



- **Quarterly Swap Report**

Summary

The attached quarterly report provides a summary of outstanding interest rate swaps.

Purpose

In accordance with Resolution No. 8773, as amended, and Section 5922 of the California Government Code.

Attachments

Attachment 1: Swap Quarterly Report, December 2018



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Date: January 7, 2019
To: Finance and Insurance Committee
From: June M. Skillman, Interim Assistant General Manager/Chief Financial Officer
Subject: Swap Quarterly Report - For the period ending December 31, 2018

This letter provides a summary of the interest rate swaps outstanding as of December 31, 2018. These transactions are consistent with board policy and Section 5922 of the California Government code, and have been executed to reduce debt service costs and reduce duration and interest rate risk.

As approved by the Board, Metropolitan has \$493.6 million in outstanding interest rate swaps. These transactions and their associated bonds have resulted in \$117.5 million in savings through the date of this report, including \$3.8 million, net present debt service savings, on the three swap termination transactions. The mark-to-market value plus the accrued interest of the swap portfolio is a negative \$49.2 million, reflecting interest rates, as of December 31, 2018, which were significantly lower than when these swaps were executed. Net exposure to all counterparties is within board-approved guidelines. As of December 31, 2018, Metropolitan had no collateral posted with any counterparties.

Staff will continue to monitor the market for opportunities and work with the committee on transactions that meet Metropolitan's policies and financial objectives.

A handwritten signature in blue ink, appearing to read "June M. Skillman".

June M. Skillman
Interim Chief Financial Officer/Assistant General Manager

Outstanding Swaps By Counterparty

<u>Swap</u>	<u>Amount Outstanding</u>	<u>Swap Counterparty</u>
2004C	\$6,349,500	Citigroup Financial Products Inc.
July 2005	29,057,500	Citigroup Financial Products Inc.
2002B	28,371,600	JPMorgan Chase Bank
2003	158,597,500	JPMorgan Chase Bank
July 2005	29,057,500	JPMorgan Chase Bank
2002A	75,838,400	Morgan Stanley Capital Services Inc.
2004C	7,760,500	Morgan Stanley Capital Services Inc.
2003	<u>158,597,500</u>	Wells Fargo Bank, N.A.
Total	\$493,630,000	

Summary of Counterparty Exposure and Notional Amount
(\$ in Millions)
December 31, 2018

<u>Swap Counterparty</u>	<u>Notional Amount Outstanding (1)</u>	<u>Net Exposure (2)</u>
Citigroup Financial Products Inc.	\$35.4	\$ (3.9)
JPMorgan Chase Bank	216.0	(22.2)
Morgan Stanley Capital Services Inc.	83.6	(6.4)
Wells Fargo Bank N.A.	<u>158.6</u>	<u>(16.7)</u>
Total	\$493.6	\$(49.2)

- (1) Metropolitan's Master Swap Policy, adopted by the Board on September 11, 2001, states "*The sum total notional amount per swap counterparty may not exceed 25 percent of Metropolitan's total revenue bond indebtedness.*" As of December 31, 2018, Metropolitan's total revenue bond indebtedness was \$4.1 billion. No swap counterparty currently exceeds the limitation of \$1.0 billion.
- (2) Shown from Metropolitan's perspective. Amounts in parenthesis (negative) mean that Metropolitan would pay the counterparty upon termination of all transactions. Positive amounts mean that the counterparty would pay Metropolitan. Includes mark-to-market fair value and accrued interest.

Counterparty Credit Ratings as of December 31, 2018

Swap Counterparty

S&P/Moody's/Fitch

Citigroup Financial Products Inc.	BBB+/Baa1/A
JPMorgan Chase Bank (1)	A+/Aa2/AA
Morgan Stanley Capital Services Inc.	BBB+/A3/A
Wells Fargo Bank, N.A.	A+/Aa2/AA-

(1) On October 23, 2018, Moody's upgraded JPMorgan Chase Bank's rating from Aa3 to Aa2.

Metropolitan is authorized to enter into interest rate swap transactions with qualified swap counterparties as outlined in its Master Swap Policy. Qualified swap counterparties must be rated at least "Aa3," or "AA-," or equivalent by any two of the nationally recognized rating agencies (Moody's, Standard and Poor's, and Fitch); or have an "AAA" subsidiary as rated by at least one nationally recognized credit rating agency.

Rating Agency Ratings

<u>Standard & Poor's</u>	<u>Moody's</u>	<u>Fitch</u>
AAA	Aaa	AAA
AA+	Aa1	AA+
AA	Aa2	AA
AA-	Aa3	AA-
A	A1	A+
A	A2	A
A-	A3	A-
BBB+	Baa1	BBB+
BBB	Baa2	BBB
BBB-	Baa3	BBB-

Debt Service Savings
As of December 31, 2018

<u>Swap Transactions</u>	<u>Projected Savings to-Date</u>	<u>Actual Savings to-Date</u>
2001 Series B	\$15.8 Million	\$ 8.7 Million (1)
2002 Series A-B	11.5 Million	17.5 Million
2003 Series	18.9 Million	29.8 Million
2004 Series A	12.1 Million	14.8 Million (1)
2004 Series C	7.6 Million	9.9 Million
2006 Series	4.0 Million	5.3 Million (1)
2006 Series A	<u>1.0 Million</u>	<u>1.2 Million (1)</u>
Total	\$70.9 Million	\$87.2 Million
Swap Termination Transactions		\$ 3.8 Million (2)
2002 Receiver Swap	NA	15.4 Million
2004 Basis Swap	NA	7.2 Million (3)
2006 CMS Swap	NA	0.3 Million (4)
2005 Basis Swap	NA	<u>3.6 Million (5)</u>
Total		\$30.3 Million
Total Savings to-Date		\$117.5 Million

- (1) The 2001 Series B, 2004 Series A, 2006 Series, and 2006 Series A swaps were terminated or matured as scheduled and are no longer outstanding. The projected and actual savings are as of the date the swaps were terminated or matured.
- (2) Projected net present value savings from swap termination transactions in June 2012, March 2014, and August 2014.
- (3) Includes impact of accumulated cash-flow savings and the \$1.05 million receipt for the 01/02/08 amendment of the JPMorgan 2004 Basis Swap.
- (4) Includes accumulated impact of negative cash-flow and the \$1.05 million termination receipt of 12/17/07.
- (5) Accumulated cash-flow savings and the \$2.7 million termination receipt of 1/11/07.

The Metropolitan Water District of Southern California- Swap Summary as of December 31, 2018

Purpose of Swap (1)	Swap	Notional Amount Outstanding	Counterparty	S&P/Moody's/Fitch	Effective Date	Maturity Date	Type of Swap	Metropolitan Pays	Metropolitan Receives	Mark-to-Market Value and Accrued Interest	Remaining Average Life	Collateral Posting	
(A)	2001 B	\$-0-	Deutsche Bank AG	NA	9/6/2001	7/1/2020	Floating to Fixed	4.219%	SIFMA minus 35 basis points	\$-0-			
	2001 B	-0-	JPMorgan Chase Bank	NA	9/6/2001	7/1/2020	Floating to Fixed	4.219%	SIFMA minus 35 basis points	-0-			
(B)	2002 A	75,838,400	Morgan Stanley Capital Services Inc.	BBB+/A3/A	9/12/2002	7/1/2025	Floating to Fixed	3.300%	57.74% of One Month LIBOR	(5,696,000)	3.7 Years	No	
	2002 B	28,371,600	JPMorgan Chase Bank	A+/Aa2/AA	9/12/2002	7/1/2025	Floating to Fixed	3.300%	57.74% of One Month LIBOR	(2,129,300)	3.7 Years	No	
(C)	2003	158,597,500	Wells Fargo Bank NA	A+/Aa2/AA-	12/18/2003	7/1/2030	Floating to Fixed	3.257%	61.20% of One Month LIBOR	(16,680,000)	6.6 Years	No	
	2003	158,597,500	JPMorgan Chase Bank	A+/Aa2/AA	12/18/2003	7/1/2030	Floating to Fixed	3.257%	61.20% of One Month LIBOR	(16,680,000)	6.6 Years	No	
(D)	2004 A	-0-	Morgan Stanley Capital Services Inc.	NA	2/19/2004	7/1/2023	Floating to Fixed	2.917%	61.20% of One Month LIBOR	-0-			
(E)	2004 C	7,760,500	Morgan Stanley Capital Services Inc.	BBB+/A3/A	11/16/2004	10/1/2029	Floating to Fixed	2.980%	61.55% of One Month LIBOR	(734,300)	7.5 Years	No	
	2004 C	6,349,500	Citigroup Financial Products Inc.	BBB+/Baa1/A	11/16/2004	10/1/2029	Floating to Fixed	2.980%	61.55% of One Month LIBOR	(601,100)	7.5 Years	No	
(F)	2005	29,057,500	JPMorgan Chase Bank	A+/Aa2/AA	7/6/2005	7/1/2030	Floating to Fixed	3.360%	70.0% of Three Month LIBOR	(3,343,000)	8.5 Years	No	
	2005	29,057,500	Citigroup Financial Products Inc.	BBB+/Baa1/A	7/6/2005	7/1/2030	Floating to Fixed	3.360%	70.0% of Three Month LIBOR	(3,351,500)	8.5 Years	No	
(G)	2006	-0-	Deutsche Bank AG	NA	4/4/2006	7/1/2021	Floating to Fixed	3.210%	63.00% of Three Month LIBOR	-0-			
	2006	-0-	JPMorgan Chase Bank	NA	4/4/2006	7/1/2021	Floating to Fixed	3.210%	63.00% of Three Month LIBOR	-0-			
(H)	2006 A	-0-	Deutsche Bank AG	NA	4/4/2006	6/29/2012	Floating to Fixed	2.911%	63.00% of Three Month LIBOR	-0-			
	2006 A	-0-	JPMorgan Chase Bank	NA	4/4/2006	6/29/2012	Floating to Fixed	2.911%	63.00% of Three Month LIBOR	-0-			
(I)	2004 Basis	-0-	JPMorgan Chase Bank	NA	5/19/2004	7/1/2014	Floating to Floating	SIFMA	70% of One Month LIBOR plus 31.5 basis points	-0-			
Total		\$ 493,630,000									\$(49,215,200)		

(1) See footnotes on Attachment 1, page 7

Purpose of the Swap Transactions:

- A. The 2001B swap was executed in conjunction with the issuance of the 2001 Series B variable rate bonds, to provide funds to refund portions of the 1992 Water Revenue Bond issue and the 1993 Series B Water Revenue Bonds. The transaction was expected to achieve debt service savings of \$25.7 million and net present value savings of \$15.0 million. On June 28, 2012 the entire 2001B swap was terminated with a payment \$36.2 million, representing the fair market value of the terminated 2001 swap. Debt service savings of \$8.7 million were realized, versus projected savings of \$15.8 million.
- B. The 2002A and 2002B swaps were executed in conjunction with the issuance of 2002 Series A and Series B Variable Rate Demand Bonds, to provide funds to refund portions of the 1992 Water Revenue Bonds, the 1995 Series A Water Revenue bonds and the 1999 Series A Water Revenue Bonds. The transaction was expected to achieve debt service savings of \$15.6 million and net present value savings of \$9.7 million. On July 28, 2014, \$16.56 million of the 2002A and 2002B swaps were partially terminated (maturities from 7/1/2015-7/1/2019) with a payment of \$1.4 million, representing the fair market value of the terminated 2002A and 2002B swaps.
- C. The 2003 swaps were executed in conjunction with the issuance of the 2003 Series C1- C3 variable rate bonds, sold on December 18, 2003, to provide funds to refund a portion of the 1996 Series C Water Revenue Bonds and the 1997 Series A Water Revenue bonds. The transaction was expected to achieve debt service savings of \$33.3 million and net present value savings of \$21.1 million. On July 28, 2014, \$7.97 million of the 2003 swaps were partially terminated (maturities from 7/1/2015-7/1/2019) with a payment of \$596,500, representing the fair market value of the terminated 2003 swaps.
- D. The 2004A swap was executed in conjunction with the issuance of 2004 Series A variable rate bonds, sold on February 19, 2004, to provide funds to refund a portion of the 1996 Series C Water Revenue Bonds, the 1997 Series A Water Revenue bonds and the 1999 Series A Water Revenue Bonds. The transaction was expected to achieve debt service savings of \$29.3 million and net present value savings of \$11.4 million. On June 28, 2012, \$60.43 million of the 2004A swap was partially terminated (maturities from 7/1/2013-7/1/2018) with a payment of \$ 6.3 million, representing the fair market value of the terminated 2004A swap. On February 12, 2014, \$15.3 million of the 2004A swap was partially terminated (maturities from 7/1/2019-7/1/2020) with a payment of \$ 1.5 million, representing the fair market value of the terminated 2004A swap. On July 28, 2014, the remaining \$79.185 million of the 2004 swap was terminated, with a payment of \$9.1 million, representing the fair market value of the terminated 2004 swap.
- E. The 2004C swap was executed in conjunction with the issuance of the 2004 Series C variable rate bonds sold on November 16, 2004. Proceeds were used to refund a portion of the 1996 Series B Water Revenue Bonds, the 1996 Series C Water Revenue Bonds and the 1997 Series A Water Revenue bonds. The transaction was expected to achieve debt service savings of \$14.4 million and net present value savings of \$11.0 million. On June 28, 2012, \$26.35 million of the 2004 C swap was partially terminated (maturities from 10/1/2013-10/1/2017) with a payment of \$ 3.1 million, representing the fair market value of the terminated 2004 C swap. On February 12, 2014, \$90.1 million of the 2004C swaps were terminated (maturities from 10/1/2018-10/1/2020) with a payment of \$9.3 million, representing the fair market value of the terminated 2004 C swaps.
- F. The 2005 swaps were executed to lock-in a fixed rate of 3.36% for approximately \$117.1 million of Metropolitan's variable rate debt. On July 28, 2014, \$58.98 million of the 2005 swaps were partially terminated (maturities from 7/1/2015-7/1/2024) with a payment of \$5.1million, representing the fair market value of the terminated 2005 swaps.
- G. The 2006 swap was executed with the issuance of the 2006 Series A1 and A2 variable rate bonds to provide funds to refund a portion of the 1996 Series B Water Revenue Bonds. The transaction was expected to achieve debt service savings of \$8.3 million and net present value savings of \$4.8 million. On June 28, 2012, \$20.49 million of the 2006 swap was terminated (maturities from 7/1/2013-7/1/2018) with a payment of \$1.6 million, representing the fair market value of the terminated 2006 swap. On February 12, 2014, the remaining \$41.4 million of the 2006 swaps were terminated, with a payment of \$.7 million, representing the fair market value of the terminated 2006 swaps.
- H. The 2006A swap was executed with the issuance of the 2006 Series A1 and A2 variable rate bonds to provide funds to refund a portion of the 1996 Series B Water Revenue Bonds. The transaction was expected to achieve debt service savings of \$1.0 million and net present value savings of \$610,000. The 2006A swap matured as scheduled, on June 29, 2012. Total debt service savings from the 2006A swap transaction was \$1.22 million.
- I. The 2004 basis swap was executed to achieve debt service savings, estimated to be \$400,000 to \$1.1 million per year, depending on actual tax-exempt to taxable ratios. The 2004 basis swap matured, as scheduled, on July 1, 2014.