>	<b>\$ 963,985,570.93</b>	<b>100.00%</b>	<b>\$ 960,550,731.92</b>	<b>99.64%</b>	<b>\$ (3,434,839.01)</b>	<b>2.08%</b>	<b>188</b>

\*\* Although average days to maturity is greater than one day, funds are available at par the same day.

**Summary of Portfolio Balances (by Agency)**

Agency	Book Value	Percent of Portfolio	Market Value	Market Price	Unrealized Gain/(Loss)	Yield on Cost	Wtd. Avg. Days to Maturity
SANDAG FUNDS	\$ 193,612,413.17	20.08%	\$ 193,111,489.42	99.74%	\$ (500,923.75)	2.10%	100
AUTOMATED REGIONAL JUSTICE INFORMATION SYSTEM FUNDS	8,548,933.59	0.89%	8,548,933.59	100.00%	-	2.39%	128
SOURCEPOINT FUNDS	210,502.53	0.02%	210,502.53	100.00%	-	2.25%	288
CORONADO BRIDGE TOLL FUNDS	283,309.95	0.03%	283,309.95	100.00%	-	2.46%	41
SAN DIEGO COUNTY REGIONAL TRANSPORTATION COMMISSION FUNDS	761,330,411.69	78.97%	758,396,496.43	99.61%	(2,933,915.26)	2.09%	212
<b>TOTAL</b>	<b>\$ 963,985,570.93</b>	<b>100.00%</b>	<b>\$ 960,550,731.92</b>	<b>99.64%</b>	<b>\$ (3,434,839.01)</b>	<b>2.08%</b>	<b>188</b>

Note: In addition to the funds held above, there is \$4,750 petty cash held at SANDAG.



**SANDAG**  
**Detail of Portfolio Balances (by Account)**  
**as of December 31, 2018**

Institution / Account	Book Value	Percent of Portfolio	Market Value	Market Price	Unrealized Gain/(Loss)	Yield on Cost	Wtd. Avg. Days to Maturity
<b>US BANK, N.A.:</b>							
Checking - <i>TransNet</i> Sales Tax (RTC)	\$ 1,611,170.10	0.17%	\$ 1,611,170.10	100.00%	\$ -	N/A	1
Checking - SANDAG General	3,229,798.68	0.34%	3,229,798.68	100.00%	-	N/A	1
Checking - SANDAG Flexible Spending Acct (FSA)	68,937.96	0.01%	68,937.96	100.00%	-	N/A	1
Checking - SANDAG Interstate 15 (I-15) <i>FasTrak</i> ®	1,352,825.87	0.14%	1,352,825.87	100.00%	-	N/A	1
Checking - SANDAG SAFE Program Acct	521,778.54	0.05%	521,778.54	100.00%	-	N/A	1
Checking - SourcePoint	36,125.95	0.00%	36,125.95	100.00%	-	N/A	1
Checking - ARJIS	765,389.96	0.08%	765,389.96	100.00%	-	N/A	1
Checking - State Route 125 (SR 125) Payment Account	3,372,658.16	0.35%	3,372,658.16	100.00%	-	N/A	1
Checking - State Route 125 (SR 125) Collection Account	469,267.44	0.05%	469,267.44	100.00%	-	N/A	1
<b>TOTAL US BANK, N.A.</b>	<b>\$ 11,427,952.66</b>	<b>1.19%</b>	<b>\$ 11,427,952.66</b>	<b>100.00%</b>	<b>\$ -</b>	<b>N/A</b>	<b>1</b>
<b>STATE OF CA LOCAL AGENCY INVESTMENT FUND (LAIF):</b>							
<i>TransNet</i> (RTC)	\$ 64,112,315.59	6.65%	\$ 64,112,315.59	100.00%	\$ -	2.32%	192
SANDAG	3,050,032.33	0.32%	3,050,032.33	100.00%	-	2.32%	192
<b>TOTAL LAIF</b>	<b>\$ 67,162,347.92</b>	<b>6.97%</b>	<b>\$ 67,162,347.92</b>	<b>100.00%</b>	<b>\$ -</b>	<b>2.32%</b>	<b>192 **</b>
<b>CALIFORNIA ASSET MANAGEMENT PROGRAM (CAMP):</b>							
<b>INDIVIDUAL PORTFOLIO:</b>							
<i>TransNet</i> Sales Tax (RTC)	\$ 130,732,904.88	13.56%	\$ 129,311,415.93	98.91%	\$ (1,421,488.95)	1.66%	389
<i>TransNet</i> Program Reserve (RTC)	49,707,789.34	5.16%	49,229,312.27	99.04%	(478,477.07)	1.57%	405
<i>TransNet</i> 2008 Bond Proceeds A/B/C/D Reserve Fund (RTC)	17,215,212.78	1.79%	17,041,597.79	98.99%	(173,614.99)	2.24%	288
Sage Hill Endowment (RTC)	821,139.00	0.09%	812,084.63	98.90%	(9,054.37)	1.79%	638
SANDAG Toll Rd Project Major Main Reserve Acct	3,289,950.75	0.34%	3,212,702.74	97.65%	(77,248.01)	0.97%	64
<b>TOTAL INDIVIDUAL PORTFOLIO</b>	<b>\$ 201,766,996.75</b>	<b>20.93%</b>	<b>\$ 199,607,113.36</b>	<b>98.93%</b>	<b>\$ (2,159,883.39)</b>	<b>1.67%</b>	<b>380</b>

**SANDAG**  
**Detail of Portfolio Balances (by Account)**  
as of December 31, 2018

Institution / Account	Book Value	Percent of Portfolio	Market Value	Market Price	Unrealized Gain/(Loss)	Yield on Cost	Wtd. Avg. Days to Maturity
<b>CASH RESERVE PORTFOLIO:</b>							
I-15 FasTrak	\$ 642,765.57	0.07%	\$ 642,765.57	100.00%	\$ -	2.46%	41
ARJIS	5,251,984.29	0.54%	5,251,984.29	100.00%	-	2.46%	41
California Coastal Commission	1,016,938.05	0.11%	1,016,938.05	100.00%	-	2.46%	41
SANDAG SR 125	1,915,824.07	0.20%	1,915,824.07	100.00%	-	2.46%	41
SANDAG SR 125	24,844,042.65	2.58%	24,844,042.65	100.00%	-	2.46%	41
SANDAG SR 125	39,758,681.86	4.12%	39,758,681.86	100.00%	-	2.46%	41
Coronado Bridge Toll Funds	283,309.95	0.03%	283,309.95	100.00%	-	2.46%	41
SANDAG Shoreline Management Account	167,187.92	0.02%	167,187.92	100.00%	-	2.46%	41
2008 Bond Series A/B/C/D Reserve Fund (RTC)	301,881.13	0.03%	301,881.13	100.00%	-	2.46%	41
2008 Bond Series A - Principal (RTC)	1.00	0.00%	1.00	100.00%	-	2.46%	41
2008 Bond Series B - Principal (RTC)	1.00	0.00%	1.00	100.00%	-	2.46%	41
2008 Bond Series C - Principal (RTC)	1.00	0.00%	1.00	100.00%	-	2.46%	41
2008 Bond Series D - Principal (RTC)	1.00	0.00%	1.00	100.00%	-	2.46%	41
2010 Bond Series B - Principal (RTC)	542,530.35	0.06%	542,530.35	100.00%	-	2.46%	41
2010 Bond Series B - Interest (RTC)	63,679.70	0.01%	63,679.70	100.00%	-	2.46%	41
2010 Bond Series A - Interest (RTC)	5,021,317.95	0.52%	5,021,317.95	100.00%	-	2.46%	41
2012 Bond Series A - Interest (RTC)	3,930,267.25	0.41%	3,930,267.25	100.00%	-	2.46%	41
2012 Bond Series A - Principal (RTC)	13,455,564.03	1.40%	13,455,564.03	100.00%	-	2.46%	41
2008 Sales Tax Account - TransNet Extension (RTC)	69,081,719.97	7.17%	69,081,719.97	100.00%	-	2.46%	41
Wetland Mitigation TransNet Sales Tax (RTC)	301,879.67	0.03%	301,879.67	100.00%	-	2.46%	41
Sage Hill Endowment (RTC)	25,089.19	0.00%	25,089.19	100.00%	-	2.46%	41
TransNet Program Reserve (RTC)	4,901,023.17	0.51%	4,901,023.17	100.00%	-	2.46%	41
Custody Account (RTC)	9,430,143.83	0.98%	9,430,143.83	100.00%	-	2.46%	41
2014 Bond Series A - Principal (RTC)	3,813,180.10	0.40%	3,813,180.10	100.00%	-	2.46%	41
2014 Bond Series A - Interest (RTC)	4,185,634.69	0.43%	4,185,634.69	100.00%	-	2.46%	41
2016 Bond Series A Principal Account (RTC)	3,602,233.94	0.37%	3,602,233.94	100.00%	-	2.46%	41
2016 Bond Series A Interest Account (RTC)	3,980,833.83	0.41%	3,980,833.83	100.00%	-	2.46%	41
2016 Bond Series A Project Account (RTC)	7,309,067.01	0.76%	7,309,067.01	100.00%	-	2.46%	41
2018 Bond Series A Project Account (RTC)	95,192,799.47	9.87%	95,192,799.47	100.00%	-	2.46%	41
2018 Bond Series A Interest Account (RTC)	5,137,474.81	0.53%	5,137,474.81	100.00%	-	2.46%	41
<b>TOTAL CASH RESERVE PORTFOLIO</b>	<b>\$ 304,157,058.45</b>	<b>31.55%</b>	<b>\$ 304,157,058.45</b>	<b>100.00%</b>	<b>\$ -</b>	<b>2.46%</b>	<b>41 **</b>
<b>TOTAL CAMP</b>	<b>\$ 505,924,055.20</b>	<b>52.48%</b>	<b>\$ 503,764,171.81</b>	<b>99.57%</b>	<b>\$ -</b>	<b>2.15%</b>	<b>175</b>

**SANDAG**  
**Detail of Portfolio Balances (by Account)**  
as of December 31, 2018

Institution / Account	Book Value	Percent of Portfolio	Market Value	Market Price	Unrealized Gain/(Loss)	Yield on Cost	Wtd. Avg. Days to Maturity
<b>US BANK:</b>							
Capital Project Retention Account	\$ 34,694,644.25	3.60%	\$ 34,694,644.25	100.00%	\$ -	2.13%	1
SANDAG SR 125 First Senior Lien bonds 2017 Series A	896,771.89	0.09%	896,771.89	100.00%	-	0.80%	1
SANDAG SR 125 First Senior Lien bonds 2017 Series A Reserve Account	13,812,465.13	1.43%	13,812,465.13	100.00%	-	0.80%	1
SANDAG SR 125 First Senior Lien bonds 2017 Series A Interest Account	4,848,894.64	0.50%	4,848,894.64	100.00%	-	0.80%	1
SANDAG SR 125 First Senior Lien bonds 2017 Series A Principal Account	2,164,973.96	0.22%	2,164,973.96	100.00%	-	0.80%	1
SANDAG SR 125 FasTrak Customer Prepaid Fund	2,013,807.53	0.21%	2,013,807.53	100.00%	-	0.80%	1
2008 Bond Series A/B/C/D Main Interest (RTC)	1,197,914.54	0.12%	1,197,914.54	100.00%	-	0.30%	1
Commercial Paper Series B - NCTD Interest (RTC)	230,250.24	0.02%	230,250.24	100.00%	-	0.30%	1
NCTD Certificates of Participation	24,300,000.00	2.52%	24,300,000.00	100.00%	-	1.78%	65
2018A Short-term Notes Project (RTC)	2,755.87	0.00%	2,755.87	100.00%	-	0.30%	1
Commercial Paper Notes Series B Interest (RTC)	5,943.99	0.00%	5,943.99	100.00%	-	1.88%	1
Commercial Paper Notes Series B Principal (RTC)	85,370.68	0.01%	85,370.68	100.00%	-	1.88%	1
<b>TOTAL US BANK</b>	<b>\$ 84,253,792.72</b>	<b>8.74%</b>	<b>\$ 84,253,792.72</b>	<b>100.00%</b>	<b>\$ -</b>	<b>1.27%</b>	<b>19</b>
<b>US BANK:</b>							
<b>INDIVIDUAL PORTFOLIO:</b>							
TransNet Extension (RTC)	\$ 201,679,147.49	20.92%	\$ 200,827,867.61	99.58%	\$ (851,279.88)	2.04%	240
<b>TOTAL INDIVIDUAL PORTFOLIO</b>	<b>\$ 201,679,147.49</b>	<b>20.92%</b>	<b>\$ 200,827,867.61</b>	<b>99.58%</b>	<b>\$ (851,279.88)</b>	<b>2.04%</b>	<b>240</b>
<b>CASH RESERVE:</b>							
TransNet Extension (RTC)	\$ 1,484,338.79	0.15%	\$ 1,484,338.79	100.00%	\$ -	0.00%	1
<b>TOTAL CASH RESERVE</b>	<b>\$ 1,484,338.79</b>	<b>0.15%</b>	<b>\$ 1,484,338.79</b>	<b>100.00%</b>	<b>\$ -</b>	<b>0.00%</b>	<b>1</b>
<b>TOTAL US BANK</b>	<b>\$ 203,163,486.28</b>	<b>21.08%</b>	<b>\$ 202,312,206.40</b>	<b>99.58%</b>	<b>\$ (851,279.88)</b>	<b>2.02%</b>	<b>239</b>

**SANDAG**  
**Detail of Portfolio Balances (by Account)**  
as of December 31, 2018

Institution / Account	Book Value	Percent of Portfolio	Market Value	Market Price	Unrealized Gain/(Loss)	Yield on Cost	Wtd. Avg. Days to Maturity
<b>SAN DIEGO COUNTY TREASURER'S POOLED MONEY FUND:</b>							
SourcePoint Cash Reserve Fund	\$ 174,376.58	0.02%	\$ 174,376.58	100.00%	\$ -	2.25%	348
SANDAG I-15 FasTrak	36,261,754.46	3.76%	36,261,754.46	100.00%	-	2.25%	348
TransNet Extension (RTC)	37,867,834.31	3.93%	37,867,834.31	100.00%	-	2.25%	348
ARJIS	2,531,559.34	0.26%	2,531,559.34	100.00%	-	2.25%	348
SANDAG SAFE Program	8,533,528.53	0.89%	8,533,528.53	100.00%	-	2.25%	348
<b>TOTAL SAN DIEGO COUNTY TREASURER'S POOLED MONEY FUND</b>	<b>\$ 85,369,053.22</b>	<b>8.86%</b>	<b>\$ 85,369,053.22</b>	<b>100.00%</b>	<b>\$ -</b>	<b>2.25%</b>	<b>348 **</b>
<b>CALIFORNIA BANK AND TRUST:</b>							
Capital Project Retention Accounts	\$ 379,510.92	0.04%	\$ 379,510.92	100.00%	\$ -	0.23%	1
<b>TOTAL CALIFORNIA BANK AND TRUST</b>	<b>\$ 379,510.92</b>	<b>0.04%</b>	<b>\$ 379,510.92</b>	<b>100.00%</b>	<b>\$ -</b>	<b>0.23%</b>	<b>1</b>
<b>WELLS FARGO BANK, N.A.:</b>							
SANDAG Section 115 Pension Trust	\$ 6,305,372.01	0.65%	\$ 5,881,696.27	93.28%	\$ (423,675.74)	2.44%	1
<b>TOTAL WELLS FARGO BANK, N.A.</b>	<b>\$ 6,305,372.01</b>	<b>0.65%</b>	<b>\$ 5,881,696.27</b>	<b>93.28%</b>	<b>\$ (423,675.74)</b>	<b>2.44%</b>	<b>1</b>
<b>TOTAL</b>	<b>\$ 963,985,570.93</b>	<b>100.00%</b>	<b>\$ 960,550,731.92</b>	<b>99.64%</b>	<b>\$ (3,434,839.01)</b>	<b>2.08%</b>	<b>188</b>

*Legend:*

- Automated Regional Justice Information System (ARJIS)
- Commercial Paper (CP)
- State of California Local Agency Investment Fund (LAIF)
- North County Transit District (NCTD)
- San Diego County Regional Transportation Commission (RTC)

\*\* Although average days to maturity is greater than one day, funds are available at par the same day.

**SANDAG**  
**Detail of Portfolio Balances (by Investment Type)**  
**as of December 31, 2018**

Investment	Trade Date	Maturity Date	Book Value	Market Value	Unrealized Gain / (Loss)	Par Value	S&P Rating	Moody's Rating	Fitch Rating	Yield on Cost	Wtd. Avg. Days to Maturity
<b>Cash and cash equivalents:</b>											
<b>Demand deposits:</b>											
Checking - TransNet Sales Tax (RTC)	N/A	N/A	\$ 1,611,170.10	\$ 1,611,170.10	\$ -	N/A	NR	NR	NR	N/A	1
Checking - SANDAG General	N/A	N/A	3,229,798.68	3,229,798.68	-	N/A	NR	NR	NR	N/A	1
Checking - SANDAG Flexible Spending Acct (FSA)	N/A	N/A	68,937.96	68,937.96	-	N/A	NR	NR	NR	N/A	1
Checking - SANDAG Interstate 15 (I-15) FasTrak ®	N/A	N/A	1,352,825.87	1,352,825.87	-	N/A	NR	NR	NR	N/A	1
Checking - SANDAG SAFE Program Acct	N/A	N/A	521,778.54	521,778.54	-	N/A	NR	NR	NR	N/A	1
Checking - SourcePoint	N/A	N/A	36,125.95	36,125.95	-	N/A	NR	NR	NR	N/A	1
Checking - ARJIS	N/A	N/A	765,389.96	765,389.96	-	N/A	NR	NR	NR	N/A	1
Checking - State Route 125 (SR 125) Payment Account	N/A	N/A	3,372,658.16	3,372,658.16	-	N/A	NR	NR	NR	N/A	1
Checking - SR 125 Collection Account	N/A	N/A	469,267.44	469,267.44	-	N/A	NR	NR	NR	N/A	1
<b>Total demand deposits</b>			<b>\$ 11,427,952.66</b>	<b>\$ 11,427,952.66</b>	<b>\$ -</b>	<b>N/A</b>				<b>N/A</b>	<b>1</b>
<b>Money market accounts and funds:</b>											
Money Market - Capital Project Retention Account	N/A	N/A	\$ 379,510.92	\$ 379,510.92	\$ -	N/A	NR	NR	NR	0.23%	1
Money Market - Capital Project Retention Account	N/A	N/A	34,694,644.25	34,694,644.25	-	N/A	NR	NR	NR	2.13%	1
San Diego County Treasurer's Pooled Money Fund (SourcePoint)	N/A	N/A	174,376.58	174,376.58	-	N/A	NR	NR	AAAF / S1	2.25%	348 *
San Diego County Treasurer's Pooled Money Fund (I-15 FasTrak ®)	N/A	N/A	36,261,754.46	36,261,754.46	-	N/A	NR	NR	AAAF / S1	2.25%	348 *
San Diego County Treasurer's Pooled Money Fund (RTC)	N/A	N/A	37,867,834.31	37,867,834.31	-	N/A	NR	NR	AAAF / S1	2.25%	348 *
San Diego County Treasurer's Pooled Money Fund (ARJIS)	N/A	N/A	2,531,559.34	2,531,559.34	-	N/A	NR	NR	AAAF / S1	2.25%	348 *
San Diego County Treasurer's Pooled Money Fund (SAFE)	N/A	N/A	8,533,528.53	8,533,528.53	-	N/A	NR	NR	AAAF / S1	2.25%	348 *
Money Market - SANDAG SR 125 Lien bonds 2017 Series A	N/A	N/A	896,771.89	896,771.89	-	N/A	NR	NR	NR	0.80%	1
Money Market - SANDAG SR 125 Lien bonds 2017 Ser A Reserve Account	N/A	N/A	13,812,465.13	13,812,465.13	-	N/A	NR	NR	NR	0.80%	1
Money Market - SANDAG SR 125 Lien bonds 2017 Ser A Interest Account	N/A	N/A	4,848,894.64	4,848,894.64	-	N/A	NR	NR	NR	0.80%	1
Money Market - SANDAG SR 125 Lien bonds 2017 Ser A Principal	N/A	N/A	2,164,973.96	2,164,973.96	-	N/A	NR	NR	NR	0.80%	1
Money Market - SANDAG SR 125 FasTrak CUSomer Prepaid Fund	N/A	N/A	2,013,807.53	2,013,807.53	-	N/A	NR	NR	NR	0.80%	1
Money Market - RTC (2008 Bond - Main Interest)	N/A	N/A	1,197,914.54	1,197,914.54	-	N/A	NR	NR	NR	0.30%	1
Money Market - RTC (CP Series B - NCTD)	N/A	N/A	230,250.24	230,250.24	-	N/A	NR	NR	NR	0.30%	1
Money Market - RTC (2018 Short-term Notes Project)	N/A	N/A	2,755.87	2,755.87	-	N/A	NR	NR	NR	0.30%	1
Money Market - RTC (CP Notes Series B Interest)	N/A	N/A	5,943.99	5,943.99	-	N/A	NR	NR	NR	1.88%	1
Money Market - RTC (CP Series B Principal)	N/A	N/A	85,370.68	85,370.68	-	N/A	NR	NR	NR	1.88%	1
CAMP Cash Reserve Portfolio (I-15 FasTrak ®)	N/A	N/A	642,765.57	642,765.57	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (ARJIS)	N/A	N/A	5,251,984.29	5,251,984.29	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio - CA Coastal Commission	N/A	N/A	1,016,938.05	1,016,938.05	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (SANDAG SR 125)	N/A	N/A	1,915,824.07	1,915,824.07	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio - Coronado Bridge Toll Funds	N/A	N/A	283,309.95	283,309.95	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio - SANDAG Shoreline Management Account	N/A	N/A	167,187.92	167,187.92	-	N/A	AAAm	NR	NR	2.46%	41

**SANDAG**  
**Detail of Portfolio Balances (by Investment Type)**  
**as of December 31, 2018**

Investment	Trade Date	Maturity Date	Book Value	Market Value	Unrealized Gain / (Loss)	Par Value	S&P Rating	Moody's Rating	Fitch Rating	Yield on Cost	Wtd. Avg.
											Days to Maturity
CAMP Cash Reserve Portfolio (RTC) - 2008 Bond Reserve	N/A	N/A	301,881.13	301,881.13	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - 2008 Bond Ser A Principal	N/A	N/A	1.00	1.00	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - 2008 Bond Ser B Principal	N/A	N/A	1.00	1.00	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - 2008 Bond Ser C Principal	N/A	N/A	1.00	1.00	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - 2008 Bond Ser D Principal	N/A	N/A	1.00	1.00	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - 2010 Bond Ser B Principal	N/A	N/A	542,530.35	542,530.35	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - 2010 Bond Ser B Interest	N/A	N/A	63,679.70	63,679.70	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - 2010 Bond Ser A Interest	N/A	N/A	5,021,317.95	5,021,317.95	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - 2012 Bond Interest	N/A	N/A	3,930,267.25	3,930,267.25	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - 2012 Bond Principal	N/A	N/A	13,455,564.03	13,455,564.03	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (SR 125) - Operating/Maint Reserve	N/A	N/A	24,844,042.65	24,844,042.65	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (SR 125) - Capital Expenditures Fund	N/A	N/A	39,758,681.86	39,758,681.86	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - Sales Tax	N/A	N/A	69,081,719.97	69,081,719.97	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio - Wetland Mitigation (RTC)	N/A	N/A	301,879.67	301,879.67	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio - Sage Hill Endowment (RTC)	N/A	N/A	25,089.19	25,089.19	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio - TransNet Program Reserve (RTC)	N/A	N/A	4,901,023.17	4,901,023.17	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - CUSstudy Account	N/A	N/A	9,430,143.83	9,430,143.83	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - 2014 Bond Ser A Principal	N/A	N/A	3,813,180.10	3,813,180.10	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - 2014 Bond Ser A Interest	N/A	N/A	4,185,634.69	4,185,634.69	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - 2016 Series A Principal	N/A	N/A	3,602,233.94	3,602,233.94	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - 2016 Series A Interest	N/A	N/A	3,980,833.83	3,980,833.83	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - 2016 Bond Series A Project	N/A	N/A	7,309,067.01	7,309,067.01	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - 2018 Bond Series A Project	N/A	N/A	95,192,799.47	95,192,799.47	-	N/A	AAAm	NR	NR	2.46%	41
CAMP Cash Reserve Portfolio (RTC) - 2018 Bond Series A Interest	N/A	N/A	5,137,474.81	5,137,474.81	-	N/A	AAAm	NR	NR	2.46%	31
State of CA Local Agency Investment Fund (LAIF) (RTC)	N/A	N/A	64,112,315.59	64,112,315.59	-	N/A	NR	NR	NR	2.32%	192
State of CA Local Agency Investment Fund (LAIF) SANDAG	N/A	N/A	3,050,032.33	3,050,032.33	-	N/A	NR	NR	NR	2.32%	192
US Bank Cash Reserve TransNet Extension (RTC)	N/A	N/A	1,484,338.79	1,484,338.79	-	N/A	NR	NR	NR	0.00%	1
Wells Fargo Section 115 Trust	N/A	N/A	6,305,372.01	5,881,696.27	(423,675.74)	N/A	NR	NR	NR	2.44%	1
<b>Total money market accounts and funds</b>			<b>\$ 524,811,474.03</b>	<b>\$ 524,387,798.29</b>	<b>\$ (423,675.74)</b>	<b>N/A</b>				<b>2.30%</b>	<b>105</b>
<b>Total cash and cash equivalents</b>			<b>\$ 536,239,426.69</b>	<b>\$ 535,815,750.95</b>	<b>\$ (423,675.74)</b>	<b>N/A</b>				<b>N/A</b>	<b>103</b>

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**Detail of Portfolio Balances (by Investment Type)**  
**as of December 31, 2018**

Investment	Trade Date	Maturity Date	Book Value	Market Value	Unrealized Gain / (Loss)	Par Value	S&P Rating	Moody's Rating	Fitch Rating	Yield on Cost	Wtd. Avg. Days to Maturity
<b>Investments:</b>											
<b>U.S. Agencies:</b>											
Federal Home Loan Banks Notes	04/16/2018	03/30/2020	\$ 9,301,772.70	\$ 9,294,711.93	\$ (7,060.77)	\$ 9,315,000.00	AA+	Aaa	F1+	2.45%	455
FHLMC Notes	12/09/2016	03/27/2019	3,710,504.30	3,525,840.26	(184,664.04)	3,515,000.00	AA+	Aaa	NR	1.28%	86
FNMA Benchmark Note	06/17/2016	01/28/2019	1,521,135.00	1,498,821.00	(22,314.00)	1,500,000.00	AA+	Aaa	F1+	0.83%	28
FNMA Benchmark Note	06/17/2016	01/28/2019	507,045.00	499,607.00	(7,438.00)	500,000.00	AA+	Aaa	NR	0.83%	28
FHLMCNotes	06/17/2016	03/27/2019	538,870.00	501,542.00	(37,328.00)	500,000.00	AA+	Aaa	NR	0.90%	86
Freddie Mac Notes	12/10/2015	05/30/2019	722,900.75	712,732.74	(10,168.01)	715,000.00	AA+	Aaa	AAA	1.42%	150
FNMA Benchmark Note	07/29/2016	08/02/2019	6,529,012.80	6,473,952.54	(55,060.26)	6,540,000.00	AA+	Aaa	NR	0.93%	214
FNMA Notes	08/31/2016	08/28/2019	7,887,676.00	7,815,817.60	(71,858.40)	7,900,000.00	AA+	Aaa	AAA	1.05%	240
FNMA Notes	10/03/2016	08/28/2019	3,717,768.00	3,680,359.68	(37,408.32)	3,720,000.00	AA+	Aaa	AAA	1.02%	240
Fannie Mae Global Notes	01/03/2017	10/24/2019	4,155,357.75	4,159,130.18	3,772.43	4,215,000.00	AA+	Aaa	AAA	1.52%	297
FNMANotes	07/28/2017	07/30/2020	3,623,985.95	3,574,895.28	(49,090.67)	3,635,000.00	AA+	Aaa	AAA	1.60%	577
FHLMC Reference Note	07/19/2016	07/19/2019	5,721,121.30	5,680,293.84	(40,827.46)	5,735,000.00	AA+	Aaa	NR	0.96%	200
FHLMC Reference Note	10/03/2016	07/19/2019	3,488,590.00	3,466,613.50	(21,976.50)	3,500,000.00	AA+	Aaa	AAA	0.99%	200
Freddie Mac Notes	04/03/2017	01/17/2020	7,720,983.00	7,638,348.68	(82,634.32)	7,725,000.00	AA+	Aaa	AAA	1.52%	382
FHLMC Agency Notes	04/19/2017	04/20/2020	1,729,066.30	1,708,735.57	(20,330.73)	1,735,000.00	AA+	Aaa	AAA	1.49%	476
Freddie Mac Notes	07/18/2017	08/15/2019	3,459,906.45	3,437,162.19	(22,744.26)	3,465,000.00	AA+	Aaa	AAA	1.45%	227
Fannie Mae Series 2015-M13 Asq2	10/07/2015	09/01/2019	137,613.04	135,423.14	(2,189.90)	136,248.66	AA+	Aaa	AAA	1.08%	244
FNMA Series 2015-M15 Asq2	11/06/2015	01/01/2019	23,523.76	23,242.19	(281.57)	23,290.85	AA+	Aaa	NR	1.20%	1
FNMA Series 2016-M9 Asq2	06/09/2016	06/01/2019	12,314.93	12,132.17	(182.76)	12,193.01	AA+	Aaa	NR	1.05%	152
US Treasury Notes	11/01/2017	10/31/2020	1,409,080.08	1,396,055.40	(13,024.68)	1,425,000.00	AA+	Aaa	AA-	1.76%	670
US Treasury Notes	09/01/2017	08/15/2020	604,858.01	585,822.51	(19,035.50)	585,000.00	AA+	Aaa	NR	1.44%	593
US Treasury N/B Notes	11/01/2017	04/15/2020	1,990,781.25	1,973,360.00	(17,421.25)	2,000,000.00	AA+	Aaa	NR	1.69%	471
FHLB Global Note	06/02/2016	06/21/2019	12,604,703.80	12,523,369.30	(81,334.50)	12,610,000.00	AA+	Aaa	NR	1.14%	172
FHLB Notes	09/07/2017	09/28/2020	309,004.90	303,731.80	(5,273.10)	310,000.00	AA+	Aaa	F1	1.48%	637
FHLB Notes	01/03/2018	09/28/2020	5,303,070.00	5,290,812.00	(12,258.00)	5,400,000.00	AA+	Aaa	F1	2.05%	637
FHLB Notes	01/03/2018	09/28/2020	569,548.40	568,272.40	(1,276.00)	580,000.00	AA+	Aaa	NR	2.06%	637
FNMANotes	03/02/2017	02/28/2020	5,270,108.00	5,239,675.40	(30,432.60)	5,300,000.00	AA+	Aaa	F1	1.70%	424
FNMANotes	08/30/2017	02/28/2020	4,704,324.00	4,646,504.60	(57,819.40)	4,700,000.00	AA+	Aaa	F1	1.46%	424
FNMANotes	08/02/2017	07/30/2020	1,596,544.00	1,573,544.00	(23,000.00)	1,600,000.00	AA+	Aaa	NR	1.57%	577
FNMANotes	08/30/2017	07/30/2020	4,674,252.00	4,597,698.88	(76,553.12)	4,675,000.00	AA+	Aaa	NR	1.51%	577
FNMANotes	07/28/2017	07/30/2020	274,166.75	270,452.88	(3,713.87)	275,000.00	AA+	Aaa	NR	1.60%	577
FHLMCNotes	12/01/2017	11/17/2020	4,087,167.00	4,048,946.80	(38,220.20)	4,100,000.00	AA+	Aaa	AAA	1.99%	687
US Treasury Notes	06/27/2016	04/30/2019	3,185,414.64	3,096,268.74	(89,145.90)	3,105,000.00	AA+	Aaa	NR	0.70%	120
FHLMC Notes	10/26/2017	09/29/2020	821,139.00	812,084.63	(9,054.37)	825,000.00	AA+	Aaa	AAA	1.79%	638
Federal Home Loan Mortgage Corp (Callible)	04/25/2016	01/28/2019	4,993,250.00	4,995,850.00	2,600.00	5,000,000.00	AA+	Aaa	AAA	1.20%	28

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Investment	Trade Date	Maturity Date	Book Value	Market Value	Unrealized Gain / (Loss)	Par Value	S&P Rating	Moody's Rating	Fitch Rating	Yield on Cost	Wtd. Avg. Days to Maturity
Federal Farm Credit Bank	08/31/2015	01/30/2019	4,004,520.00	3,997,040.00	(7,480.00)	4,000,000.00	AA+	Aaa	AAA	1.29%	30
Federal National Mortgage Association (Callable)	10/20/2015	02/25/2019	4,024,800.00	3,993,000.00	(31,800.00)	4,000,000.00	AA+	Aaa	AAA	1.11%	56
Federal National Mortgage Association	12/13/2018	02/26/2019	4,986,100.00	4,988,860.00	2,760.00	5,000,000.00	AA+	Aaa	AAA	2.38%	57
Federal Home Loan Bank	04/22/2016	03/08/2019	5,057,500.00	4,991,215.00	(66,285.00)	5,000,000.00	AA+	Aaa	-	1.09%	67
Federal Home Loan Mortgage Corp	12/20/2018	03/27/2019	3,512,323.50	3,510,794.00	(1,529.50)	3,500,000.00	AA+	Aaa	AAA	2.40%	86
Federal Home Loan Mortgage Corp	05/25/2016	04/15/2019	6,994,820.00	6,973,904.00	(20,916.00)	7,000,000.00	AA+	Aaa	AAA	1.15%	105
Federal Farm Credit Bank (Callable)	05/09/2016	05/16/2019	5,500,000.00	5,471,950.00	(28,050.00)	5,500,000.00	AA+	Aaa	AAA	1.17%	136
Federal Home Loan Mortgage Corp	12/13/2018	08/01/2019	1,605,970.80	1,606,518.36	547.56	1,620,000.00	AA+	Aaa	AAA	2.65%	213
Federal Home Loan Mortgage Corp	12/13/2018	08/01/2019	495,610.00	495,839.00	229.00	500,000.00	AA+	Aaa	AAA	2.67%	213
Federal Home Loan Mortgage Corp	12/13/2018	08/01/2019	2,855,404.80	2,856,032.64	627.84	2,880,000.00	AA+	Aaa	AAA	2.63%	213
Federal National Mortgage Association	11/29/2018	08/28/2019	4,164,751.37	4,172,063.65	7,312.28	4,217,000.00	AA+	Aaa	AAA	2.69%	240
Int'l Finance Corp	12/14/2018	09/16/2019	4,964,750.00	4,966,450.00	1,700.00	5,000,000.00	AAA	Aaa	-	2.72%	259
Federal Home Loan Mortgage Corp	12/14/2018	10/02/2019	4,943,250.00	4,948,335.00	5,085.00	5,000,000.00	AA+	Aaa	AAA	2.71%	275
Federal Farm Credit Bank	11/29/2018	10/21/2019	6,131,118.00	6,139,612.00	8,494.00	6,200,000.00	AA+	Aaa	-	2.71%	294
Federal Home Loan Mortgage Corp (Callable)	04/22/2016	10/28/2019	5,000,000.00	4,942,450.00	(57,550.00)	5,000,000.00	AA+	Aaa	AAA	1.25%	301
Federal Home Loan Bank	10/22/2018	11/15/2019	4,533,852.00	4,550,200.40	16,348.40	4,600,000.00	AA+	Aaa	-	2.76%	319
Federal Home Loan Bank	12/13/2018	11/15/2019	4,938,062.10	4,945,870.00	7,807.90	5,000,000.00	AA+	Aaa	-	2.76%	319
Federal Home Loan Mortgage Corp	10/22/2018	01/17/2020	4,921,800.00	4,943,915.00	22,115.00	5,000,000.00	AA+	Aaa	AAA	2.80%	382
Federal National Mortgage Association	11/26/2018	02/28/2020	5,511,408.00	5,536,260.80	24,852.80	5,600,000.00	AA+	Aaa	AAA	2.79%	424
Federal Home Loan Bank	10/29/2018	03/13/2020	4,956,225.00	4,975,065.00	18,840.00	5,000,000.00	AA+	Aaa	-	2.78%	438
Federal National Mortgage Association (Callable)	10/03/2016	03/30/2020	5,097,450.00	5,021,664.00	(75,786.00)	5,100,000.00	AA+	Aaa	AAA	1.26%	455
Federal Home Loan Mortgage Corp (Callable)	10/03/2016	07/06/2020	5,498,625.00	5,403,200.00	(95,425.00)	5,500,000.00	AA+	Aaa	AAA	1.38%	553
United States Treasury Note/Bond	06/11/2015	01/31/2019	4,974,218.75	4,995,705.00	21,486.25	5,000,000.00	AA+	Aaa	AAA	1.40%	31
United States Treasury Note/Bond	03/08/2017	06/15/2019	3,652,449.22	3,672,971.50	20,522.28	3,700,000.00	AA+	Aaa	AAA	1.45%	166
United States Treasury Note/Bond	12/13/2018	07/15/2019	4,946,679.69	4,952,150.00	5,470.31	5,000,000.00	AA+	Aaa	AAA	2.62%	196
United States Treasury Note/Bond	12/13/2018	08/15/2019	4,938,476.56	4,943,555.00	5,078.44	5,000,000.00	AA+	Aaa	AAA	2.63%	227
United States Treasury Note/Bond	10/13/2016	09/30/2019	4,998,437.50	4,940,820.00	(57,617.50)	5,000,000.00	AA+	Aaa	AAA	1.01%	273
United States Treasury Note/Bond	10/13/2016	12/31/2019	4,810,125.00	4,729,310.40	(80,814.60)	4,800,000.00	AA+	Aaa	AAA	1.06%	365
<b>Total U.S. Agencies</b>			<b>\$ 244,925,286.15</b>	<b>\$ 243,426,561.58</b>	<b>\$ (1,498,724.57)</b>	<b>\$ 245,593,732.52</b>				<b>1.72%</b>	<b>287</b>



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Investment	Trade Date	Maturity Date	Book Value	Market Value	Unrealized Gain / (Loss)	Par Value	S&P Rating	Moody's Rating	Fitch Rating	Yield on Cost	Wtd. Avg. Days to Maturity
<b>Corporate Medium Term Notes:</b>											
American Express Credit (Callable) Note	09/01/2017	03/03/2020	\$ 3,024,630.00	\$ 2,967,747.00	\$ (56,883.00)	\$ 3,000,000.00	A-	A2	A	1.86%	428
American Honda Finance Corp Notes	02/18/2016	02/22/2019	1,144,771.00	1,142,898.93	(1,872.07)	1,145,000.00	A+	A2	NR	1.71%	53
Branch Banking & Trust (Callable) Notes	10/23/2017	02/01/2021	999,540.00	978,956.00	(20,584.00)	1,000,000.00	A-	A2	A+	2.17%	763
Berkshire Hathaway Inc Notes	03/08/2016	03/15/2019	839,361.60	838,145.28	(1,216.32)	840,000.00	AA	Aa2	A++	1.73%	74
Berkshire Hathaway Inc Corporate Notes	08/08/2016	08/15/2019	959,068.80	949,922.88	(9,145.92)	960,000.00	AA	Aa2	A++	1.33%	227
Caterpillar Finl Service Note	09/05/2017	09/04/2020	1,463,769.40	1,436,469.13	(27,300.27)	1,465,000.00	A	A3	A	1.88%	613
Chevron Corp Notes	02/28/2017	02/28/2019	1,470,000.00	1,467,127.62	(2,872.38)	1,470,000.00	AA	Aa2	NR	1.69%	59
John Deere Capital Corp Note	01/05/2016	01/08/2019	949,943.00	949,873.65	(69.35)	950,000.00	A	A2	A	1.95%	8
John Deere Capital Corp Notes	01/03/2018	01/08/2021	419,781.60	414,242.22	(5,539.38)	420,000.00	A	A2	A	2.37%	739
General Electric Co Corporate Note	09/25/2017	05/04/2020	3,829,770.00	3,559,986.50	(269,783.50)	3,500,000.00	BBB+	Baa1	AAA	1.83%	490
Home Depot Inc Corp Notes	05/24/2017	06/05/2020	1,044,393.90	1,030,047.10	(14,346.80)	1,045,000.00	A	A2	A	1.82%	522
Honeywell International Corp Notes	10/23/2017	10/30/2019	544,574.90	539,659.55	(4,915.35)	545,000.00	A	A2	AAA	1.84%	303
IBM Credit Corp Note	09/05/2017	09/06/2019	1,678,723.20	1,663,680.48	(15,042.72)	1,680,000.00	A	A1	NR	1.66%	249
JP Morgan Chase & Co Corp Notes	01/03/2017	01/28/2019	1,354,338.00	1,339,338.04	(14,999.96)	1,340,000.00	A-	A2	NR	1.82%	28
State Street Corp Notes	09/01/2017	08/18/2020	3,063,060.00	2,974,812.00	(88,248.00)	3,000,000.00	A	A1	AAA	1.81%	596
Toyota Motor Credit Corp Notes	02/16/2016	02/19/2019	699,916.00	698,702.90	(1,213.10)	700,000.00	AA-	Aa3	AAA	1.70%	50
Toyota Motor Credit Corp	04/11/2017	04/17/2020	2,039,061.60	2,014,663.20	(24,398.40)	2,040,000.00	AA-	Aa3	F1+	1.97%	473
Apple Inc Bonds	02/02/2017	02/07/2020	3,503,282.55	3,474,566.09	(28,716.46)	3,505,000.00	AA+	Aa1	AA-	1.92%	403
Wells Fargo & Co Corp Bonds	02/01/2017	01/30/2020	3,626,203.30	3,595,469.38	(30,733.92)	3,635,000.00	A-	A2	A++	2.23%	395
Exxon Mobil Corp (Callable)	08/04/2016	03/15/2019	8,142,400.00	7,985,264.00	(157,136.00)	8,000,000.00	AA+	Aaa	-	1.12%	74
Bank Of America Corp	11/29/2018	04/01/2019	3,995,600.00	3,995,958.00	358.00	4,000,000.00	A-	A3	A+	2.95%	91
Caterpillar Financial Services	08/31/2016	05/18/2019	2,243,091.20	2,226,703.36	(16,387.84)	2,240,000.00	A	A3	A	1.30%	138
Pfizer Inc	06/20/2016	06/03/2019	4,012,200.00	3,976,600.00	(35,600.00)	4,000,000.00	AA	A1	A+	1.34%	154
Pfizer Inc	06/20/2016	06/03/2019	2,006,100.00	1,988,300.00	(17,800.00)	2,000,000.00	AA	A1	A+	1.34%	154
Toyota Motor Credit	01/12/2017	07/18/2019	6,039,300.00	5,967,720.00	(71,580.00)	6,000,000.00	AA-	Aa3	A+	1.86%	199
IBM Credit Llc	12/13/2018	09/06/2019	4,950,750.00	4,951,430.00	680.00	5,000,000.00	A	A1	A	3.02%	249
Pepsico Inc	08/08/2017	10/04/2019	3,881,748.00	3,853,383.30	(28,364.70)	3,900,000.00	A+	A1	A	1.57%	277
JP Morgan Chase & Co	11/29/2018	10/22/2019	3,971,480.00	3,966,448.00	(5,032.00)	4,000,000.00	A-	A2	AA-	3.03%	295
PPG Industries Inc (Callable)	12/04/2018	11/15/2019	2,577,146.00	2,583,011.60	5,865.60	2,600,000.00	A-	A3	A-	3.25%	319
Wells Fargo Bank	09/05/2017	12/06/2019	4,033,000.00	3,963,728.00	(69,272.00)	4,000,000.00	A+	Aa2	AA-	1.77%	340
Wells Fargo Bank	12/04/2018	12/06/2019	2,671,839.00	2,675,516.40	3,677.40	2,700,000.00	A+	Aa2	AA-	3.22%	340
Wells Fargo Bank	12/14/2018	12/06/2019	4,953,600.00	4,954,660.00	1,060.00	5,000,000.00	A+	Aa2	AA-	3.13%	340
American Express Credit Corp (Callable)	09/11/2017	03/03/2020	2,822,876.00	2,769,897.20	(52,978.80)	2,800,000.00	A-	A2	A	1.86%	428
American Honda Finance Corp	11/09/2018	03/13/2020	2,366,640.00	2,375,232.00	8,592.00	2,400,000.00	A+	A2	-	3.23%	438
<b>Total Corporate Medium Notes</b>			<b>\$ 91,321,959.05</b>	<b>\$ 90,270,159.81</b>	<b>\$ (1,051,799.24)</b>	<b>\$ 90,880,000.00</b>				<b>2.08%</b>	<b>287</b>

**SANDAG**  
**Detail of Portfolio Balances (by Investment Type)**  
as of December 31, 2018

Investment	Trade Date	Maturity Date	Book Value	Market Value	Unrealized Gain / (Loss)	Par Value	S&P Rating	Moody's Rating	Fitch Rating	Yield on Cost	Wtd. Avg. Days to Maturity
<b>Commercial Paper:</b>											
Bank Of Montreal Chicago Comm Paper	10/15/2018	04/15/2019	\$ 838,767.06	\$ 843,033.40	\$ 4,266.34	\$ 850,000.00	A-1	P-1	AAA	2.65%	105
Credit Agricole Cib NY Comm Paper	10/15/2018	04/15/2019	838,784.25	843,033.40	4,249.15	850,000.00	A-1	P-1	NR	2.65%	105
Jp Morgan Securities LLC Comm Paper	10/15/2018	04/01/2019	839,567.67	843,855.35	4,287.68	850,000.00	A-1	P-1	AAA	2.66%	91
Mufg Bank Ltd/NY Comm Paper	10/15/2018	04/15/2019	838,827.22	843,021.50	4,194.28	850,000.00	A-1	P-1	AAA	2.64%	105
Natixis NY Branch Comm Paper	12/12/2018	02/01/2019	846,989.58	848,101.95	1,112.37	850,000.00	A-1	P-1	AAA	2.56%	32
Skandinav Enskilda Banken NY CD	08/03/2017	08/02/2019	3,898,479.00	3,878,210.70	(20,268.30)	3,900,000.00	A-1	P-1	AAA	1.85%	214
<b>Total Commercial Paper</b>			<b>\$ 8,101,414.78</b>	<b>\$ 8,099,256.30</b>	<b>\$ (2,158.48)</b>	<b>\$ 8,150,000.00</b>				<b>2.26%</b>	<b>148</b>
<b>Supra-National Agency Bond/Note</b>											
Inter-American Development Bank	10/02/2017	11/09/2020	\$ 3,638,415.12	\$ 3,571,354.54	\$ (67,060.58)	\$ 3,605,000.00	AAA	Aaa	A+	1.81%	679
Intl Bank Of Reconstruction & Dev Notes	09/27/2017	10/07/2019	1,844,909.00	1,822,841.29	(22,067.71)	1,835,000.00	AAA	Aaa	AAA	1.60%	280
Intl Bank Of Reconstruction And Dev Note	09/12/2017	09/12/2020	3,666,180.00	3,607,659.30	(58,520.70)	3,675,000.00	AAA	Aaa	AAAu	1.64%	621
International Finance Corporation Note	01/18/2018	01/25/2021	1,540,457.70	1,534,860.17	(5,597.53)	1,545,000.00	AAA	Aaa	AAAu	2.35%	756
Int'L Bank For Recon And Development (Callable)	11/29/2018	04/26/2019	4,973,500.00	4,978,750.00	5,250.00	5,000,000.00	AAA	Aaa	AAA	2.55%	116
Int'L Bank For Recon And Development	04/07/2017	04/21/2020	5,025,900.00	4,954,665.00	(71,235.00)	5,000,000.00	AAA	Aaa	AAA	1.70%	477
<b>Total Supra-National Agency Bond/Notes</b>			<b>\$ 20,689,361.82</b>	<b>\$ 20,470,130.30</b>	<b>\$ (219,231.52)</b>	<b>\$ 20,660,000.00</b>				<b>1.95%</b>	<b>453</b>
<b>Certificates of Deposits:</b>											
Bank Of Nova Scotia Houston CD	04/05/2017	04/05/2019	\$ 4,440,000.00	\$ 4,428,820.08	\$ (11,179.92)	\$ 4,440,000.00	A-1	P-1	NR	1.91%	95
Bank Of Montreal Chicago Cert Deposit	02/08/2017	02/07/2019	5,000,000.00	4,997,970.00	(2,030.00)	5,000,000.00	A-1	P-1	NR	1.90%	38
Mufg Bank Ltd/Ny Cert Deposit	09/25/2017	09/25/2019	1,950,000.00	1,936,394.85	(13,605.15)	1,950,000.00	A-1	P-1	NR	2.07%	268
Credit Suisse New York Cert Deposit	02/07/2018	02/07/2020	1,920,000.00	1,916,714.88	(3,285.12)	1,920,000.00	A	A1	NR	2.67%	403
Nordea Bank AB NY CD	02/20/2018	02/20/2020	2,875,000.00	2,873,252.00	(1,748.00)	2,875,000.00	AA-	Aa3	AAA	2.72%	416
Svenska Handelsbanken NY CD	01/10/2017	01/10/2019	5,000,000.00	4,999,250.00	(750.00)	5,000,000.00	A-1+	P-1	AAA	1.91%	10
Swedbank (New York) Cert Deposit	11/16/2017	11/16/2020	2,905,000.00	2,849,915.39	(55,084.61)	2,905,000.00	AA-	Aa2	AAA	2.30%	686
Westpac Banking Corp NY CD	08/03/2017	08/03/2020	3,500,000.00	3,452,526.00	(47,474.00)	3,500,000.00	AA-	Aa3	A+u	2.05%	581
<b>Total Certificates of Deposits</b>			<b>\$ 27,590,000.00</b>	<b>\$ 27,454,843.20</b>	<b>\$ (135,156.80)</b>	<b>\$ 27,590,000.00</b>				<b>2.12%</b>	<b>259</b>
<b>Asset-Backed Security:</b>											
Ally Abs	03/21/2017	08/15/2021	\$ 699,433.01	\$ 694,212.17	\$ (5,220.84)	\$ 699,515.48	NR	Aaa	AAA	1.79%	958
Ally Abs	01/24/2017	06/15/2021	592,301.21	588,256.63	(4,044.58)	592,352.99	NR	Aaa	AAA	1.70%	897
Allya	11/14/2017	03/15/2022	1,504,883.21	1,490,016.52	(14,866.69)	1,505,000.00	AAA	Aaa	NR	1.99%	1,170
Harot	11/22/2017	11/21/2021	1,084,847.12	1,074,262.08	(10,585.04)	1,085,000.00	NR	Aaa	Au	2.06%	1,056
Honda Abs	03/21/2017	07/21/2021	377,899.29	374,672.56	(3,226.73)	377,921.78	NR	Aaa	AAA	1.72%	933
Hyundai Abs	09/14/2016	04/15/2021	858,911.07	850,696.89	(8,214.18)	859,026.70	AAA	Aaa	A	1.30%	836
Hyundai Abs	03/22/2016	09/15/2020	262,198.33	261,262.55	(935.78)	262,249.21	AAA	Aaa	NR	1.57%	624

**SANDAG**  
**Detail of Portfolio Balances (by Investment Type)**  
**as of December 31, 2018**

Investment	Trade Date	Maturity Date	Book Value	Market Value	Unrealized Gain / (Loss)	Par Value	S&P Rating	Moody's Rating	Fitch Rating	Yield on Cost	Wtd. Avg. Days to Maturity
Hyundai Abs	03/22/2017	08/15/2021	429,965.21	425,755.21	(4,210.00)	430,000.00	AAA	NR	NR	1.76%	958
Hyundai Abs	08/09/2017	01/15/2022	1,254,782.51	1,238,232.32	(16,550.19)	1,255,000.00	AAA	Aaa	AAA	1.78%	1,111
John Deere Abs	02/22/2017	04/15/2021	466,704.93	463,436.27	(3,268.66)	466,771.40	NR	Aaa	AAA	1.79%	836
Nissan Abs	04/18/2016	01/15/2021	260,115.48	258,076.25	(2,039.23)	260,155.83	NR	Aaa	AAA	1.33%	746
Toyota Abs	02/23/2016	03/15/2020	291,672.73	290,775.17	(897.56)	291,689.27	AAA	Aaa	AA+u	1.25%	440
Toyota Abs	08/01/2016	08/15/2020	275,310.21	273,510.76	(1,799.45)	275,317.59	AAA	Aaa	NR	1.14%	593
Taot 2	01/23/2018	05/16/2022	999,988.50	990,385.00	(9,603.50)	1,000,000.00	AAA	Aaa	NR	2.35%	1,232
Taot	11/07/2017	01/15/2022	1,229,886.59	1,212,862.90	(17,023.69)	1,230,000.00	AAA	Aaa	AAA	2.26%	1,111
Toyota Abs	03/07/2017	02/15/2021	229,223.04	227,616.50	(1,606.54)	229,250.02	AAA	Aaa	NR	1.74%	777
<b>Total Asset-Backed Security</b>			<b>\$ 10,818,122.44</b>	<b>\$ 10,714,029.78</b>	<b>\$ (104,092.66)</b>	<b>\$ 10,819,250.27</b>				<b>1.85%</b>	<b>998</b>
<b>Certificates of Participation:</b>											
North County Transit District Certificates of Participation	12/06/2018	03/06/2019	\$ 24,300,000.00	\$ 24,300,000.00	\$ -	\$ 24,300,000.00	NR	A1		1.78%	65
<b>Total Certificates of Participation</b>			<b>\$ 24,300,000.00</b>	<b>\$ 24,300,000.00</b>	<b>\$ -</b>	<b>\$ 24,300,000.00</b>				<b>1.78%</b>	<b>65</b>
<b>Total investments</b>			<b>\$ 427,746,144.24</b>	<b>\$ 424,734,980.97</b>	<b>\$ (3,011,163.27)</b>	<b>N/A</b>				<b>1.85%</b>	<b>296</b>
<b>Total Portfolio:</b>			<b>\$ 963,985,570.93</b>	<b>\$ 960,550,731.92</b>	<b>\$ (3,434,839.01)</b>	<b>N/A</b>				<b>2.08%</b>	<b>188</b>

*Legend:*

- Automated Regional Justice Information System (ARJIS)
- Commercial Paper (CP)
- State of California Local Agency Investment Fund (LAIF)
- North County Transit District (NCTD)
- San Diego County Regional Transportation Commission (RTC)