

NEW ISSUE – BOOK-ENTRY ONLY

RATINGS: See the caption “RATINGS”

In the opinion of Stradling Yocca Carlson & Rauth, a Professional Corporation, Bond Counsel, under existing statutes, regulations, rulings and judicial decisions, and assuming the accuracy of certain representations and compliance with certain covenants and requirements described in this Official Statement, interest on the 2020A Bonds is excluded from gross income for federal income tax purposes and is not an item of tax preference for purposes of calculating the federal alternative minimum tax imposed on individuals. In the further opinion of Bond Counsel, interest on the 2020A Bonds is exempt from State of California personal income tax. See the caption “TAX EXEMPTION” with respect to tax consequences relating to the 2020A Bonds.

STATE OF CALIFORNIA

COUNTY OF RIVERSIDE



\$122,145,000

**EASTERN MUNICIPAL WATER DISTRICT FINANCING AUTHORITY
REFUNDING WATER AND WASTEWATER REVENUE BONDS, SERIES 2020A**

Dated: Date of Delivery

Due: July 1, as shown on inside front cover

The 2020A Bonds are being issued in fully registered form and, when issued, will be registered in the name of Cede & Co., as nominee of The Depository Trust Company, New York, New York. Individual purchases will be made in denominations of \$5,000 and integral multiples thereof and will be in book-entry form only. Purchasers of the 2020A Bonds will not receive certificates representing their beneficial ownership in the 2020A Bonds but will receive credit balances on the books of their respective nominees. Interest on the 2020A Bonds is payable on January 1 and July 1 of each year, commencing January 1, 2021. Payment of the principal of and interest on the 2020A Bonds is to be made to Cede & Co., which is to disburse said payments to the Beneficial Owners of the 2020A Bonds through their nominees.

The 2020A Bonds are subject to optional redemption prior to maturity as more fully described herein.

The 2020A Bonds are being issued to provide funds: (i) to refund all of the District’s Refunding Water and Wastewater Revenue Bonds, Series 2015A, Refunding Water and Wastewater Revenue Bonds, Series 2017A and Refunding Water and Wastewater Revenue Bonds, Series 2017B; and (ii) to pay costs incurred in connection with the issuance of the 2020A Bonds.

The 2020A Bonds are being delivered pursuant to the Indenture of Trust, dated as of May 1, 2020, by and between the Eastern Municipal Water District Financing Authority and U.S. Bank National Association, as Trustee. THE 2020A BONDS ARE A SPECIAL LIMITED OBLIGATION OF THE AUTHORITY PAYABLE SOLELY FROM AUTHORITY REVENUES, WHICH CONSIST OF INSTALLMENT PAYMENTS TO BE MADE BY THE DISTRICT TO THE AUTHORITY PURSUANT TO THE INSTALLMENT PURCHASE AGREEMENT, DATED AS OF MAY 1, 2020, BY AND BETWEEN THE DISTRICT AND THE AUTHORITY, AND FROM CERTAIN OTHER FUNDS AND ACCOUNTS HELD BY THE TRUSTEE PURSUANT TO THE INDENTURE. NEITHER THE FULL FAITH AND CREDIT NOR ANY OTHER REVENUES OR FUNDS OF THE AUTHORITY ARE PLEDGED TO OR AVAILABLE FOR THE PAYMENT OF DEBT SERVICE ON THE 2020A BONDS. THE OBLIGATION OF THE AUTHORITY TO MAKE PAYMENTS OF PRINCIPAL OF AND INTEREST ON THE 2020A BONDS DOES NOT CONSTITUTE AN OBLIGATION FOR WHICH THE AUTHORITY IS OBLIGATED TO LEVY OR PLEDGE ANY FORM OF TAXATION OR FOR WHICH THE AUTHORITY HAS LEVIED OR PLEDGED ANY FORM OF TAXATION. THE AUTHORITY HAS NO TAXING POWER.

The obligation of the District to pay the Installment Payments is: (i) subordinate to the obligation of the District to make payments on certain obligations of the District currently outstanding in the aggregate principal amount of \$4,750,000; and (ii) on a parity with the obligation of the District to make payments on certain obligations of the District currently outstanding in the aggregate principal amount of \$827,369,264 and the obligation of the District to make regularly scheduled payments on two interest rate swap agreements. The District may incur additional obligations payable on a senior basis to the Installment Payments, subject to the terms and conditions of the Master Resolution, as more fully described herein. The District may also incur additional obligations payable from Net Revenues on a parity with the Installment Payments, subject to the terms and conditions of the Installment Purchase Agreement, as more fully described herein.

THE OBLIGATION OF THE DISTRICT TO MAKE INSTALLMENT PAYMENTS PURSUANT TO THE INSTALLMENT PURCHASE AGREEMENT DOES NOT CONSTITUTE AN OBLIGATION FOR WHICH THE DISTRICT IS OBLIGATED TO LEVY OR PLEDGE ANY FORM OF TAXATION OR FOR WHICH THE DISTRICT HAS LEVIED OR PLEDGED ANY FORM OF TAXATION. THE OBLIGATION OF THE DISTRICT TO MAKE THE INSTALLMENT PAYMENTS IS A SPECIAL LIMITED OBLIGATION OF THE DISTRICT PAYABLE SOLELY FROM NET REVENUES OF THE DISTRICT’S WATER AND SEWER SYSTEM, CONSISTING OF WATER AND SEWER REVENUES REMAINING AFTER PAYING MAINTENANCE AND OPERATION COSTS AND PARITY OBLIGATIONS, AND DOES NOT CONSTITUTE A DEBT OF THE DISTRICT OR OF THE STATE OF CALIFORNIA OR OF ANY POLITICAL SUBDIVISION THEREOF IN CONTRAVENTION OF ANY CONSTITUTIONAL OR STATUTORY DEBT LIMITATION OR RESTRICTION.

THIS COVER PAGE CONTAINS CERTAIN INFORMATION FOR REFERENCE ONLY. IT IS NOT A SUMMARY OF THIS ISSUE. INVESTORS MUST READ THE ENTIRE OFFICIAL STATEMENT TO OBTAIN INFORMATION ESSENTIAL TO THE MAKING OF AN INFORMED INVESTMENT DECISION.

MATURITY SCHEDULE

(See inside front cover)

The 2020A Bonds are offered when, as and if issued and received by the Underwriters, subject to the approval of the valid, legal and binding nature of the 2020A Bonds by Stradling Yocca Carlson & Rauth, a Professional Corporation, Newport Beach, California, Bond Counsel, and certain other conditions. Certain legal matters will be passed upon for the District and the Authority by Olivarez Madruga Lemieux O’Neill, LLP, Westlake Village, California, for the Underwriters by their counsel, Nixon Peabody LLP, Los Angeles, California, and for the Trustee by its counsel. It is anticipated that the 2020A Bonds will be available for delivery through the facilities of The Depository Trust Company on or about May 27, 2020.

BofA Securities

J.P. Morgan

Dated: May 20, 2020

\$122,145,000
EASTERN MUNICIPAL WATER DISTRICT FINANCING AUTHORITY
REFUNDING WATER AND WASTEWATER REVENUE BONDS, SERIES 2020A

MATURITY SCHEDULE
BASE CUSIP[†] 27677S

<u>Maturity Date</u> <u>(July 1)</u>	<u>Principal</u> <u>Amount</u>	<u>Interest</u> <u>Rate</u>	<u>Yield</u>	<u>Price</u>	<u>CUSIP[†]</u> <u>Suffix</u>
2024	\$ 2,540,000	5.000%	0.440%	118.482	AX1
2025	2,710,000	5.000	0.550	122.324	AY9
2026	2,870,000	5.000	0.680	125.746	AZ6
2027	2,985,000	5.000	0.780	129.069	BA0
2028	3,185,000	2.750	0.850	114.831	BB8
2029	3,345,000	5.000	0.950	135.205	BC6
2030	3,530,000	5.000	1.060	137.622	BD4
2031	3,735,000	5.000	1.180	136.251 ^C	BE2
2032	3,935,000	5.000	1.310	134.783 ^C	BF9
2033	4,195,000	5.000	1.410	133.666 ^C	BG7
2034	4,450,000	5.000	1.450	133.223 ^C	BH5
2035	4,700,000	5.000	1.500	132.671 ^C	BJ1
2036	24,960,000	5.000	1.510	132.560 ^C	BK8
2037	13,290,000	4.000	1.830	119.916 ^C	BM4
2037	13,480,000	5.000	1.560	132.012 ^C	BL6
2038	28,235,000	4.000	1.870	119.509 ^C	BN2

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^C Priced to first optional redemption date of July 1, 2030 at par.

EASTERN MUNICIPAL WATER DISTRICT FINANCING AUTHORITY

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Jeff Wall, Assistant General Manager, Operations and Maintenance
Joe Mouawad, Assistant General Manager, Planning, Engineering and Construction
Charles Turner, Chief Financial Officer/Treasurer
Sheila Zelaya, Board Secretary

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Westlake Village, California

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Newport Beach, California

MUNICIPAL ADVISOR

PFM Financial Advisors LLC
Los Angeles, California

TRUSTEE

U.S. Bank National Association
Los Angeles, California

VERIFICATION AGENT

Robert Thomas CPA
Overland Park, Kansas

No dealer, broker, salesperson or other person has been authorized by the District or the Authority to give any information or to make any representations in connection with the offer or sale of the 2020A Bonds other than those contained herein and, if given or made, such other information or representations must not be relied upon as having been authorized by the District or the Authority. This Official Statement does not constitute an offer to sell or the solicitation of an offer to buy, nor shall there be any sale of the 2020A Bonds by a person in any jurisdiction in which it is unlawful for such person to make such an offer, solicitation or sale.

This Official Statement is not to be construed as a contract with the purchasers or Owners of the 2020A Bonds. Statements contained in this Official Statement which involve estimates, forecasts or matters of opinion, whether or not expressly so described herein, are intended solely as such and are not to be construed as representations of fact.

The Underwriters have provided the following sentence for inclusion in this Official Statement:

The Underwriters have reviewed the information in this Official Statement in accordance with, and as a part of, their responsibilities to investors under the federal securities laws as applied to the facts and circumstances of this transaction, but the Underwriters do not guarantee the accuracy or completeness of such information.

This Official Statement and the information contained herein are subject to completion or amendment without notice and neither delivery of this Official Statement nor any sale made hereunder shall, under any circumstances, create any implication that there has been no change in the affairs of the District or the Authority or any other parties described herein since the date hereof. These securities may not be sold, nor may an offer to buy these securities be accepted prior to the time that the Official Statement is delivered in final form. This Official Statement is being submitted in connection with the sale of the 2020A Bonds referred to herein and may not be reproduced or used, in whole or in part, for any other purpose, unless authorized in writing by the District. All summaries of documents and laws are made subject to the provisions thereof and do not purport to be complete statements of any or all such provisions.

Certain statements included or incorporated by reference in this Official Statement constitute “forward-looking statements” within the meaning of the United States Private Securities Litigation Reform Act of 1995, Section 21E of the United States Securities Exchange Act of 1934, as amended, and Section 27A of the United States Securities Act of 1933, as amended. Such statements are generally identifiable by the terminology used such as “plan,” “expect,” “estimate,” “project,” “budget,” “intend” or similar words. Such forward-looking statements include, but are not limited to, certain statements contained in Appendix A.

THE ACHIEVEMENT OF CERTAIN RESULTS OR OTHER EXPECTATIONS CONTAINED IN SUCH FORWARD-LOOKING STATEMENTS INVOLVE KNOWN AND UNKNOWN RISKS, UNCERTAINTIES AND OTHER FACTORS WHICH MAY CAUSE ACTUAL RESULTS, PERFORMANCE OR ACHIEVEMENTS DESCRIBED TO BE MATERIALLY DIFFERENT FROM ANY FUTURE RESULTS, PERFORMANCE OR ACHIEVEMENTS EXPRESSED OR IMPLIED BY SUCH FORWARD-LOOKING STATEMENTS. THE DISTRICT DOES NOT PLAN TO ISSUE ANY UPDATES OR REVISIONS TO THE FORWARD-LOOKING STATEMENTS SET FORTH IN THIS OFFICIAL STATEMENT. IN EVALUATING SUCH STATEMENTS, POTENTIAL INVESTORS SHOULD SPECIFICALLY CONSIDER THE VARIOUS FACTORS WHICH COULD CAUSE ACTUAL EVENTS OR RESULTS TO DIFFER MATERIALLY FROM THOSE INDICATED BY SUCH FORWARD-LOOKING STATEMENTS.

THE 2020A BONDS HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED, IN RELIANCE UPON AN EXEMPTION CONTAINED IN SUCH ACT, AND HAVE NOT BEEN REGISTERED OR QUALIFIED UNDER THE SECURITIES LAWS OF ANY STATE.

The District maintains an Internet website; however, information presented on such website is not a part of this Official Statement and should not be relied upon in making an investment decision with respect to the 2020A Bonds.

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SUMMARY STATEMENT

This summary is subject in all respects to the more complete information contained in this Official Statement, and the offering of the 2020A Bonds to potential investors is made only by means of the entire Official Statement.

Purpose. The 2020A Bonds are being issued to provide funds: (i) to refund all of the District's Refunding Water and Wastewater Revenue Bonds, Series 2015A, Refunding Water and Wastewater Revenue Bonds, Series 2017A and Refunding Water and Wastewater Revenue Bonds, Series 2017B, as discussed under the caption "THE REFUNDING PLAN;" and (ii) to pay costs incurred in connection with the issuance of the 2020A Bonds. See the caption "ESTIMATED SOURCES AND USES OF FUNDS."

Security for the 2020A Bonds. The 2020A Bonds are a special limited obligation of the Authority payable solely from Authority Revenues, which consist of Installment Payments to be made by the District to the Authority pursuant to the Installment Purchase Agreement, and from amounts on deposit in certain funds and accounts established by the Indenture. Neither the full faith and credit nor any other revenues or funds of the Authority are pledged to or available for the payment of debt service on the 2020A Bonds. THE OBLIGATION OF THE AUTHORITY TO MAKE PAYMENTS OF PRINCIPAL AND INTEREST ON THE 2020A BONDS DOES NOT CONSTITUTE AN OBLIGATION FOR WHICH THE AUTHORITY IS OBLIGATED TO LEVY OR PLEDGE ANY FORM OF TAXATION OR FOR WHICH THE AUTHORITY HAS LEVIED OR PLEDGED ANY FORM OF TAXATION. THE AUTHORITY HAS NO TAXING POWER.

The obligation of the District to make Installment Payments is a special limited obligation of the District payable solely from Net Revenues of the District's Water and Sewer System, consisting of Water and Sewer Revenues remaining after paying Maintenance and Operation Costs and Parity Obligations that are currently outstanding in the aggregate principal amount of \$4,750,000.

The obligation of the District to make Installment Payments is on a parity with the obligation of the District to make payments on approximately \$827,369,264 aggregate principal amount of Bonds and Contracts and the obligation of the District to make regularly scheduled payments on two interest rate swap agreements. See Appendix A under the caption "THE DISTRICT—Debt Structure of the District."

The obligation of the District to make the Installment Payments under the Installment Purchase Agreement is absolute and unconditional, and until such time as all payments required thereunder have been paid in full (or provision for the payment thereof has been made as provided for in the Installment Purchase Agreement), the District will not discontinue or suspend any Installment Payments that are required to be made by it under the Installment Purchase Agreement when due, whether or not the Water and Sewer System or any part thereof is operating or operable, or its use is suspended, interfered with, reduced or curtailed or terminated in whole or in part, and whether or not the Project has been completed, and such payments will not be subject to reduction whether by offset or otherwise and will not be conditional upon the performance or nonperformance by any party of any agreement for any cause whatsoever.

THE OBLIGATION OF THE DISTRICT TO MAKE INSTALLMENT PAYMENTS PURSUANT TO THE INSTALLMENT PURCHASE AGREEMENT DOES NOT CONSTITUTE AN OBLIGATION FOR WHICH THE DISTRICT IS OBLIGATED TO LEVY OR PLEDGE ANY FORM OF TAXATION OR FOR WHICH THE DISTRICT HAS LEVIED OR PLEDGED ANY FORM OF TAXATION. THE OBLIGATION OF THE DISTRICT TO MAKE THE INSTALLMENT PAYMENTS IS A SPECIAL LIMITED OBLIGATION OF THE DISTRICT PAYABLE SOLELY FROM NET REVENUES AND DOES NOT CONSTITUTE A DEBT OF THE DISTRICT OR OF THE STATE OF CALIFORNIA OR OF ANY POLITICAL SUBDIVISION THEREOF IN CONTRAVENTION OF ANY CONSTITUTIONAL OR STATUTORY DEBT LIMITATION OR RESTRICTION.

Rate Covenant. To the fullest extent permitted by law, the District will fix and prescribe, at the commencement of each Fiscal Year, rates and charges for the Water and Sewer Service which are reasonably expected, at the commencement of such Fiscal Year, to be at least sufficient to yield during such Fiscal Year Net Revenues equal to 115% of the Debt Service for such Fiscal Year. The District may make adjustments from time to time in such rates and charges and may make such classification thereof as it deems necessary, but will not reduce the rates and charges then in effect unless the Net Revenues from such reduced rates and charges will at all times be sufficient to meet the foregoing requirements. See the caption “SECURITY FOR THE 2020A BONDS—Rate Covenant.”

Additional Indebtedness. The District may make additional pledges of, and place additional liens, on the Water and Sewer Revenues that are senior to the pledge and lien securing the payment of the Installment Payments in accordance with the Master Resolution. The District may incur Bonds or Contracts payable on a parity with the Installment Payments provided that certain conditions are satisfied as described herein. Nothing in the Master Resolution or the Installment Purchase Agreement precludes the District from entering into obligations which are Maintenance and Operation Costs and, therefore, payable from Water and Sewer Revenues prior to the Installment Payments, or from issuing any bonds or executing contracts the payments under which are payable from Net Revenues subordinate to Bonds or Contracts of the District. See the caption “SECURITY FOR THE 2020A BONDS—Additional Obligations.”

Redemption. The 2020A Bonds are subject to optional redemption prior to maturity. See the caption “THE 2020A BONDS—Redemption.”

Information Regarding the District. See Appendix A for financial, statistical and operating information regarding the District and its service area and Appendix B for the District’s audited financial statements for the Fiscal Year ended June 30, 2019.

\$122,145,000
EASTERN MUNICIPAL WATER DISTRICT FINANCING AUTHORITY
REFUNDING WATER AND WASTEWATER REVENUE BONDS, SERIES 2020A

INTRODUCTION

This Official Statement, including the cover page and all appendices, provides certain information concerning the sale and delivery of the Eastern Municipal Water District Financing Authority Refunding Water and Wastewater Revenue Bonds, Series 2020A (the “**2020A Bonds**”). Descriptions and summaries of various documents that are set forth in this Official Statement do not purport to be comprehensive or definitive, and reference is made to each document for complete details of all terms and conditions. All statements herein are qualified in their entirety by reference to each document. Capitalized terms that are used and not otherwise defined in this Official Statement have the meanings ascribed thereto in Appendix C.

The 2020A Bonds are being issued to provide funds: (i) to refund all of the District’s Refunding Water and Wastewater Revenue Bonds, Series 2015A (the “**2015A Bonds**”), Refunding Water and Wastewater Revenue Bonds, Series 2017A (the “**2017A Bonds**”) and Refunding Water and Wastewater Revenue Bonds, Series 2017B (the “**2017B Bonds**”), as discussed under the caption “THE REFUNDING PLAN;” and (ii) to pay costs incurred in connection with the issuance of the 2020A Bonds.

The 2020A Bonds are being issued pursuant to an Indenture of Trust, dated as of May 1, 2020 (the “**Indenture**”), by and between the Eastern Municipal Water District Financing Authority (the “**Authority**”) and U.S. Bank National Association, Los Angeles, California, as trustee (the “**Trustee**”). The 2020A Bonds are limited obligations of the Authority payable solely from Authority Revenues, which consist of payments (the “**Installment Payments**”) to be made by the Eastern Municipal Water District (the “**District**”) to the Authority pursuant to an Installment Purchase Agreement, dated as of May 1, 2020 (the “**Installment Purchase Agreement**”), by and between the District and the Authority, and from amounts on deposit in certain funds and accounts established by the Indenture.

The obligation of the District to make Installment Payments is a special limited obligation of the District payable solely from Net Revenues of the District’s Water and Sewer System, consisting of Water and Sewer Revenues remaining after paying Maintenance and Operation Costs and Parity Obligations that are currently outstanding in the aggregate principal amount of \$4,750,000. See the caption “SECURITY FOR THE 2020A BONDS.”

The obligation of the District to make Installment Payments is payable from Net Revenues on a parity with the obligation of the District make payments on certain obligations of the District currently outstanding in the aggregate principal amount of \$827,369,264 and the obligation of the District to make regularly scheduled payments on two interest rate swap agreements. See Appendix A under the caption “THE DISTRICT—Debt Structure of the District.”

The District may incur additional Parity Obligations, which are payable on a senior basis to the Installment Payments, subject to the terms and conditions of the Master Resolution, as more fully described under the caption “SECURITY FOR THE 2020A BONDS—Additional Obligations—Issuance of Additional Parity Obligations.” The District may also incur additional obligations payable from Net Revenues on a parity with the Installment Payments, subject to the terms and conditions of the Indenture, as more fully described under the caption “SECURITY FOR THE 2020A BONDS—Additional Obligations—Issuance of Additional Subordinate Obligations.”

The summaries and references to the Master Resolution, the Indenture, the Installment Purchase Agreement, the Continuing Disclosure Certificate executed by the District as of the date of issuance of the 2020A Bonds (the “**Continuing Disclosure Certificate**”) and all other documents, statutes, reports and other instruments that are referred to herein do not purport to be complete, comprehensive or definitive, and each

such summary or reference is qualified in its entirety by the provisions of the full such document, statute, report or instrument, copies of which are available for inspection at the offices of the District in Perris, California or from the Trustee upon request and payment of duplication cost. The capitalization of any word that is not conventionally capitalized or otherwise defined herein indicates that such word is defined in the Master Resolution, the Installment Purchase Agreement or the Indenture and, as used herein, has the meaning given to it in the Master Resolution, the Installment Purchase Agreement or the Indenture, as applicable. See Appendix C for summaries of certain provisions of the Master Resolution, the Installment Purchase Agreement and the Indenture. Unless otherwise indicated, all financial and statistical information in this Official Statement has been provided by the District.

The District regularly prepares a variety of reports, including audits, budgets and related items. Any 2020A Bond Owner can obtain a copy of publicly available information from the District. Additional information concerning the Official Statement may be obtained by contacting the Trustee or the District's Director of Finance, P.O. Box 8300, Perris, California 92572-8300, Telephone (951) 928-3777.

Certain statements included or incorporated by reference in this Official Statement constitute "forward-looking statements" within the meaning of the United States Private Securities Litigation Reform Act of 1995, Section 21E of the United States Securities Exchange Act of 1934, as amended, and Section 27A of the United States Securities Act of 1933, as amended. Such statements are generally identifiable by the terminology used such as "plan," "expect," "estimate," "project," "budget" or other similar words. Such forward-looking statements include, but are not limited to, certain statements contained in Appendix A.

THE ACHIEVEMENT OF CERTAIN RESULTS OR OTHER EXPECTATIONS CONTAINED IN SUCH FORWARD-LOOKING STATEMENTS INVOLVE KNOWN AND UNKNOWN RISKS, UNCERTAINTIES AND OTHER FACTORS WHICH MAY CAUSE ACTUAL RESULTS, PERFORMANCE OR ACHIEVEMENTS DESCRIBED TO BE MATERIALLY DIFFERENT FROM ANY FUTURE RESULTS, PERFORMANCE OR ACHIEVEMENTS EXPRESSED OR IMPLIED BY SUCH FORWARD-LOOKING STATEMENTS.

THE REFUNDING PLAN

2015A Bonds

The District issued the 2015A Bonds, which are currently outstanding in the aggregate principal amount of \$50,000,000, pursuant to the Indenture of Trust, dated as of June 1, 2015 (the "2015A Indenture"), by and between the District and U.S. Bank National Association, as successor trustee (the "2015A Trustee"). The District plans to apply a portion of the proceeds of the 2020A Bonds to refund all of the 2015A Bonds. Information about the 2015A Bonds is set forth below.

<i>Principal Payment Date (July 1)</i>	<i>Outstanding Principal Amount of 2015A Bonds</i>	<i>CUSIP®* (27627T)</i>
2038	\$ 50,000,000	AG7

The District will cause a portion of the proceeds of the 2020A Bonds to be delivered to the 2015A Trustee. Such moneys, together with certain moneys held in funds and accounts established in connection with the 2015A Bonds, will be applied on or about June 10, 2020 to refund all of the 2015A Bonds at a redemption price equal to the principal amount of the 2015A Bonds refunded, plus interest accrued to such date.

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Sufficiency of the deposits with the 2015A Trustee for such purposes will be verified by Robert Thomas CPA, Overland Park, Kansas (the “**Verification Agent**”). Assuming the accuracy of such computations, as a result of the deposit and application of funds as provided above, the 2015A Bonds will be defeased pursuant to the provisions of the 2015A Indenture as of the date of issuance of the Bonds.

Upon the issuance of the 2020A Bonds, the Verification Agent will deliver a report on the mathematical accuracy of certain computations based upon certain information provided to it by the Underwriters relating to the adequacy of the moneys deposited with the 2015A Trustee to pay the redemption price of the 2015A Bonds.

The amounts held by the 2015A Trustee for the redemption of the 2015A Bonds are pledged solely to the payment of the 2015A Bonds. Neither the funds deposited with the 2015A Trustee nor any interest thereon will be available for the payment of principal of or interest on the 2020A Bonds.

2017A Bonds

The District issued the 2017A Bonds, which are currently outstanding in the aggregate principal amount of \$54,810,000, pursuant to the Indenture of Trust, dated as of April 1, 2017 (the “**2017A Indenture**”), by and between the District and U.S. Bank National Association, as trustee (the “**2017A Trustee**”). The District plans to apply a portion of the proceeds of the 2020A Bonds to refund all of the 2017A Bonds. Information about the 2017A Bonds is set forth below.

<i>Principal Payment Date (July 1)</i>	<i>Outstanding Principal Amount of 2017A Bonds</i>	<i>CUSIP®* (27627T)</i>
2035	\$ 54,810,000	BL5

The District will cause a portion of the proceeds of the 2020A Bonds to be delivered to the 2017A Trustee. Such moneys, together with certain moneys held in funds and accounts established in connection with the 2017A Bonds, will be applied on or about June 10, 2020 to refund all of the 2017A Bonds at a redemption price equal to the principal amount of the 2017A Bonds refunded, plus interest accrued to such date.

Sufficiency of the deposits with the 2017A Trustee for such purposes will be verified by the Verification Agent. Assuming the accuracy of such computations, as a result of the deposit and application of funds as provided above, the 2017A Bonds will be defeased pursuant to the provisions of the 2017A Indenture as of the date of issuance of the Bonds.

Upon the issuance of the 2020A Bonds, the Verification Agent will deliver a report on the mathematical accuracy of certain computations based upon certain information provided to it by the Underwriters relating to the adequacy of the moneys deposited with the 2017A Trustee to pay the redemption price of the 2017A Bonds.

The amounts held by the 2017A Trustee for the redemption of the 2017A Bonds are pledged solely to the payment of the 2017A Bonds. Neither the funds deposited with the 2017A Trustee nor any interest thereon will be available for the payment of principal of or interest on the 2020A Bonds.

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2017B Bonds

The District issued the 2017B Bonds, which are currently outstanding in the aggregate principal amount of \$50,225,000, pursuant to the Indenture of Trust, dated as of April 1, 2017 (the “**2017B Indenture**”), by and between the District and U.S. Bank National Association, as trustee (the “**2017B Trustee**”). The District plans to apply a portion of the proceeds of the 2020A Bonds to refund all of the 2017B Bonds. Information about the 2017B Bonds is set forth below.

<i>Principal Payment Date (July 1)</i>	<i>Outstanding Principal Amount of 2017B Bonds</i>	<i>CUSIP®* (27627T)</i>
2038	\$ 50,225,000	BM3

The District will cause a portion of the proceeds of the 2020A Bonds to be delivered to the 2017B Trustee. Such moneys, together with certain moneys held in funds and accounts established in connection with the 2017B Bonds, will be applied on or about June 10, 2020 to refund all of the 2017B Bonds at a redemption price equal to the principal amount of the 2017B Bonds refunded, plus interest accrued to such date.

Sufficiency of the deposits with the 2017B Trustee for such purposes will be verified by the Verification Agent. Assuming the accuracy of such computations, as a result of the deposit and application of funds as provided above, the 2017B Bonds will be defeased pursuant to the provisions of the 2017B Indenture as of the date of issuance of the Bonds.

Upon the issuance of the 2020A Bonds, the Verification Agent will deliver a report on the mathematical accuracy of certain computations based upon certain information provided to it by the Underwriters relating to the adequacy of the moneys deposited with the 2017B Trustee to pay the redemption price of the 2017B Bonds.

The amounts held by the 2017B Trustee for the redemption of the 2017B Bonds are pledged solely to the payment of the 2017B Bonds. Neither the funds deposited with the 2017B Trustee nor any interest thereon will be available for the payment of principal of or interest on the 2020A Bonds.

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ESTIMATED SOURCES AND USES OF FUNDS

The following table sets forth the estimated sources and uses of funds in connection with the issuance of the Bonds:

Sources⁽¹⁾:	
Principal Amount of Bonds	\$ 122,145,000
Plus Original Issue Premium	33,405,406
District Moneys ⁽²⁾	<u>870,808</u>
Total Sources:	\$ 156,421,214
Uses⁽¹⁾:	
Transfer to 2015A Trustee to Redeem 2015A Bonds	\$ 50,345,683
Transfer to 2017A Trustee to Redeem 2017A Bonds	55,084,275
Transfer to 2017B Trustee to Redeem 2017B Bonds	50,475,851
Costs of Issuance ⁽³⁾	<u>515,405</u>
Total Uses:	\$ 156,421,214

(1) Amounts rounded to the nearest dollar. Totals may not add due to rounding.

(2) Includes amounts held in certain funds and accounts established in connection with the 2015A Bonds, the 2017A Bonds and the 2017B Bonds.

(3) Includes certain legal, financing, rating agency, Verification Agent and Trustee fees, Underwriters' discount and printing costs.

THE 2020A BONDS

General Provisions

The 2020A Bonds will be issued in the aggregate principal amount of \$122,145,000. The 2020A Bonds will bear interest from and be dated the date of their initial issuance, and will be payable upon maturity on the dates set forth on the inside front cover page hereof. Interest on the 2020A Bonds will be payable on January 1 and July 1 of each year, commencing January 1, 2021. Interest will be calculated at the rates set forth on the inside front cover page hereof and on the basis of a year of 360 days comprised of twelve 30 day months.

The 2020A Bonds will be delivered only in fully registered form and, when issued, will be registered in the name of Cede & Co., as nominee of The Depository Trust Company, New York, New York ("DTC"). DTC will act as securities depository for the 2020A Bonds. Ownership interests in the 2020A Bonds may be purchased in book-entry form only in denominations of \$5,000 or any integral multiple thereof. See the caption "—Book-Entry Only System" below and Appendix E.

In the event that the book-entry only system that is described below is discontinued, the principal of and interest on any 2020A Bond will be payable by check or draft of the Trustee upon presentation and surrender thereof at maturity or upon prior redemption at the Office of the Trustee in Los Angeles, California. Such principal and interest will be payable in lawful money of the United States of America.

Book-Entry Only System

One fully-registered 2020A Bond will be issued for each maturity of the 2020A Bonds in the principal amount of the 2020A Bonds of such maturity. It will be registered in the name of Cede & Co. and will be deposited with DTC. As long as the ownership of the 2020A Bonds is registered in the name of Cede & Co., the term "Owner" as used in this Official Statement will refer to Cede & Co. and not to the actual purchasers of the 2020A Bonds (the "Beneficial Owners").

The Authority may decide to discontinue use of the system of book-entry transfers through DTC (or a successor securities depository). In that event, the 2020A Bonds will be printed and delivered and will be governed by the provisions of the Indenture with respect to payment of principal and interest and rights of exchange and transfer.

The Authority cannot and does not give any assurances that DTC participants or others will distribute payments with respect to the 2020A Bonds received by DTC or its nominee as the registered Owner, or any redemption or other notices, to the Beneficial Owners, that they will do so on a timely basis or that DTC will service and act in the manner described in this Official Statement. See Appendix E for additional information concerning DTC.

Transfers and Exchanges Upon Termination of Book-Entry Only System

In the event that the book-entry system that is described above is discontinued, the 2020A Bonds will be printed and delivered as provided in the Indenture. Thereafter, any 2020A Bond may, in accordance with its terms, be transferred on the Registration Books by the person in whose name it is registered, in person or by his or her duly authorized attorney, upon surrender of such 2020A Bond at the Office of the Trustee for cancellation, accompanied by delivery of a written instrument of transfer, duly executed in a form acceptable to the Trustee. The Trustee is not required to register the transfer of any 2020A Bond during the period in which the Trustee is selecting 2020A Bonds for redemption or any 2020A Bond that has been selected for redemption.

Whenever any 2020A Bond is surrendered for transfer, the Authority will execute and the Trustee will authenticate and deliver a new 2020A Bond or 2020A Bonds of authorized denomination or denominations for a like series and aggregate principal amount of the same maturity. The Trustee will require the 2020A Bond Owner requesting such transfer to pay any tax or other governmental charge required to be paid with respect to such transfer. Following any transfer of 2020A Bonds, the Trustee will cancel and destroy the 2020A Bonds it has received.

2020A Bonds may be exchanged at the Office of the Trustee for a like aggregate principal amount of other authorized denominations of the same series and maturity. The Trustee is not required to exchange any 2020A Bond during the period in which the Trustee is selecting 2020A Bonds for redemption and any 2020A Bond that has been selected for redemption. The Trustee will require the 2020A Bond Owner requesting such exchange to pay any tax or other governmental charge required to be paid with respect to such exchange. Following any exchange of 2020A Bonds, the Trustee will cancel and destroy the 2020A Bonds it has received.

Redemption

Optional Redemption. The 2020A Bonds maturing on or after July 1, 2031 will be subject to redemption prior to their respective stated maturities, as a whole or in part on July 1, 2030 or any date thereafter as directed by the Authority and by lot within each maturity in integral multiples of \$5,000, at a price equal to the principal amount thereof plus accrued interest thereon to the date fixed for redemption, without premium.

Partial Redemption of 2020A Bonds. Upon surrender of any 2020A Bond redeemed in part only, the Authority will execute and the Trustee will authenticate and deliver to the Owner thereof, at the expense of the Authority, a new 2020A Bond or 2020A Bonds of authorized denominations equal in aggregate principal amount to the unredeemed portion of the 2020A Bonds surrendered and of the same series, interest rate and maturity.

Selection of 2020A Bonds for Redemption

Whenever provision is made in the Indenture for the redemption of less than all of the 2020A Bonds, the Trustee will select the 2020A Bonds for redemption as a whole or in part on any date as directed by the Authority and by lot within each maturity in integral multiples of \$5,000 in accordance with the provisions set forth above under the caption “—Redemption.” The Trustee will promptly notify the Authority in writing of the numbers of the 2020A Bonds or portions thereof so selected for redemption.

Notice of Redemption

Notice of redemption will be mailed by first class mail not less than 20 days before any Redemption Date, to the respective Owners of any 2020A Bonds designated for redemption at their addresses appearing on the Registration Books, to the Securities Depositories and to the Information Services. Each notice of redemption will state the date of notice, the redemption date, the place or places of redemption, the Redemption Price, will designate the maturities, CUSIP numbers, if any, and, if less than all 2020A Bonds of any such maturity are to be redeemed, the serial numbers of the 2020A Bonds of such maturity to be redeemed by giving the individual number of each 2020A Bond or by stating that all 2020A Bonds between two stated numbers, both inclusive, have been called for redemption and, in the case of 2020A Bonds to be redeemed in part only, the respective portions of the principal amount thereof to be redeemed. Each such notice will also state that on the redemption date there will become due and payable on each of said 2020A Bonds or parts thereof designated for redemption the Redemption Price thereof or of said specified portion of the principal thereof in the case of a 2020A Bond to be redeemed in part only, together with, interest accrued thereon to the redemption date, and that (provided that moneys for redemption have been deposited with the Trustee) from and after such redemption date interest thereon ceases to accrue, and will require that such 2020A Bonds be then surrendered to the Trustee. Neither the failure to receive such notice nor any defect in the notice or the mailing thereof will affect the validity of the redemption of any 2020A Bond. Notice of redemption of 2020A Bonds will be given by the Trustee, at the expense of the Authority, for and on behalf of the Authority.

With respect to any notice of optional redemption of 2020A Bonds, such notice may state that such redemption will be conditional upon the receipt by the Trustee on or prior to the date fixed for such redemption of moneys sufficient to pay the principal of, premium, if any, and interest on such 2020A Bonds to be redeemed and that, if such moneys have not been so received, said notice will be of no force and effect and the Trustee will not be required to redeem such 2020A Bonds. In the event that such notice of redemption contains such a condition and such moneys are not so received, the redemption will not be made, and the Trustee will within a reasonable time thereafter give notice, in the manner in which the notice of redemption was given, that such moneys were not so received.

Effect of Redemption

Notice of redemption having been duly given as described above under the caption “—Notice of Redemption,” and moneys for payment of the redemption price of, together with interest accrued to the date fixed for redemption on, the 2020A Bonds (or portions thereof) so called for redemption being held by the Trustee, on the redemption date designated in such notice, the 2020A Bonds (or portions thereof) so called for redemption will become due and payable, interest on the 2020A Bonds so called for redemption will cease to accrue, said 2020A Bonds (or portions thereof) will cease to be entitled to any benefit or security under the Indenture, and the Owners of said 2020A Bonds will have no rights in respect thereof except to receive payment of the redemption price thereof. The Trustee will, upon surrender for payment of any of the 2020A Bonds to be redeemed on their Redemption Dates, pay such 2020A Bonds at the Redemption Price.

All 2020A Bonds redeemed pursuant to the provisions of the Indenture will be canceled upon surrender thereof.

SECURITY FOR THE 2020A BONDS

General

Each 2020A Bond is a special limited obligation of the Authority payable solely from Authority Revenues, which consist of Installment Payments to be made by the District under the Installment Purchase Agreement, and from certain other funds and accounts established pursuant to the Indenture. NEITHER THE FULL FAITH AND CREDIT NOR ANY OTHER REVENUES OR FUNDS OF THE AUTHORITY ARE PLEDGED TO OR AVAILABLE FOR THE PAYMENT OF DEBT SERVICE ON THE 2020A BONDS. THE OBLIGATION OF THE AUTHORITY TO MAKE PAYMENTS OF PRINCIPAL AND INTEREST ON THE 2020A BONDS DOES NOT CONSTITUTE AN OBLIGATION FOR WHICH THE AUTHORITY IS OBLIGATED TO LEVY OR PLEDGE ANY FORM OF TAXATION OR FOR WHICH THE AUTHORITY HAS LEVIED OR PLEDGED ANY FORM OF TAXATION. THE AUTHORITY HAS NO TAXING POWER.

The Authority has assigned substantially all of its right, title and interest in the Installment Purchase Agreement to the Trustee pursuant to the Indenture, for the benefit of the Owners of the 2020A Bonds, including its right to receive Installment Payments and its rights as may be necessary to enforce payment of the Installment Payments when due.

Installment Payments Payable From Net Revenues

All of the Authority Revenues and any other amounts (including proceeds of the sale of the 2020A Bonds) that are held in any fund or account established pursuant to the Indenture (except the Rebate Fund) have been irrevocably pledged to secure the payment of the principal of and interest, and the premium, if any, on the 2020A Bonds in accordance with their terms and the provisions of the Indenture, subject only to the provisions of the Indenture permitting the terms and conditions set forth therein. Such pledge constitutes a lien on and security interest in such amounts and will attach, be perfected and be valid and binding from and after the Closing Date, without any physical delivery thereof or further act and will be valid and binding against all parties having claims of any kind in tort, contract or otherwise against the Authority, irrespective of whether such parties have notice hereof.

Authority Revenues consist primarily of Installment Payments received from the District under the Installment Purchase Agreement. Pursuant to the Installment Purchase Agreement, the Installment Payments are payable by the District from Net Revenues, which consist of the Net Water and Sewer Revenues less all net amounts payable by the District on the Parity Obligations, and from amounts held in certain funds and accounts described in the Indenture. Net Water and Sewer Revenues consist of Water and Sewer Revenues less Maintenance and Operation Costs (as such terms are defined in Appendix C). See Appendix A under the caption “THE DISTRICT—Debt Structure of the District—Parity Obligations” for a description of Parity Obligations that are payable on a senior basis to the Installment Payments.

All Net Revenues and all amounts on deposit in the Subordinate Obligation Payment Fund have been irrevocably pledged to the payment of the Installment Payments as provided in the Installment Purchase Agreement. The Net Revenues may not be used for any other purpose while any of the Installment Payments remain unpaid; provided that out of the Net Revenues there may be apportioned such sums for such purposes as are expressly permitted in the Installment Purchase Agreement. Such pledge, together with the pledge created by all other Contracts and Bonds (as described in the following paragraph), constitutes a lien on Net Revenues, subject to the application of Net Revenues and all amounts on deposit in the Subordinate Obligation Payment Fund as permitted in the Installment Purchase Agreement and other funds and accounts created thereunder for the payment of the Installment Payments and all other Contracts and Bonds in accordance with the terms thereof and of the Indenture.

The Installment Payments are payable from Net Revenues on a parity with the Subordinate Obligations, which consist of certain Contracts and Bonds (as such terms are defined in Appendix C under the caption “INSTALLMENT PURCHASE AGREEMENT—DEFINITIONS”), and certain regularly scheduled payments under two interest rate swap agreements. See Appendix A under the captions “THE DISTRICT—Debt Structure of the District—Subordinate Obligations,” “THE DISTRICT—Debt Structure of the District—Subordinate State Loans” and “THE DISTRICT—Debt Structure of the District—Interest Rate Swap Agreements” for a detailed description of Contracts and Bonds.

THE OBLIGATION OF THE DISTRICT TO MAKE THE INSTALLMENT PAYMENTS IS A SPECIAL OBLIGATION OF THE DISTRICT THAT IS PAYABLE SOLELY FROM THE NET REVENUES, AND DOES NOT CONSTITUTE A DEBT OF THE DISTRICT OR OF THE STATE OR OF ANY POLITICAL SUBDIVISION THEREOF IN CONTRAVENTION OF ANY CONSTITUTIONAL OR STATUTORY DEBT LIMITATION OR RESTRICTION. NOTWITHSTANDING ANYTHING CONTAINED IN THE INSTALLMENT PURCHASE AGREEMENT, THE DISTRICT IS NOT REQUIRED TO ADVANCE ANY MONEYS DERIVED FROM ANY SOURCE OF INCOME OTHER THAN THE NET REVENUES AND THE SUBORDINATE OBLIGATION PAYMENT FUND FOR THE PAYMENT OF AMOUNTS DUE THEREUNDER OR FOR THE PERFORMANCE OF ANY AGREEMENTS OR COVENANTS REQUIRED TO BE PERFORMED BY IT CONTAINED THEREIN. THE DISTRICT MAY, HOWEVER, ADVANCE MONEYS FOR ANY SUCH PURPOSE SO LONG AS SUCH MONEYS ARE DERIVED FROM A SOURCE LEGALLY AVAILABLE FOR SUCH PURPOSE AND MAY BE LEGALLY USED BY THE DISTRICT FOR SUCH PURPOSE.

Flow of Funds

Master Resolution. The Master Resolution provides for the allocation of Water and Sewer Revenues. Such provisions apply to the Parity Obligations (which are payable on a senior basis to the Installment Payments) and the Installment Payments and other Subordinate Obligations, as well as to such other debts and obligations payable from Water and Sewer Revenues which are outstanding currently and which the District may issue or incur in the future, including without limitation water and sewer revenue bonds, installment sale agreements, leases and contracts of indebtedness.

The Master Resolution establishes seven special funds which are held by the District: (i) a Water and Sewer Revenue Fund; (ii) a Rate Stabilization Fund; (iii) an Operating Fund; (iv) an Installment Payment Fund; (v) an Operating Reserve Fund; (vi) a Subordinate Obligation Payment Fund; and (vii) a General Reserve Fund. As described below, the Installment Payments are payable from amounts deposited in the Subordinate Obligation Payment Fund.

Under the Master Resolution, all Current Water and Sewer Revenues (as such term is defined in Appendix C) are deposited initially in the Water and Sewer Revenue Fund. The Water and Sewer Revenue Fund also receives transfers from the Rate Stabilization Fund. In order to avoid fluctuations in its water and sewer rates, the District may transfer portions of its Current Water and Sewer Revenues from time to time to the Rate Stabilization Fund and from time to time transfer moneys from the Rate Stabilization Fund to the Water and Sewer Revenue Fund. It is expected that the amounts to be transferred into and out of the Rate Stabilization Fund will be budgeted by the District on an annual basis in order to provide sufficient Water and Sewer Revenues to meet its capital improvement funding objectives and its covenant obligations under the Master Resolution.

Amounts in the Water and Sewer Revenue Fund are utilized to fund the Rate Stabilization Fund, to the extent determined by the District. Remaining amounts are to be set aside and deposited or transferred from the Water and Sewer Revenue Fund by the District, as the case may be, at the following times and in the following order of priority:

(a) Operating Fund. On or before the last Business Day of each month, the District will deposit in the Operating Fund such amount as the District estimates is required, together with amounts then on deposit therein, to provide for the payment of Maintenance and Operation Costs estimated to be paid through the next month.

(b) Installment Payment Fund. On or before the last Business Day of each month, the District will deposit in the Installment Payment Fund a sum equal to the Monthly Accrued Debt Service on Parity Obligations for such month, plus a sum equal to all Reimbursement Payments (as such terms are defined in the Master Resolution) then due and payable, provided that no such deposit need be made if amounts on deposit in the Installment Payment Fund equal the amount of: (i) Payments due with respect to all Parity Obligations on the next succeeding Interest Payment Date (with respect to interest) and Principal Payment Date (with respect to principal) (as such terms are defined in the Master Resolution); (ii) Other Parity Obligations Payments due with respect to all Other Parity Obligations on the next succeeding Other Party Obligation Payment Date (as such terms are defined in the Master Resolution); and (iii) Reimbursement Payments then due and payable.

(c) Bond or Contract or Other Parity Reserve Funds. On or before the last Business Day of each month, the District will transfer to each trustee for deposit in the applicable reserve fund for Parity Obligations an amount equal to the amount, if any, required to be deposited therein to build up or replenish such reserve fund for Parity Obligations as and to the extent required by the applicable instrument by which such Parity Obligations were issued.

(d) Operating Reserve Fund. On or before the last Business Day of each month, the District will transfer to the Operating Reserve Fund an amount equal to 1/12th (or such greater fraction if the period is less than 12 months as may be appropriate) of the amount which is equal to the difference between the sum on deposit in said fund at the beginning of the then current Fiscal Year and not less than 1/4 of the Maintenance and Operation Costs as set forth in the District's then current annual budget; provided, that, if any such monthly allocation is less than the amount required above for such month, the amount of the next succeeding monthly transfer will be increased by the amount of such deficiency.

(e) Subordinate Obligation Payment Fund. On or before the last Business Day of each month, the District will deposit in the Subordinate Obligation Payment Fund (from which the Installment Payments that secure the 2020A Bonds are paid) a sum equal to the amount required to be deposited under the Indenture, the indentures and Contracts pursuant to which the Subordinate Obligations were issued or delivered, as applicable, the interest rate swap agreements described in Appendix A under the caption "THE DISTRICT—Debt Structure of the District—Interest Rate Swap Agreements" and each other instrument securing Subordinate Obligations issued on a parity with the Installment Payments in the future, if any. See the caption "—Installment Purchase Agreement."

(f) Subordinate Obligation Reserve Funds. On or before the last Business Day of each month, the District will transfer to each trustee with respect to Subordinate Obligations for deposit in the debt service reserve fund, if any, with respect to such Subordinate Obligations an amount equal to the amount, if any, required to be deposited therein to build up or replenish such debt service reserve fund as and to the extent required by the applicable Subordinate Obligation or trust agreements or other instrument securing such Subordinate Obligation. No debt service reserve fund has been established in connection with the issuance of the 2020A Bonds. See the caption "—No Reserve Fund."

(g) General Reserve Fund. On the last Business Day of each month, the District will, after making each of the foregoing deposits and transfers, transfer all money remaining in the Water and Sewer Revenue Fund to the General Reserve Fund. The District may withdraw money in the General Reserve Fund for any lawful purpose of the District except to make transfers to the Rate Stabilization Fund.

Installment Purchase Agreement. In order to carry out and effectuate the pledge and lien of Net Revenues contained in the Installment Purchase Agreement, the District has agreed and covenanted that all Net Revenues will be received by the District in trust thereunder and will be deposited when and as received in a special fund designated as the “**Subordinate Obligation Payment Fund**,” which fund has been continued and which fund the District has agreed and covenanted to maintain and to hold separate and apart from other funds so long as any Contracts or Bonds remain unpaid. Moneys in the Subordinate Obligation Payment Fund will be used and applied by the District as provided in the Master Resolution and the Installment Purchase Agreement.

All moneys in the Subordinate Obligation Payment Fund will be applied by the District at the following times for transfer to the following respective special funds in the following order of priority; and all moneys in each of such funds will be held in trust and will be applied, used and withdrawn only for the purposes set forth in the Installment Purchase Agreement.

(a) Installment Payments. Not later than each Installment Payment Date, the District will, from the moneys in the Subordinate Obligation Payment Fund, transfer to the Trustee the Installment Payment due and payable on that Installment Payment Date. The District will also, from the moneys in the Subordinate Obligation Payment Fund, transfer to the applicable trustee or payee for deposit in the respective payment fund, without preference or priority, and in the event of any insufficiency of such moneys ratably without any discrimination or preference, any other Debt Service in accordance with the provisions of any Bond or Contract.

(b) Reserve Funds. On or before each Installment Payment Date, the District will, from the remaining moneys in the Subordinate Obligation Payment Fund, thereafter, without preference or priority and in the event of any insufficiency of such moneys ratably without any discrimination or preference, transfer to the Trustee for deposit to the applicable trustee for such reserve funds and/or accounts, if any, as may have been established in connection with Bonds or Contracts, that sum, if any, necessary to restore the reserve funds to an amount equal to the reserve fund requirement (if any) for such Bonds or Contracts. No debt service reserve fund has been established in connection with the issuance of the 2020A Bonds. See the caption “—No Reserve Fund.”

(c) Surplus. Moneys on deposit in the Subordinate Obligation Payment Fund on each Installment Payment Date that are not necessary to make any of the payments required above may be expended by the District at any time for any purpose permitted by law.

Indenture. There has been established with the Trustee the Revenue Fund, which the Trustee has covenanted to maintain and hold in trust separate and apart from other funds held by it so long as any Installment Payments remain unpaid. Except as directed in the Indenture, all Installment Payments and other Authority Revenues will be promptly deposited by the Trustee upon receipt thereof into the Revenue Fund; except that all moneys received by the Trustee and required by the Indenture to be deposited in the Redemption Fund will be promptly deposited therein. All Authority Revenues deposited with the Trustee will be held, disbursed, allocated and applied by the Trustee only as provided in the Indenture. The Trustee will also create and maintain an Interest Account and a Principal Account within the Revenue Fund.

The Trustee will transfer from the Revenue Fund and deposit into the following respective accounts, the following amounts in the following order of priority and at the following times, the requirements of each such account (including the making up of any deficiencies in any such account resulting from lack of Authority Revenues sufficient to make any earlier required deposit) at the time of deposit to be satisfied before any transfer is made to any account subsequent in priority:

(a) Not later than the third day preceding each date on which the interest on the 2020A Bonds becomes due and payable under the Indenture, the Trustee will deposit in the Interest Account that sum,

if any, required to cause the aggregate amount on deposit in the Interest Account to be at least equal to the amount of interest becoming due and payable on such date on all 2020A Bonds then Outstanding.

(b) Not later than the third day preceding each date on which the principal of the 2020A Bonds becomes due and payable under the Indenture, the Trustee will deposit in the Principal Account that sum, if any, required to cause the aggregate amount on deposit in the Principal Account to equal the principal amount of the 2020A Bonds coming due and payable on such date or subject to mandatory sinking fund redemption on such date.

All amounts in the Interest Account will be used and withdrawn by the Trustee solely for the purpose of paying interest on the 2020A Bonds as it becomes due and payable (including accrued interest on any 2020A Bonds purchased prior to maturity pursuant to the Indenture).

All amounts in the Principal Account will be used and withdrawn by the Trustee solely to pay the principal amount of the 2020A Bonds at maturity, mandatory sinking fund redemption (if any) or purchase; provided, however, that at any time prior to selection for redemption of any such 2020A Bonds, upon written direction of the Authority, the Trustee will apply such amounts to the purchase of 2020A Bonds at public or private sale, as and when and at such prices (including brokerage and other charges, but excluding accrued interest, which is payable from the Interest Account) as directed pursuant to a Request of the Authority, except that the purchase price (exclusive of accrued interest) may not exceed the redemption price then applicable to the 2020A Bonds.

There has been established with the Trustee, when needed, a special fund designated as the “**Redemption Fund**.” All amounts in the Redemption Fund will be used and withdrawn by the Trustee solely for the purpose of paying the principal of and accrued interest on the 2020A Bonds to be redeemed on any Redemption Date pursuant to the Indenture; provided, however, that at any time prior to selection for redemption of any such 2020A Bonds, upon written direction of the Authority, the Trustee will apply such amounts to the purchase of 2020A Bonds at public or private sale, as and when and at such prices (including brokerage and other charges, but excluding accrued interest, which is payable from the Interest Account) as directed pursuant to a Request of the Authority, except that the purchase price (exclusive of accrued interest) may not exceed the redemption price then applicable to the 2020A Bonds. See the caption “THE 2020A BONDS—Redemption.”

Rate Covenant

Master Resolution. Pursuant to the Master Resolution, Net Water and Sewer Revenues must equal at least 110% of the sum of: (i) all debt service on Parity Obligations (obligations the payments of which are payable from the Net Water and Sewer Revenues on a senior basis to the Installment Payments that secure the 2020A Bonds); (ii) all deposits required to be made to the Operating Reserve Fund (as described under the caption “—Flow of Funds”); and (iii) all debt service on all Subordinate Obligations (including the Installment Payments, Contracts and Bonds).

Installment Purchase Agreement. To the fullest extent permitted by law, the District will fix and prescribe, at the commencement of each Fiscal Year, rates and charges for the Water and Sewer Service which are reasonably expected, at the commencement of such Fiscal Year, to be at least sufficient to yield during such Fiscal Year Net Revenues equal to 115% of the Debt Service for such Fiscal Year. The District may make adjustments from time to time in such rates and charges and may make such classification thereof as it deems necessary, but will not reduce the rates and charges then in effect unless the Net Revenues from such reduced rates and charges will at all times be sufficient to meet the foregoing requirements.

No Reserve Fund

Neither the Installment Purchase Agreement nor the Indenture establishes a debt service reserve fund for the 2020A Bonds.

No Acceleration Upon Event of Default

None of the Installment Purchase Agreement, the Indenture or the Master Resolution permit the Installment Payments or the 2020A Bonds to be accelerated upon an event of a default under the Installment Purchase Agreement or the Indenture, respectively. See Appendix C under the captions “INSTALLMENT PURCHASE AGREEMENT—EVENTS OF DEFAULT AND REMEDIES OF THE AUTHORITY” and “INDENTURE—EVENTS OF DEFAULT AND REMEDIES OF 2020A BOND OWNERS” for further information with respect to remedies available in the event of a default under the Installment Purchase Agreement or the Indenture, respectively.

Additional Obligations

Issuance of Additional Parity Obligations. Pursuant to the Master Resolution, the District may at any time incur or issue additional Parity Obligations (obligations the payments of which are payable from the Net Water and Sewer Revenues on a senior basis to the Installment Payments that secure the 2020A Bonds), provided that:

(a) The District certifies that the District is not then in default under any Trust Agreement (as such term is defined in the Master Resolution) or with respect to any Parity Obligations; and

(b) Such Parity Obligation does not allow the declaration of payments thereunder to be immediately due and payable in the event of a default by the District thereunder or under the applicable Trust Agreement or other agreement unless such remedy is then allowed with respect to all Parity Obligations then Outstanding.

Notwithstanding the foregoing provisions, there are no limitations on the ability of the District to execute Reimbursement Agreements.

(c) Long-Term Parity Obligations (as such term is defined in the Master Resolution) may be incurred provided that one of the following tests, as evidenced by a certificate of the District (together with supporting calculations prepared by the District), is satisfied:

(i) The Debt Service Coverage Ratio (as such term defined in the Master Resolution) for the most recent period of 12 full consecutive calendar months for which the financial statements of the District has been reported upon by an independent certified public accountant, taking into account: (i) all Long-Term Parity Obligations then Outstanding; (ii) the Long-Term Parity Obligations then proposed to be incurred; and (iii) all decreases (but not increases), if any, for Water and Sewer Service approved or then in effect as of such date of calculation, is not less than 1.10 times; or

(ii) (A) The Debt Service Coverage Ratio for the most recent period of 12 full consecutive calendar months for which the financial statements of the District has been reported upon by an independent certified public accountant: (i) taking into account all Outstanding Long-Term Parity Obligations then Outstanding; (ii) but not taking into account the Long-Term Parity Obligations then proposed to be incurred; (iii) taking into account both the completion of all uncompleted Projects, if any, and the costs, if any, of financing such completion; and (iv) taking into account all increases and decreases, if any, for Water and Sewer Service approved or then in effect as of such date of calculation, is not less than 1.15 times; and (B) taking into account the matters listed in clauses (i), (iii) and (iv) of part (A) above, plus the Long-Term Parity Obligations then proposed to be issued, the Debt Service Coverage Ratio for the first full Fiscal Year of

the District following the completion of the Project, if any, being paid for with the proceeds of such proposed Long-Term Parity Obligations, or following the incurrence of Long-Term Parity Obligations for refunding purposes, is expected to be not less than 1.15.

Certain other conditions and tests must be satisfied with respect to Parity Obligations that are not Long-Term Parity Obligations. For a summary of such conditions and tests, see Appendix C under the caption “MASTER RESOLUTION—ADDITIONAL BONDS AND CONTRACTS AND OTHER PARITY OBLIGATIONS.”

The Master Resolution does not establish conditions to the issuance of additional Subordinate Obligations payable on a parity with the Installment Payments that secure the 2020A Bonds.

Issuance of Additional Subordinate Obligations. Pursuant to the Installment Purchase Agreement, the District may at any time execute any Contract or issue any Bonds, as the case may be, payable on a parity with the Installment Payments that secure the 2020A Bonds, in accordance with the Indenture; provided that:

(a) The Net Revenues for any consecutive 12 calendar month period during the 18 calendar month period, or for the most recent audited Fiscal Year, preceding the date of adoption by the Board of Directors of the District of the resolution authorizing the issuance of such Bonds or the date of the execution of such Contract, as the case may be, as evidenced by both a calculation prepared by the District and a special report prepared by an Independent Certified Public Accountant or an Independent Financial Consultant (as such terms are defined in Appendix C) on such calculation on file with the District, produce a sum equal to at least 115% of the Debt Service for such 12 calendar month period or Fiscal Year; and

(b) The Net Revenues for any consecutive 12 calendar month period during the 18 calendar month period, or for the most recent audited Fiscal Year, preceding the date of the execution of such Contract or the date of adoption by the Board of Directors of the District of the resolution authorizing the issuance of such Bonds, as the case may be, including adjustments to give effect as of the first day of such 12 calendar month period or Fiscal Year to increases or decreases in rates and charges for the Water and Sewer Service approved and in effect as of the date of calculation, as evidenced by a calculation prepared by the District, produce a sum equal to at least 115% of the Debt Service for such 12 calendar month period or Fiscal Year plus the Debt Service which would have accrued on any Contracts executed or Bonds issued since the end of such Fiscal Year assuming that such Contracts had been executed or Bonds had been issued at the beginning of such Fiscal Year, plus the Debt Service which would have accrued had such Contract been executed or Bonds been issued at the beginning of such 12 calendar month period or Fiscal Year.

(c) Notwithstanding the foregoing, Bonds or Contracts may be issued or incurred to refund outstanding Bonds or Contracts without complying with clauses (a) or (b) above if, after giving effect to the application of the proceeds thereof, total Debt Service (as such term is defined in the Indenture) will not be increased more than 5% in any Fiscal Year in which Bonds or Contracts (outstanding on the date of issuance or incurrence of such refunding Bonds or Contracts, but excluding such refunding Bonds or Contracts) not being refunded are outstanding.

EASTERN MUNICIPAL WATER DISTRICT

See Appendix A for financial, statistical and operating information regarding the District and its service area and Appendix B for the District’s audited financial statements for the Fiscal Year ended June 30, 2019.

FINANCIAL STATEMENTS

The general purpose financial statements of the District which are set forth in Appendix B to this Official Statement have been audited by Davis Farr LLP, independent certified public accountants (the

“**Auditor**”). The audited financial statements, including the footnotes thereto, should be reviewed in their entirety. The Auditor has not consented to the inclusion of its report as Appendix B and has not undertaken to update its report or to take any action intended or likely to elicit information concerning the accuracy, completeness or fairness of the statements made in this Official Statement, and no opinion is expressed by the Auditor with respect to any event subsequent to its report dated November 13, 2019. The District represents that there has been no material change to its financial condition since June 30, 2019 that is not otherwise disclosed in this Official Statement.

THE AUTHORITY

The Authority is a public body that is duly organized and existing under the Joint Exercise of Powers Agreement, dated as of April 1, 2015 (the “**JPA Agreement**”), by and between the District and Community Facilities District No. 2001-01 (French Valley) of the Eastern Municipal Water District, a community facilities district that is duly organized and validly existing pursuant to the Mello-Roos Community Facilities Act of 1982, as amended, Sections 53311 *et seq.* of the California Government Code (the “**CFD**”), and under the Constitution and laws of the State. The Authority was formed for the purpose of assisting in the financing and refinancing of capital improvement projects of the District and to finance working capital for the District by exercising the powers referred to in the JPA Agreement, including the power to issue bonds to pay the costs of public improvements. Neither the District nor the CFD is responsible for repayment of the obligations of the other. The members of the Board of Directors of the Authority are the members of the Board of Directors of the District.

APPROVAL OF LEGAL PROCEEDINGS

Certain legal matters in connection with the issuance of the 2020A Bonds will be passed upon for the District by Stradling Yocca Carlson & Rauth, a Professional Corporation, Newport Beach, California, Bond Counsel to the District (“**Bond Counsel**”), for the District and the Authority by Olivarez Madruga Lemieux O’Neill, LLP, Westlake Village, California, General Counsel to the District and the Authority, for the Underwriters by their counsel, Nixon Peabody LLP, Los Angeles, California, and for the Trustee by its counsel. Bond Counsel undertakes no responsibility to the purchasers of the 2020A Bonds for the accuracy, completeness or fairness of this Official Statement. Bond Counsel represents the Underwriters from time to time on matters unrelated to the 2020A Bonds.

The fees paid to Bond Counsel, Underwriters’ counsel and the Municipal Advisor are contingent upon the issuance of the 2020A Bonds.

LITIGATION

District

General. At the time of delivery of and payment for the 2020A Bonds, the District will certify that there is no action, suit, proceeding, inquiry or investigation, at law or in equity, before or by any court, regulatory agency, public board or body, pending or, to the knowledge of the District, threatened against the District affecting the existence of the District or the titles of its directors or officers to their respective offices or seeking to restrain or to enjoin the sale or delivery of the 2020A Bonds, the application of the proceeds thereof in accordance with the Installment Purchase Agreement and the Indenture, or that would have a material adverse effect on the District’s ability to pay the Installment Payments, or in any way contesting or affecting the validity or enforceability of the 2020A Bonds, the Indenture, the Installment Purchase Agreement, or any action of the District contemplated by any of said documents, or in any way contesting the completeness or accuracy of this Official Statement or any amendment or supplement thereto, or contesting the powers of the District or its authority with respect to the 2020A Bonds or any action of the District contemplated by any of said documents, nor to the knowledge of the District, is there any basis therefor.

SDCWA Litigation. In 2010, 2012, 2014, 2016 and 2018, the San Diego County Water Authority (“SDCWA”), a member of The Metropolitan Water District of Southern California (“MWD”), as is the District, filed lawsuits against MWD challenging MWD’s adoption of water rates and charges effective January 1, 2011 through January 1, 2020. As an MWD rate payer, the District was named as a real party in interest and participated in all of the lawsuits. The 2010 and 2012 lawsuits were coordinated and proceeded to trial, while the 2014, 2016, and 2018 cases have been stayed by the court, pending final resolution of the 2010 and 2012 cases.

SDCWA alleged in the lawsuits that MWD’s water rates improperly allocated certain MWD costs, resulting in an overcharge to SDCWA. SDCWA alleged that such costs should be reclassified and reallocated so that MWD’s remaining members, including the District, bear a larger share of the financial burden. On April 24, 2014, the trial court (San Francisco Superior Court) issued a final statement of decision in favor of SDCWA, finding no substantial evidence in the administrative record to support the inclusion of certain cost elements in MWD’s water rates (in particular, MWD’s System Access Rate and Water Stewardship Rate). The court could not lawfully order MWD to adopt a particular rate structure.

The District was not a defendant with respect to certain other claims, including: (a) a claim for declaratory relief based on MWD’s alleged miscalculation of SDCWA’s preferential rights to water; and (b) a claim for breach of an agreement known as the Exchange Agreement against MWD. The parties disputed the correct measure of damages for a breach of the Exchange Agreement, and whether the court could properly award damages. Final judgment was entered by the court on November 18, 2015 in favor of SDCWA and against MWD on most of such other causes of action.

MWD and the member agencies appealed the trial court decision. On June 21, 2017, the California Court of Appeal issued an opinion (San Diego County Water Authority v. Metropolitan Water District of Southern California (2017) 12 Cal. App. 5th 1124, as modified on denial of rehearing (July 18, 2017), review denied (Sept. 27, 2017)), reversing the judgment and vacating a peremptory writ of mandate. The Court of Appeal remanded the case back to the trial court for recalculation of damages and entered declaratory relief on the rate structure integrity clause. The Court of Appeal also ordered a redetermination of the prevailing party and that the parties bear their respective costs and attorney fees incurred on the appeal and cross-appeal.

On appeal, the central issue in dispute was cost allocation of charges imposed by MWD for transporting (“wheeling”) water purchased from a third party. The court held that the inclusion of MWD’s system-wide transportation costs in the calculation of its wheeling rate, including charges paid to the State Water Project, did not violate the wheeling statutes or the terms of the Exchange Agreement. The court affirmed the trial court’s finding that the wheeling rate cannot include MWD’s Water Stewardship Rate (which was designed to fund a water conservation program) because the Water Stewardship Rate is supply-related, not transportation-related, and its inclusion as a component of the wheeling rate and Exchange Agreement transportation rates was unlawful. The Court of Appeal also found that SDCWA is entitled to recover the overcharges that resulted from inclusion of such charges in MWD’s water rates.

On December 13, 2019, the parties attended a case management conference in the trial court (San Francisco Superior Court), in which the court scheduled a June 16-18, 2020 evidentiary hearing pertaining to the issues on remand from the Court of Appeal, which included SDCWA’s claim for restitution on certain causes of action in the 2010 and 2012 actions. On February 27, 2020, the SDCWA Board of Directors authorized its attorneys to dismiss, without prejudice, pending claims related to imposition of the Water Stewardship Rate on supply purchases only as well as certain unspecified claims in the stayed cases. As a result, SDCWA will no longer be trying the restitution issue at the upcoming June 16-18, 2020 evidentiary hearing (which will likely be converted to a case management conference), as that claim sought recovery of certain Water Stewardship Rate payments on its MWD supply purchases. SDCWA has also indicated that it will ask the San Francisco Superior Court to enter a judgment and peremptory writ based on the decisions already issued by the Court of Appeal and, on remand, by the court in its July 25, 2018 Scope Order.

As a result of the Court of Appeal’s decision, and depending upon the actions of the trial court on the issues that were remanded, the District’s MWD water charges could increase. Because the District’s policy is to pass MWD water rate increases through to imported water customers, the District does not believe that such an increase by MWD would have a material adverse effect on the ability of the District to pay the 2020A Bonds.

Water Rate Litigation. On February 19, 2020, a class action complaint and petition for writ of mandate (collectively, the “**Water Rate Complaint**”) was filed in the matter of *Kessner et al. v. City of Santa Clara et al.* in the Superior Court of California, County of Santa Clara, on behalf of 81 customer classes (collectively “**Plaintiffs**”), challenging the rates of 82 public water suppliers, including the District. The Water Rate Complaint alleges that the named defendants and respondents (collectively “**Defendants**”) unlawfully set water rates for retail customers that exceed the cost of service, in violation of Proposition 218. See Appendix A under the caption “HISTORICAL FINANCIAL OPERATIONS—Certain Limitations on Taxes and Other Revenue Sources—Articles XIII C and XIII D of the California Constitution” for a discussion of Proposition 218.

Plaintiffs are challenging Defendants’ retail water rates on one of two grounds: (1) the retail water rates allegedly subsidize water service provided for general governmental purposes, including “subsidized public fire hydrant service;” and (2) certain specified agencies (not including the District) allegedly have lower rates for agriculture or irrigation service, which are unlawfully subsidized by higher rates for domestic water.

The District was served with the Water Rate Complaint on March 10, 2020. On March 9, 2020, the Superior Court of California, County of Santa Clara, issued an Order deeming the case complex and staying discovery and responsive pleading deadlines. A Case Management Conference is set for June 19, 2020. Pursuant to the March 9, 2020 Order, the parties may not file or serve responsive pleadings until a date is set at the Case Management Conference for such filings.

The District is unable to predict the outcome of this litigation or the timing of any resolution thereof. However, the District believes that its water rates were adopted in compliance with Proposition 218 and does not currently expect the Water Rate Complaint to have a material adverse effect on its ability to pay the Installment Payments, which secure the 2020A Bonds.

Authority

At the time of delivery of and payment for the 2020A Bonds, the Authority will certify that there is no action, suit, proceeding, inquiry or investigation, at law or in equity, before or by any court, regulatory agency, public board or body, pending or, to the knowledge of the Authority, threatened against the Authority affecting the existence of the Authority or the titles of its directors or officers to their respective offices or seeking to restrain or to enjoin the sale or delivery of the 2020A Bonds, the application of the proceeds thereof in accordance with the Installment Purchase Agreement and the Indenture, or that would have a material adverse effect on the Authority’s ability to pay the 2020A Bonds, or in any way contesting or affecting the validity or enforceability of the 2020A Bonds, the Indenture, the Installment Purchase Agreement, or any action of the Authority contemplated by any of said documents, or in any way contesting the completeness or accuracy of this Official Statement or any amendment or supplement thereto, or contesting the powers of the Authority or its authority with respect to the 2020A Bonds or any action of the Authority contemplated by any of said documents, nor to the knowledge of the Authority, is there any basis therefor.

COVID-19 OUTBREAK

The spread of the novel strain of coronavirus called COVID-19 (“**COVID-19**”) is having significant negative impacts throughout the world, including within the District. The World Health Organization has declared the COVID-19 outbreak to be a pandemic, and states of emergency have been declared by Riverside County, the State and the United States. The purpose of these declarations is to coordinate and formalize

emergency actions across federal, State and local governmental agencies and to proactively prepare for a wider spread of COVID-19.

To date there have been a number of confirmed cases of COVID-19 in the County and health officials are expecting the number of confirmed cases to grow. The outbreak has resulted in the imposition of restrictions on mass gatherings and widespread temporary closings of businesses, universities and schools (including schools within the District). The United States is also restricting certain non-citizens and permanent residents from entering the country. In addition, financial markets in the United States and globally have been volatile, with significant declines attributed to COVID-19 concerns.

Potential impacts to the District associated with the COVID-19 outbreak include, but are not limited to, increasing costs and challenges to the public health system in and around the District, cancellations of public events and disruption of the regional and local economy with corresponding decreases in the District's water and wastewater revenues and potential declines in property values which may affect the ability or willingness of homeowners to pay property taxes.

In addition, as part of the District's response to the COVID-19 outbreak, the District has suspended service shutoffs through the end of April 2020 and will not seek to collect late fees or penalties. Although no service charges are being forgiven, the District expects its accounts receivable amount to increase as a result of the foregoing policy. See the caption "HISTORICAL FINANCIAL OPERATIONS—Operating Revenue—Collection Procedures."

The COVID-19 outbreak is ongoing, and the ultimate geographic spread of the virus, the duration and severity of the outbreak and the economic and other actions that may be taken by governmental authorities to contain the outbreak or to treat its impact are uncertain. The ultimate impact of COVID-19 on the operations and finances of the District is unknown and there can be no assurance that the outbreak of COVID-19 will not affect the District's ability to pay the Installment Payments, which secure the 2020A Bonds. The projected operating results which are set forth in Appendix A under the caption "PROJECTED OPERATING RESULTS" reflect slight reductions in housing starts in Fiscal Year 2020 and increases in pension contributions in later years due to California Public Employees Retirement System portfolio losses as a result of the COVID-19 outbreak. The District is unable to assess whether the outbreak will otherwise affect Net Revenues in the current or future Fiscal Years.

TAX EXEMPTION

In the opinion of Stradling Yocca Carlson & Rauth, a Professional Corporation, Newport Beach, California, Bond Counsel, under existing statutes, regulations, rulings and judicial decisions, and assuming the accuracy of certain representations and compliance with certain covenants and requirements described herein, interest on the 2020A Bonds is excluded from gross income for federal income tax purposes and is not an item of tax preference for purposes of calculating the federal alternative minimum tax imposed on individuals. In the further opinion of Bond Counsel, interest on the 2020A Bonds is exempt from State of California personal income tax.

Bond Counsel's opinion as to the exclusion from gross income for federal income tax purposes of interest on the 2020A Bonds is based upon certain representations of fact and certifications made by the District and others and is subject to the condition that the District comply with all requirements of the Code that must be satisfied subsequent to the issuance of the 2020A Bonds to assure that interest on the 2020A Bonds will not become includable in gross income for federal income tax purposes. Failure to comply with such requirements of the Code might cause interest on the 2020A Bonds to be included in gross income for federal income tax purposes retroactive to the date of issuance of the 2020A Bonds. The District has covenanted to comply with all such requirements.

The amount by which a 2020A Bond Owner's original basis for determining loss on sale or exchange in the applicable 2020A Bond (generally, the purchase price) exceeds the amount payable on maturity (or on an earlier call date) constitutes amortizable bond premium, which must be amortized under Section 171 of the Code; such amortizable bond premium reduces the 2020A Bond Owner's basis in the applicable 2020A Bond (and the amount of tax-exempt interest received with respect to the 2020A Bonds), and is not deductible for federal income tax purposes. The basis reduction as a result of the amortization of bond premium may result in a 2020A Bond Owner realizing a taxable gain when a 2020A Bond is sold by the Owner for an amount equal to or less (under certain circumstances) than the original cost of the 2020A Bond to the Owner. Purchasers of the 2020A Bonds should consult their own tax advisors as to the treatment, computation and collateral consequences of amortizable bond premium.

The IRS has initiated an expanded program for the auditing of tax-exempt bond issues, including both random and targeted audits. It is possible that the 2020A Bonds will be selected for audit by the IRS. It is also possible that the market value of the 2020A Bonds might be affected as a result of such an audit of the 2020A Bonds (or by an audit of similar municipal obligations). No assurance can be given that in the course of an audit, as a result of an audit, or otherwise, Congress or the IRS might not change the Code (or interpretation thereof) subsequent to the issuance of the 2020A Bonds to the extent that it adversely affects the exclusion from gross income of interest on the 2020A Bonds or their market value.

SUBSEQUENT TO THE ISSUANCE OF THE 2020A BONDS THERE MIGHT BE FEDERAL, STATE OR LOCAL STATUTORY CHANGES (OR JUDICIAL OR REGULATORY CHANGES TO OR INTERPRETATIONS OF FEDERAL, STATE OR LOCAL LAW) THAT AFFECT THE FEDERAL, STATE OR LOCAL TAX TREATMENT OF THE 2020A BONDS INCLUDING THE IMPOSITION OF ADDITIONAL FEDERAL INCOME OR STATE TAXES ON OWNERS OF TAX-EXEMPT STATE OR LOCAL OBLIGATIONS, SUCH AS THE 2020A BONDS. THESE CHANGES COULD ADVERSELY AFFECT THE MARKET VALUE OR LIQUIDITY OF THE 2020A BONDS. NO ASSURANCE CAN BE GIVEN THAT SUBSEQUENT TO THE ISSUANCE OF THE 2020A BONDS STATUTORY CHANGES WILL NOT BE INTRODUCED OR ENACTED OR JUDICIAL OR REGULATORY INTERPRETATIONS WILL NOT OCCUR HAVING THE EFFECTS DESCRIBED ABOVE. BEFORE PURCHASING ANY OF THE 2020A BONDS, ALL POTENTIAL PURCHASERS SHOULD CONSULT THEIR TAX ADVISORS REGARDING POSSIBLE STATUTORY CHANGES OR JUDICIAL OR REGULATORY CHANGES OR INTERPRETATIONS, AND THEIR COLLATERAL TAX CONSEQUENCES RELATING TO THE 2020A BONDS.

Bond Counsel's opinions may be affected by actions taken (or not taken) or events occurring (or not occurring) after the date hereof. Bond Counsel has not undertaken to determine, or to inform any person, whether any such actions or events are taken or do occur. The Indenture and the Tax Certificate relating to the 2020A Bonds permit certain actions to be taken or to be omitted if a favorable opinion of Bond Counsel is provided with respect thereto. Bond Counsel expresses no opinion as to the effect on the exclusion from gross income of interest for federal income tax purposes with respect to any 2020A Bond if any such action is taken or omitted based upon the advice of counsel other than Stradling Yocca Carlson & Rauth, a Professional Corporation.

Although Bond Counsel has rendered an opinion that interest on the 2020A Bonds is excluded from gross income for federal income tax purposes provided that the District continue to comply with certain requirements of the Code, the ownership of the 2020A Bonds and the accrual or receipt of interest on the 2020A Bonds may otherwise affect the tax liability of certain persons. Bond Counsel expresses no opinion regarding any such tax consequences. Accordingly, before purchasing any of the 2020A Bonds, all potential purchasers should consult their tax advisors with respect to collateral tax consequences relating to the 2020A Bonds.

Should interest on the 2020A Bonds become includable in gross income for federal income tax purposes, the 2020A Bonds are not subject to early redemption and will remain outstanding until maturity or until redeemed in accordance with the Indenture.

A copy of the proposed form of opinion of Bond Counsel is attached hereto as Appendix D.

CONTINUING DISCLOSURE

The District has covenanted in a Continuing Disclosure Certificate for the benefit of the Owners and Beneficial Owners of the 2020A Bonds to provide certain financial information and operating data relating to the District by each February 1 following the end of the District's Fiscal Year (currently its Fiscal Year ends on June 30) (the "**Annual Report**"), commencing February 1, 2021 with the report for Fiscal Year ended June 30, 2017, and to provide notices (each, an "**Event Notice**") of the occurrence of certain enumerated events. The Annual Report and any Event Notice will be filed by the District with the Municipal Securities Rulemaking Board's Electronic Municipal Market Access system ("**EMMA**"), which can be found at <http://emma.msrb.org>. The specific nature of the information to be contained in the Annual Report and any Material Event Notice is set forth in Appendix F. These covenants have been made in order to assist the Underwriters in complying with Rule 15c2-12(b)(5) promulgated under the Securities Exchange Act of 1934 (the "**Rule**").

The District believes that it is currently in material compliance with all of its continuing disclosure undertakings. However, previously:

(1) The Western Riverside Water and Wastewater Financing Authority (the "**Western Riverside Authority**") did not timely file a significant event notice with respect to a rating upgrade with respect to such entity's Local Agency Revenue Refunding Bonds, 2016 Series A.

(2) The District's Annual Reports for Fiscal Year 2015 with respect to the Western Riverside Authority's Revenue Bonds, Series 2005A and Series 2009A (which are general obligations of the District) were filed after the date required for such filings, in each case after December 31 of the applicable calendar year.

(3) The District did not timely file all significant event notices of changes in the ratings of certain outstanding Subordinate Obligations resulting from changes in ratings to the bond insurers which insured such obligations, changes in the short-term ratings of providers of liquidity facilities for certain Subordinate Obligations and upgrades in the underlying ratings for certain Subordinate Obligations.

The event notices that are described in paragraphs (1) and (3) above have been filed as of the date of this Official Statement.

On April 30, 2014, the District's Board adopted continuing disclosure policies and procedures. Such policies and procedures were updated and incorporated into the District's Comprehensive Debt Management Policy on January 18, 2017. See Appendix A under the caption "THE DISTRICT—District Debt Policy." In addition, District staff have undergone training to ensure compliance with continuing disclosure undertakings in the future.

RATINGS

S&P Global Ratings, a Standard & Poor's Financial Services LLC business ("**S&P**") and Fitch Ratings, Inc. ("**Fitch**") have assigned the 2020A Bonds the ratings of "AA+" and "AA+", respectively. Such ratings reflect only the current views and criteria of S&P and Fitch, respectively (which views and criteria could change at any time), and an explanation of the significance of such ratings may be obtained from S&P and Fitch, respectively. Generally, rating agencies base their ratings on information and materials furnished to

them (which may include information and material from the District that is not included in this Official Statement) and on investigations, studies and assumptions by the rating agencies. Future events, including the impacts of the COVID-19 pandemic that is described under the caption “COVID-19 OUTBREAK,” could have an adverse impact on the rating of the 2020A Bonds, and there is no assurance that any credit rating that is given to the 2020A Bonds will be maintained for any period of time or that a rating may not be qualified, downgraded, lowered or withdrawn entirely by S&P or Fitch if, in the judgment of S&P or Fitch, circumstances so warrant, nor can there be any assurance that the criteria required to achieve the rating on the 2020A Bonds will not change during the period that the 2020A Bonds remain outstanding. A securities rating is not a recommendation to buy, sell or hold securities and may be subject to revision or withdrawal at any time.

The District has covenanted in the Continuing Disclosure Certificate to file notices of any rating changes on the 2020A Bonds with EMMA. See the caption “CONTINUING DISCLOSURE” and Appendix F. Notwithstanding such covenant, information relating to rating changes on the 2020A Bonds may be publicly available from the rating agencies prior to such information being provided to the District and prior to the date by which the District is obligated to file a notice of rating change. Purchasers of the 2020A Bonds are directed to the rating agencies and their respective websites and official media outlets for the most current ratings with respect to the 2020A Bonds after the initial issuance of the 2020A Bonds.

In providing a rating on the 2020A Bonds, certain rating agencies may have performed independent calculations of coverage ratios using their own internal formulas and methodology which may not reflect the provisions of the Indenture, the Installment Purchase Agreement or the Master Resolution. The District makes no representations as to any such calculations, and such calculations should not be construed as a representation by the District as to past or future compliance with any financial covenants, the availability of particular revenues for the payment of debt service or for any other purpose.

MUNICIPAL ADVISOR

The District has retained PFM Financial Advisors, LLC, Los Angeles, California, as municipal advisor (the “**Municipal Advisor**”) in connection with the issuance of the 2020A Bonds. The Municipal Advisor is not obligated to undertake, and has not undertaken to make, an independent verification or to assume any responsibility for the accuracy, completeness or fairness of the information contained in this Official Statement. The Municipal Advisor is an independent advisory firm and is not engaged in the business of underwriting, trading or distributing municipal or other public securities.

UNDERWRITING

The 2020A Bonds are being purchased pursuant to a Contract of Purchase, dated the date hereof (the “**Purchase Contract**”), by and among the Authority, the District and BofA Securities, Inc., as representative of itself and J.P. Morgan Securities LLC (together, the “**Underwriters**”), at a purchase price of \$155,331,474.35 (representing the par amount of the 2020A Bonds, less an Underwriters’ discount of \$218,931.15, plus an original premium of \$33,405,405.50). The Purchase Contract provides that the Underwriters will purchase all of the 2020A Bonds if any are purchased.

The Underwriters may offer and sell the 2020A Bonds to certain dealers (including dealers depositing the 2020A Bonds into investment trusts) and others at prices lower than the public offering prices stated on the inside front cover page hereof. The initial public offering prices may be changed from time to time by the Underwriters.

BofA Securities, Inc., one of the Underwriters of the 2020A Bonds, has entered into a separate agreement with its affiliate, Merrill Lynch, Pierce, Fenner & Smith Incorporated (“**MLPF&S**”). As part of this arrangement, BofA Securities, Inc., may distribute securities to MLPF&S, which may in turn distribute such

securities to investors through the financial advisor network of MLPF&S. As part of this arrangement, BofA Securities, Inc. may compensate MLPF&S as a dealer for their selling efforts with respect to the 2020A Bonds.

J.P. Morgan Securities LLC, one of the Underwriters of the 2020A Bonds, has entered into negotiated dealer agreements (each, a “**Dealer Agreement**”) with each of Charles Schwab & Co., Inc. (“**CS&Co.**”) and LPL Financial LLC (“**LPL**”) for the retail distribution of certain securities offerings at the original issue prices. Pursuant to each Dealer Agreement, each of CS&Co. and LPL may purchase 2020A Bonds from J.P. Morgan Securities at the original issue price less a negotiated portion of the selling concession applicable to any 2020A Bonds that such firm sells.

The Underwriters and their respective affiliates are full service financial institutions engaged in various activities, which may include sales and trading, commercial and investment banking, financial advisory, investment management, investment research, principal investment, hedging, market making, brokerage and other financial and non-financial activities and services. Under certain circumstances, the Underwriters and their affiliates may have certain creditor and/or other rights against the District or the Authority and their respective affiliates in connection with such activities.

In the various course of their various business activities, the Underwriters and their respective affiliates, officers, directors and employees may purchase, sell or hold a broad array of investments and actively trade securities, derivatives, loans, commodities, currencies, credit default swaps and other financial instruments for their own account and for the accounts of their customers, and such investment and trading activities may involve or relate to assets, securities and/or instruments of District or the Authority (directly, as collateral securing other obligations or otherwise) and/or persons and entities with relationships with the District or the Authority.

The Underwriters and their respective affiliates may also communicate independent investment recommendations, market color or trading ideas and/or publish or express independent research views in respect of such assets, securities or instruments and may at any time hold, or recommend to clients that they should acquire, long and/or short positions in such assets, securities and instruments.

MISCELLANEOUS

Insofar as any statements made in this Official Statement involve matters of opinion or of estimates, whether or not expressly stated, they are set forth as such and not as representations of fact. No representation is made that any of such statements made will be realized. Neither this Official Statement nor any statement which may have been made verbally or in writing is to be construed as a contract with the Owners of the 2020A Bonds.

The execution and delivery of this Official Statement have been duly authorized by the Authority and the District.

**EASTERN MUNICIPAL WATER DISTRICT
FINANCING AUTHORITY**

By: /s/Paul D. Jones II, P.E.
Executive Director

EASTERN MUNICIPAL WATER DISTRICT

By: /s/Paul D. Jones II, P.E.
General Manager

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APPENDIX A

EASTERN MUNICIPAL WATER DISTRICT

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THE DISTRICT

Organization, Purpose and Powers

Eastern Municipal Water District (the “**District**”) was organized under the Municipal Water District Law, Division 20 of the Water Code of the State of California, as amended (the “**Law**”), on October 16, 1950 for the primary purpose of importing Colorado River water to its service area in order to augment local water supplies. The District’s service area is primarily located in the westerly third of Riverside County. Prior to the District’s formation, the local water supply largely consisted of groundwater wells. Presently, the District imports approximately 49% of its water supply (including approximately 75% of its potable water supply) from The Metropolitan Water District of Southern California (“**MWD**”) and derives approximately 51% of its water supply (including approximately 25% of its potable water supply) from local sources, including groundwater, desalinated water and recycled water. In general, the District supplies approximately 50% of the water consumed within the District’s service area each year; the remainder is provided by private groundwater wells and other agencies.

In 1962, the District began providing wastewater treatment services to customers within its service area and, as a consequence, has become actively involved in the production of recycled water (i.e., wastewater that has been treated to a level that is acceptable for non-domestic purposes).

The District’s water and wastewater customers include retail customers (e.g., residential, commercial and agricultural) located in both incorporated and unincorporated areas within the District’s service area, as well as wholesale customers (e.g., municipalities and local water districts) located within its service area.

The District is authorized to acquire, control, distribute, store, treat, reclaim, recapture and salvage any water (including sewage) for the beneficial use of the District, its inhabitants and the owners of rights to water in the District.

The Law also authorizes the District to exercise the power of eminent domain; to levy and collect taxes; to fix, revise and collect rates or other charges for the delivery of water, use of facilities or property or provisions for service; and to fix in each fiscal year of the District ending June 30 (each, a “**Fiscal Year**”) a water standby or availability charge and a sewage and wastewater service standby or availability charge on land within the boundaries of the District to which water and sewage and wastewater services, respectively, are made available by the District. The District may also issue bonds, borrow money and incur indebtedness. For a discussion of current and potential limitations on the District’s ability to maintain or increase taxes, fees and other charges, including such fees and other charges as may be limited by the terms of Proposition 218, see the caption “**HISTORICAL FINANCIAL OPERATIONS—Certain Limitations on Taxes and Other Revenue Sources.**”

As authorized under the Law, the District has established 61 separate special improvement districts within its service area for the purpose of providing certain water and wastewater improvements for each such special improvement district and charging the costs of such improvements to each such special improvement district through *ad valorem* taxes levied and collected on property located within the boundaries of each such special improvement district. Such *ad valorem* taxes levied and collected with respect to special improvement districts do not constitute revenues of the District’s Water and Sewer System, and general obligation bonds that are issued by the District on behalf of each special improvement district constitute obligations of such special improvement district, not obligations of the District. In addition, the District provides Water and Sewer Service to retail customers located within these special improvement districts and the charges for such service constitute revenues of the District’s Water and Sewer System.

The District does not presently levy any taxes other than *ad valorem* taxes in respect of special improvement districts for repayment of general obligation bond indebtedness. However, as provided under California law, the District does receive a share of the county-wide 1% tax levied and collected by Riverside

County. The proceeds of such share constitute Water and Sewer Revenues and are available to pay Maintenance and Operation Costs of the Water and Sewer System. See the caption “HISTORICAL FINANCIAL OPERATIONS—Certain Limitations on Taxes and Other Revenue Sources.”

The District is a member agency of MWD and is currently entitled to have one District representative on MWD’s Board of Directors (the “**MWD Board**”). The District annexed into MWD on July 20, 1951, primarily to ensure a reliable water supply during periods of drought and to settle then-outstanding claims for water seepage into the San Jacinto Tunnel. The District was named “Eastern” as it was the most easterly service area within MWD.

Board of Directors and Management

Board of Directors. The District is governed by a five-member Board of Directors (the “**Board**”). Directors are elected by geographic divisions for staggered four year terms. The Board regularly meets on the first and third Wednesday of each month. The Board has five standing committees: Administrative, Executive, Planning, Deferred Compensation Administrative Oversight and Operations/Engineering. These committees review District matters and recommend action to be taken by the Board.

Ronald W. Sullivan – Board President. A Board member since January 2003, Ronald W. Sullivan has a wide variety of experience with city and county organizations, including as chair of the Riverside County Planning Commission, City of Hemet Planning Commission and Riverside County Aviation Commission. Mr. Sullivan previously served on the staff of former State Senator Marian Bergeson. A licensed general contractor, he is experienced in real estate planning, design, development, and construction. He is an owner in Sullivan & Sullivan R.E. Group Inc. Mr. Sullivan serves on the Executive, Administrative and Operations/Engineering Committees. He is also the past chair of SAWPA and continues as a commissioner from the District. He represents the District on the Association of California Water Agencies (“**ACWA**”) Local Government Committee, and the Western Riverside Water and Wastewater Financing Authority. He is also liaison to Western Municipal Water District and the Pechanga Tribal Committee. His current Board term expires in January 2021.

Philip E. Paule – Board Vice President. A Board member since 2007, Philip E. Paule was re-elected to another four-year term in 2019. He is a graduate of California State University, Fullerton and has worked at various levels of government for the past two decades. Mr. Paule served as Board President from 2013 to 2014 and currently serves on the Board’s Administrative and Deferred Compensation Administrative Oversight Committees, as well as the Ad Hoc Committee for the Lake Hemet Municipal Water District. He currently serves on the Board of the Hemet/San Jacinto Watermaster. He also serves as a liaison to Elsinore Valley Municipal Water District and the Soboba Tribal Committee. Mr. Paule is on the Executive Committee of CalDesal. His current Board term will expire in January 2023.

Stephen J. Corona – Director. Stephen J. Corona was first elected to the Board in 2018 and serves on the Planning Committee. He is currently President of Corona Ranch, a diversified farming operation in the City of Temecula, growing grapefruit, avocados, onions, sod and hay. The Corona family also operates the Big Horse Feed Store. In 2001, Mr. Corona was elected to the Board of the Rancho California Water District, a position he held for 16 years, serving as President on three occasions. Mr. Corona has also served on other boards and committees, including the Riverside County Farm Bureau, the Riverside County General Plan Advisory Committee, Citrus, and the Elsinore-Murrieta-Anza Resource Conservation District. Mr. Corona also previously worked for Wells Fargo Bank. His current Board term will expire in January 2023.

Randy A. Record – Director. A Board member since January 8, 2001, Randy A. Record has previously served a two-year term as Board President. Mr. Record has been active in the San Jacinto farming community for over three decades. A 1976 graduate of California State Polytechnic University, San Luis Obispo, Mr. Record holds a Bachelor of Science degree in agricultural management, continuing his education in irrigation management. Beginning in January 2003, he has represented the District on the MWD Board and is

its past Chair as well as a member of its Executive Committee. He is also a member of MWD's Water Planning and Stewardship Committee, Engineering and Operations Committee, Finance and Insurance Committee, Legal and Claims Committee, Communications and Legislation Committee, Organization Personnel and Technology Committee, Audit and Ethics Committee, Special Committee on Bay-Delta, Agriculture and Industry Relations Committee, Integrated Resources Planning Committee and Real Property and Asset Management Committee. Mr. Record is a past President of ACWA. His current Board term expires in January 2021.

David J. Slawson – Director. A Board member since January 1995, Mr. Slawson previously served as Board President from January 2007 to January 2009. Both a licensed Professional Land Surveyor and licensed California attorney, he is a former member of the California Department of Consumer Affairs Board of Registration for Professional Engineers and Land Surveyors. Mr. Slawson is president of Winchester Associates, a civil engineering and land surveying firm. A longtime resident of Moreno Valley, Mr. Slawson is also a former Moreno Valley city planning commissioner. Mr. Slawson serves on the Board's Executive and Operations/Engineering Committees. He also serves as the liaison with Western Municipal Water District, is the alternate commissioner on the Santa Ana Watershed Project Authority ("SAWPA") and serves as a representative to the Western Region Council of Governments. His current Board term expires in January 2023.

Management.

Paul D. Jones II, P.E. – General Manager. Paul D. Jones II, General Manager, was appointed general manager in July 2011 and heads a staff of approximately 608 employees. Mr. Jones is the Past President of the national WaterReuse Association and WaterReuse California. He has served on the boards of the Water Research Foundation, the Southern California Water Committee and the Riverside County Water Task Force. In 2014, Mr. Jones was recognized by ACWA with its Excellence in Water Leadership Award. Previously, Mr. Jones was the General Manager of the Irvine Ranch Water District ("IRWD") from 1999 to 2011. Under his leadership, IRWD became known for diverse and highly reliable water supply and storage portfolios. While at IRWD, he was instrumental in the development of creative urban runoff treatment programs and natural resource management at the San Joaquin Marsh and Wildlife Sanctuary. Like the District, IRWD operates extensive sewer and recycled water systems. Prior to his service at IRWD, Mr. Jones was the General Manager of both West Basin Municipal Water District and Central Basin Municipal Water District in Carson, California. There he was responsible for the operation of two wholesale water districts governed by separate elected boards. Mr. Jones previously worked for a private environmental engineering firm and served as senior engineer and assistant to the general manager of Municipal Water District of Orange County. Mr. Jones also served as director of regional infrastructure planning and manager of infrastructure project engineering with The Irvine Company. Mr. Jones received his Bachelor of Science degree in civil engineering with an emphasis in water resources from California State Polytechnic University, Pomona, and is a registered professional engineer in the State of California.

Nick Kanetis – Deputy General Manager. Nick Kanetis, Deputy General Manager, joined the District in March 2014. His oversight responsibility includes operations as well as planning, engineering and construction. Previously, Mr. Kanetis was the Director of Engineering of Orange County Sanitation District ("OCSD"), where he was responsible for the planning, design and construction of OCSD's approximately \$2 billion capital improvement program. Prior to his service at OCSD, Mr. Kanetis filled executive management positions in private engineering consulting with a focus on the design, planning and construction management of municipal water and wastewater infrastructure projects. Mr. Kanetis has over thirty years of experience in the public and private sectors managing operations and the delivery of water and wastewater services. Mr. Kanetis is a registered professional engineer in the State of California and a licensed general building contractor. Mr. Kanetis received his Bachelor of Science degree in civil engineering degree with honors from The City University in London, England.

Laura M. Nomura, CPA – Deputy General Manager. Laura M. Nomura, CPA, Deputy General Manager, joined the District in 2018. Her oversight responsibility includes all accounting functions, budget and rate development, debt and investments and strategic financial planning, as well as information

systems, customer service, human resources, risk management, meter services, purchasing and contract management. Previously, Ms. Nomura was the Assistant General Manager-Finance and Chief Financial Officer for the City of Riverside for approximately 6 years. Prior to her service at the City of Riverside, Ms. Nomura held a variety of senior financial management positions in the public and private sector. Ms. Nomura has over 30 years of experience in financial management, accounting and auditing. Ms. Nomura received a Bachelor of Arts degree in Accounting from California State University, Fullerton, and is a Certified Public Accountant.

Jeff Wall – Assistant General Manager, Operations and Maintenance. Jeff Wall, Assistant General Manager, Operations and Maintenance, began his career with the District in 1988. Mr. Wall has over 30 years of experience in engineering and management and is responsible for water system operations, water reclamation, and maintenance functions of the District. His executive management experience includes five years as the Assistant General Manager/Chief Engineer for Lake Hemet Municipal Water District and seven years on the District’s executive team. Mr. Wall received a Bachelor of Science degree in Electrical Engineering Technology from LeTourneau University and a Masters of Public Administration degree from California State University, San Bernardino. He is a registered professional engineer in the State of California.

Joe Mouawad – Assistant General Manager, Planning, Engineering, and Construction. Joe Mouawad, Assistant General Manager, Planning, Engineering, and Construction, began his career with the District in August 2006. Mr. Mouawad has 25 years of professional engineering experience in both the public and private sectors. He served as Senior Director of Engineering with the District for ten years before he was promoted to Assistant General Manager in December 2016. He has been responsible for all engineering services performed by the District, including the execution of its \$460 million five-year water, wastewater and recycled water capital improvements program. Mr. Mouawad is a registered professional engineer in the State of California, with a Bachelor of Science degree in Civil Engineering from California State Polytechnic University, Pomona and a Masters of Science degree in Civil Engineering from University of California, Los Angeles.

Charles Turner – Chief Financial Officer and Treasurer. Charles Turner, Chief Financial Officer and Treasurer, joined the District in 2008. He manages the District’s financial programs, including financial planning, budget, treasury, debt management, rates and charges, and accounting. Prior to joining the District, Mr. Turner was the Director of Financial Management for the Port of Los Angeles, where he was responsible for financial planning and forecasts, financial analysis, lease negotiations, and credit/collections. Prior to joining the Port of Los Angeles, he served as a financial advisor to municipal agencies and special districts. Mr. Turner received a Bachelor’s degree in Finance from California State University, Long Beach.

Employee Relations

As of July 1, 2019, the District had 608 employees, of which 28 were in the Executive branch, 165 were in the Administrative Services branch, 273 were in the Operations and Maintenance branch and 142 were in the Engineering, Planning and Construction branch. The District’s single bargaining unit, which includes 441 employees, is represented by the International Brotherhood of Electrical Workers Local 1436 (the “**Union**”). The District’s memorandum of understanding (the “**MOU**”) with the Union was approved and came into effect in July 2016, and expired on December 31, 2019. The District and the Union have negotiated the terms of a new memorandum of understanding which is being considered by the Board and the Union in spring 2020. The expired MOU will govern relations between the District and the Union until the new memorandum of understanding is approved. The MOU includes a lower tier of retiree medical benefits for future employees, additional employee and retiree contributions to monthly medical premiums and additional employee pension contributions. See the caption “**HISTORICAL FINANCIAL OPERATIONS—Pension Plan.**” Labor and management maintain a stable, cooperative relationship, regularly working together to resolve problems of mutual interest. The District has never experienced a strike, slowdown or work stoppage.

Insurance Programs

Self-Insurance General Liability. Since June 30, 1986, the District has maintained a self-insurance program in connection with all of its general liability risks, including non-vehicular exposure loss due to premises, operations, personal injury and product liability.

Under this program, the District is responsible for all general liability claims and for developing and maintaining a self-insurance reserve fund of \$1,000,000. This insurance expense is proportionately allocated among the operating funds of the District in an amount adequate to maintain this level of reserve. The District requires all contractors, sub-contractors and vendors to maintain a minimum of \$1,000,000 general liability insurance for operations pertaining to District business, together with additional insured endorsements.

The Board established its self-insurance program for public liability with the assistance of an insurance consultant. An annual actuarial reserve review is conducted for this program. The most recent review in February 2018 concluded that such program was adequate for its purposes.

Excess General Liability Insurance Coverage. Effective June 2016, the Board approved excess general liability, public officials/management liability, and auto liability insurance coverage, with a \$30,000,000 coverage limit. This excess coverage is combined with the District's self-insured retention level and the auto primary coverage of \$1,000,000, subject to nominal deductibles.

Property Appraisal and Seismic Analysis. In 2018, a District consultant conducted a seismic risk assessment of District facilities other than underground pipelines. See the caption "—Seismic Considerations." The seismic risk assessment included replacement costs for structures and equipment at District facilities in the event of a loss and summarized values by location and by buildings. Construction data included year built, facility size and insurable values.

Property Insurance Coverage. The District maintains blanket Special Form insurance coverage for its buildings and equipment, with policy limits of \$769,024,000, excluding earthquake. Flood insurance is also provided on a blanket basis with a limit of \$1,000,000. The District's insurance program is consistent, in the District's judgment, with the District's covenant as to insurance contained in the Master Resolution, which covenant provides in part that the District is not required to procure or maintain such insurance unless such insurance is commercially available at a reasonable cost. Contractors and/or the District are required to provide Course of Construction insurance coverage during the period of construction.

Cyber Insurance Coverage. The District maintains insurance coverage for cyber risks with policy limits of \$10,000,000.

Seismic Considerations

In 2018, a District consultant conducted a seismic risk assessment of District facilities other than underground pipelines. The objective of the study was to provide the District with a preliminary characterization of the seismic vulnerability and expected earthquake loss levels for typical major structures and equipment at these facilities. The study included replacement costs for structures and equipment at District facilities in the event of a loss and summarized values by location and by buildings. Construction data included year built, facility size and insurable values.

The study indicated that, although the District is bounded by two active fault zones, the San Jacinto fault zone to the northeast and the Elsinore fault zone to the southwest, most of the District's facilities are at generally low risk of damage from seismic events due to the recency of their design, structural choices made during construction (such as stout reinforced concrete construction) and bracing and anchoring features. The impact of lesser magnitude events is expected by the District to be temporary, localized and repairable. District facilities are designed to withstand earthquakes with minimal damage. The District's facilities and main offices

are located on relatively level terrain, with firm alluvium composition, minimizing the potential for earthquake losses. The District has taken steps to reduce the impacts of fault rupture on major pipelines and maintains an inventory of repair items and large diameter pipe for such contingencies. The fresh water storage tanks are built on cut slopes and largely consist of large-diameter steel tanks of modest height with low height-to-diameter ratios. Most of the large tanks have an articulated large diameter inlet/outlet piping connection with flexible expansion couplings and are equipped with seismic control valves which will preserve the storage capacity during a large seismic event. Earthquake loads are taken into consideration in the design of project structures such as pumping plants and interceptor facilities. To date, no District facilities have suffered any significant earthquake damage.

The District has an Emergency Response Plan which is updated annually to ensure compliance with federal, State of California, and local regulations. In October 1995, the District agreed to participate in the Riverside County Emergency Operational Area, which is intended to organize the efforts of local agencies responding to a disaster and is part of the California Standardized Emergency Management System (“SEMS”) developed by the California Emergency Management Agency and the National Incident Management System (“NIMS”) developed by the Department of Homeland Security. Internally, the Emergency Response Plan calls for specific levels of response from District personnel who are to follow detailed steps for field facility inspection and assessment of damages. This information is then conveyed to the District’s Emergency Operations Center for development of response plans. The District conducts training exercises or drills annually in accordance with SEMS and NIMS guidelines.

The District has prepared a Hazard Mitigation Plan, which in part gives an “Earthquake Hazard Profile.” The profile includes a risk summary of probability and frequency, consequence and severity, vulnerability, and a hazard risk ranking score. In June 2017, the District completed a revision of the Hazard Mitigation Plan and has submitted the revised plan to the State of California and the Federal Emergency Management Agency for approval.

Debt Structure of the District

Parity Obligations. Pursuant to the Master Resolution, the District has issued revenue bonds which are secured by a pledge of and lien on Net Water and Sewer Revenues and constitute “Parity Obligations” under the Master Resolution. The Parity Obligations are payable from Net Water and Sewer Revenues on a senior basis to the Installment Purchase Agreement, dated as of May 1, 2020 (the “**2020A IPA**”), by and between the District and the Eastern Municipal Water District Financing Authority (the “**Authority**”), the payments under which (the “**Installment Payments**”) support the payment of principal of and interest on the Authority’s Refunding Water and Wastewater Revenue Bonds, Series 2020A (the “**2020A Bonds**”).

The following table summarizes the outstanding Parity Obligations under the Master Resolution as of July 1, 2019.

**TABLE 1
EASTERN MUNICIPAL WATER DISTRICT
Outstanding Parity Obligations**

<i>Name of Issue</i>	<i>Original Amount Issued</i>	<i>Principal Outstanding as of July 1, 2019</i>	<i>Final Scheduled Maturity Date</i>
Refunding Water and Sewer Revenue Bonds, Series 2011A	<u>\$56,255,000</u>	<u>\$4,750,000</u>	July 1, 2020
Total	<u>\$56,255,000</u>	<u>\$4,750,000</u>	

Source: Eastern Municipal Water District.

Subordinate State Contracts. The District has entered into several contracts (each, a “**State Contract**”) to fund certain costs related to design and construction of District infrastructure in accordance with the terms of each State Contract. Each State Contract was entered into with the State of California Department of Water Resources (“**DWR**”) or the State Water Resources Control Board (the “**SWRCB**”). Under each State Contract, the District drew upon available funds in increments as costs were incurred to finance projects. Repayment of the amounts borrowed is on a semi-annual basis and usually begins approximately one year following completion of the related project.

The District’s obligations to make State Contract repayments are payable from Net Revenues on parity with the Installment Payments. The following table sets forth the State Contracts related to completed projects which the District is currently repaying:

TABLE 2
EASTERN MUNICIPAL WATER DISTRICT
Outstanding Subordinate State Contract Obligations Relating to Completed Projects

<i>Loan Description</i>	<i>Project</i>	<i>Term</i>	<i>Interest Rate (%)</i>	<i>Total Debt Amount (Original)</i>	<i>Remaining Debt Balance (Outstanding)⁽¹⁾</i>	<i>Repayment End Date</i>
1. Safe Drinking Water State Revolving Fund Loan	Hemet Water Filtration Plant	20 years	0.00%	\$ 42,098,388	\$ 17,045,319	7/1/2028
2. State Revolving Fund No. 08-845-550 (Moreno Valley RWRf - SCATT)	Moreno Valley RWRf – SCATT	20 years	1.00	38,302,852	25,750,526	7/5/2032
3. State Revolving Fund No. 09-809-550-1 (Moreno Valley RWRf - APAD)	Moreno Valley RWRf – APAD	20 years	0.42	43,908,096	31,120,286	3/16/2033
4. State Revolving Fund No. C-06-7831-110 ⁽²⁾	Recycled Water Pond Expansion and Optimization	30 years	1.00	11,246,300	7,018,585	6/30/2047
5. Water Recycling Project No. C-06-8047-110 ⁽³⁾	Temecula Valley Regional Wastewater Recovery Facility Expansion	30 years	1.80	<u>95,264,880</u>	<u>46,159,548</u>	9/30/2048
Total				<u>\$ 230,820,516</u>	<u>\$ 127,094,264</u>	

⁽¹⁾ As of July 1, 2019, except for the loan described in Row 5, which reflects the expected outstanding amount when all draws are made upon this loan. See footnote (3) below.

⁽²⁾ \$3,448,130 of the amount of this State Contract constitutes a grant, contingent upon District repayment of the remaining principal amount plus interest.

⁽³⁾ \$15,000,000 of the amount of this State Contract constitutes a grant, contingent upon completion of the financed project. The District does not expect to draw on the full approved amount of \$95,264,880, as a portion of the project was funded from proceeds of the 2017D Bonds. See the caption “—Subordinate Obligations.”

Source: Eastern Municipal Water District.

The District has also entered into an Installment Sale Agreement (100% Principal Forgiveness), dated July 12, 2016 (the “**2016 Grant**”), with the SWRCB. The 2016 Grant, which is in the maximum principal amount of \$2,986,500, was entered into to finance the construction of a water distribution system for a community that was consolidated into the District’s service area. The system was fully constructed and is currently operational. Subject to final approval of the water distribution system from the SWRCB upon the completion of construction, the District will not be obligated to repay the 2016 Grant. In the event that the District becomes obligated to repay the 2016 Grant, repayment will be made over a two-year period at an interest rate of 12% from Net Revenues on parity with the Installment Payments.

The District has also entered into an additional State Contract (the “**Alessandro Ponds Contract**”) in the approximate amount of \$795,400 to finance the Alessandro Ponds Recycled Water Storage System, which is designed to increase the District’s recycled water pond storage capacity so that recycled water need not be discharged in winter months when demand is low and can be sold in summer months when demand is high. See

footnote (1) to Table 9 under the caption “WATER RESOURCES, FACILITIES AND USAGE—Water Production” and the caption “THE CAPITAL IMPROVEMENT PLAN.” The project is also expected to be funded in part from District reserves. Payments under the Alessandro Ponds Contract are expected to be forgiven in full, assuming that the District completes the project on time in accordance with plans approved by the SWRCB. Projected debt service figures shown in Tables 4 and 20 do not reflect the payment under the Alessandro Ponds Contract.

Subordinate Obligations. In addition to the Interest Rate Swap Agreements described below under the caption “—Interest Rate Swap Agreements” and the State Contracts described above under the caption “—Subordinate State Contracts,” District obligations that are payable from Net Revenues on parity with the Installment Payments (the “**Subordinate Obligations**”) are set forth in the following table.

TABLE 3
EASTERN MUNICIPAL WATER DISTRICT
Outstanding Subordinate Obligations

<i>Name of Issue</i>	<i>Original Amount Issued</i>	<i>Principal Outstanding as of July 1, 2019</i>	<i>Final Scheduled Maturity Date</i>
Refunding Water and Wastewater Revenue Bonds, Series 2015A (the “ 2015A Bonds ”) ⁽¹⁾	\$ 50,000,000	\$ 50,000,000	July 1, 2038
Water and Wastewater Revenue Bonds, Series 2015B (the “ 2015B Bonds ”) ⁽²⁾	74,430,000	74,430,000	July 1, 2046
Refunding Water and Wastewater Revenue Bonds, Series 2016A (the “ 2016A Bonds ”)	209,230,000	189,600,000	July 1, 2045
Water and Wastewater Revenue Bonds, Series 2016B (the “ 2016B Bonds ”) ⁽³⁾	124,925,000	120,855,000	July 1, 2035
Refunding Water and Wastewater Revenue Bonds, Series 2017A (the “ 2017A Bonds ”) ⁽⁴⁾	54,810,000	54,810,000	July 1, 2035
Refunding Water and Wastewater Revenue Bonds, Series 2017B (the “ 2017B Bonds ”) ⁽⁴⁾	50,225,000	50,225,000	July 1, 2038
Refunding Water and Wastewater Revenue Bonds, Series 2017C (the “ 2017C Bonds ”)	17,515,000	17,515,000	July 1, 2023
Water and Wastewater Revenue Bonds, Series 2017D (the “ 2017D Bonds ”) ⁽⁵⁾	102,500,000	102,500,000	July 1, 2047
Refunding Water and Wastewater Revenue Bonds, Series 2018A (the “ 2018A Bonds ”) ⁽⁶⁾	94,455,000	94,455,000	July 1, 2046
Refunding Water and Wastewater Revenue Bonds, Series 2018B (the “ 2018B Bonds ”) ⁽⁷⁾	53,485,000	53,140,000	July 1, 2030
Refunding Water and Wastewater Revenue Bonds, Series 2018C (the “ 2018C Bonds ”) ⁽⁸⁾	<u>47,780,000</u>	<u>47,780,000</u>	July 1, 2046
Total	<u>\$ 879,355,000</u>	<u>\$ 855,310,000</u>	

⁽¹⁾ The District has entered into a liquidity facility related to these obligations with The Toronto-Dominion Bank, acting through its New York Branch, expiring on May 21, 2021. Amounts payable thereunder constitute Subordinate Obligations payable from Net Revenues on parity with the Installment Payments. See the Official Statement under the caption “THE REFUNDING PLAN” for a discussion of the refunding of these obligations from proceeds of the 2020A Bonds.

⁽²⁾ The 2015B Bonds were issued by the Eastern Municipal Water District Financing Authority (the “EMW DFA”), a joint exercise of powers authority of which the District is a member. The District’s obligations under an installment purchase agreement with the EMW DFA (the “**2015B IPA**”), which secure the 2015B Bonds, are payable from Net Revenues on parity with the Installment Payments.

⁽³⁾ The 2016B Bonds were issued by the EMW DFA. The District’s obligations under an installment purchase agreement with the EMW DFA (the “**2016B IPA**”), which secure the 2016B Bonds, are payable from Net Revenues on parity with the Installment Payments.

⁽⁴⁾ The District has entered into a liquidity facility related to these obligations with Sumitomo Mitsui Banking Corporation expiring on April 12, 2022. Amounts payable thereunder constitute Subordinate Obligations payable from Net Revenues on parity with the Installment Payments. See the Official Statement under the caption “THE REFUNDING PLAN” for a discussion of the refunding of these obligations from proceeds of the 2020A Bonds.

⁽⁵⁾ The 2017D Bonds were issued by the EMW DFA. The District’s obligations under an installment purchase agreement with the EMW DFA (the “**2017D IPA**”), which secure the 2017D Bonds, are payable from Net Revenues on parity with the Installment Payments.

⁽⁶⁾ The District has entered into a liquidity facility related to these obligations with Sumitomo Mitsui Banking Corporation expiring on April 12, 2022. Amounts payable thereunder constitute Subordinate Obligations payable from Net Revenues on parity with the Installment Payments.

⁽⁷⁾ The District maintains an Interest Rate Swap Agreement with WFB related to these obligations. See the caption “—Interest Rate Swap Agreements.” The District’s obligation to make regularly scheduled payments under such Interest Rate Swap Agreement is payable from Net Revenues on parity with payment of the Installment Payments and the District’s obligation to make termination payments under such Interest Rate Swap Agreement is payable from Net Revenues on a basis immediately subordinate to the Installment Payments.

⁽⁸⁾ The District maintains an Interest Rate Swap Agreement with WFB related to these obligations. See the caption “—Interest Rate Swap Agreements.” The District’s obligation to make regularly scheduled payments under such Interest Rate Swap Agreement is payable from Net Revenues on parity with payment of the Installment Payments and the District’s obligation to make termination payments under such Interest Rate Swap Agreement is payable from Net Revenues on a basis immediately subordinate to the Installment Payments.

Source: Eastern Municipal Water District.

Other Subordinate Obligations. Certain amounts payable to banks that provide credit or liquidity facilities in connection with certain District obligations constitute Subordinate Obligations which are payable from Net Revenues on parity with the Installment Payments. No such amounts are currently outstanding.

Interest Rate Swap Agreements.

General. As of July 1, 2019, the District had outstanding the following interest rate swap agreements (collectively, the “**Interest Rate Swap Agreements**”) with the following counterparties (collectively, the “**Swap Providers**”) in the aggregate notional amount of \$60,710,000:

<i>Related Bond Issue</i>	<i>Notional Amount as of July 1, 2019</i>	<i>Swap Provider</i>	<i>District Pays</i>	<i>District Receives</i>	<i>Scheduled Maturity/Termination Date</i>
2018B Bonds	\$53,140,000	Wells Fargo Bank, National Association (“ WFB ”)	3.10 %	66% of 1 month LIBOR	7/1/2030
2018C Bonds ⁽¹⁾	7,570,000	WFB	5.125	SIFMA	7/1/2020

⁽¹⁾ This Interest Rate Swap Agreement hedges only a portion of the 2018C Bonds.
Source: Eastern Municipal Water District.

In the event of early termination of an Interest Rate Swap Agreement, there can be no assurance that: (i) the District will receive any termination payment payable to the District by the applicable Swap Provider; (ii) the District will have sufficient amounts to pay any termination payment that is payable by the District to the applicable Swap Provider; or (iii) the District will be able to obtain a replacement Interest Rate Swap Agreement with comparable terms.

There is no guarantee that the floating rate that is payable to the District pursuant to each of the Interest Rate Swap Agreements will match the variable interest rate on the associated obligations to which the respective Interest Rate Swap Agreement relates at all times or at any time. Under certain circumstances, the counterparty to an Interest Rate Swap Agreement may be obligated to make a payment to the District under its respective Interest Rate Swap Agreement that is less than the interest due on the associated obligations to which such Interest Rate Swap Agreement relates. In such event, the District would be obligated to pay such insufficiency from Net Revenues.

Pursuant to the terms of the Interest Rate Swap Agreements, the District is required to post collateral in favor of the applicable counterparty to the extent that the District’s total exposure for termination payments to such counterparty exceeds the threshold specified in the applicable Interest Rate Swap Agreement. Conversely, the counterparties are required to release collateral to the District as market conditions become favorable to the District and may be required to post collateral for the benefit of the District to the extent that such counterparty’s total exposure for termination payments to the District exceeds the threshold specified in the applicable Interest Rate Swap Agreement. To date, the District has never been required to post collateral under either Interest Rate Swap Agreement. However, there can be no assurance that the District will not be required to post collateral in the future. Collateral deposited by the District would be held by the applicable counterparty or an agent therefor and a bankruptcy of any counterparty holding collateral posted by the District could adversely affect the return of the collateral to the District. Moreover, posting collateral limits the District’s liquidity. If the District were required to post significant collateral in the future, the District’s liquidity may be adversely affected.

From time to time, the District may enter into additional interest rate swap agreements with security and payment provisions as determined by the District and subject to any conditions contained in the indenture of trust pursuant to which the 2020A Bonds are being issued or the 2020A IPA. As of July 1, 2019, the market-to-market value of the Interest Rate Swap Agreements was negative \$7,600,002 with respect to the Interest Rate

Swap Agreement relating to the 2018B Bonds (the “**LIBOR Swap**”) and negative \$333,931 with respect to the Interest Rate Swap Agreement relating to the 2018C Bonds (the “**SIFMA Swap**”).

LIBOR Swap. The obligation of the District to make regularly scheduled payments to WFB, the Swap Provider under the LIBOR Swap, is payable from Net Revenues on parity with the Installment Payments. Under certain circumstances, including but not limited to a downgrade of the ratings applicable to subordinate obligations of the District, the LIBOR Swap may be terminated and the District may be required to make a termination payment to WFB. Pursuant to the LIBOR Swap, any such termination payment owed by the District would be payable from Net Revenues on basis immediately subordinate to the Installment Payments.

The 2018B Bonds mature in 2030, which is the year of scheduled termination of the LIBOR Swap. The outstanding principal amount of the 2018B Bonds matches the notional amount of the LIBOR Swap and, as a result, the 2018B Bonds will be hedged by the LIBOR Swap.

SIFMA Swap. The obligation of the District to make regularly scheduled payments to WFB, the Swap Provider under the SIFMA Swap, is payable from Net Revenues on parity with the Installment Payments. Under certain circumstances, including but not limited to a downgrade of the ratings applicable to subordinate obligations of the District, the SIFMA Swap may be terminated and the District may be required to make a termination payment to WFB. Any such termination payment owed by the District pursuant to the SIFMA Swap would be payable from Net Revenues on a basis immediately subordinate to the Installment Payments.

The 2018C Bonds mature in 2046, which is later than the scheduled termination date of the SIFMA Swap in 2020. Accordingly, the outstanding principal amount of the 2018C Bonds does not match the notional amount of the SIFMA Swap and, as a result, a portion of the 2018C Bonds will be unhedged. Such unhedged portion has grown each year as the notional amount of the SIFMA Swap has declined. Upon the termination of the SIFMA Swap on July 1, 2020, none of the 2018C Bonds will be hedged.

Summary of Debt Service. The following table summarizes projected debt service with respect to: (i) the District’s outstanding Parity Obligations; and (ii) the 2020A IPA and other Subordinate Obligations.

TABLE 4
EASTERN MUNICIPAL WATER DISTRICT
Estimated Debt Service Schedule

<i>Period Ending June 30</i>	<i>Total Parity Obligation Debt Service⁽¹⁾</i>	<i>Subordinate Obligations</i>				<i>Total Debt Service⁽⁴⁾</i>
		<i>2020A IPA Principal</i>	<i>2020A IPA Interest</i>	<i>Subordinate Obligation Debt Service⁽²⁾</i>	<i>Subordinate State Contracts Debt Service⁽³⁾</i>	
2020	\$ 4,875,625	\$ -	\$ -	\$41,522,654	\$ 6,824,930	\$53,223,209
2021	4,868,750	-	3,340,978	38,707,703	8,562,187	55,479,618
2022	-	-	5,620,337	44,900,021	8,562,187	59,082,545
2023	-	-	5,620,337	44,905,892	8,562,187	59,088,416
2024	-	-	5,620,337	44,592,435	8,562,187	58,774,960
2025	-	2,540,000	5,556,837	43,416,169	8,562,187	60,075,194
2026	-	2,710,000	5,425,587	43,414,510	8,562,187	60,112,284
2027	-	2,870,000	5,286,087	43,443,758	8,562,187	60,162,032
2028	-	2,985,000	5,139,712	43,488,237	8,562,187	60,175,136
2029	-	3,185,000	5,021,293	44,529,050	7,509,728	60,245,072
2030	-	3,345,000	4,893,875	45,601,043	6,457,268	60,297,186
2031	-	3,530,000	4,722,000	45,630,728	6,457,268	60,339,996
2032	-	3,735,000	4,540,375	45,588,375	6,457,268	60,321,018
2033	-	3,935,000	4,348,625	45,620,875	6,457,268	60,361,768
2034	-	4,195,000	4,145,375	47,592,125	2,041,169	57,973,669
2035	-	4,450,000	3,929,250	50,049,725	2,041,169	60,470,144
2036	-	4,700,000	3,700,500	50,079,625	2,041,169	60,521,294
2037	-	24,960,000	2,959,000	22,086,050	2,041,169	52,046,219
2038	-	26,770,000	1,732,200	22,092,425	2,041,169	52,635,794
2039	-	28,235,000	564,700	22,138,613	2,041,169	52,979,482
2040	-	-	-	52,141,642	2,041,169	54,182,811
2041	-	-	-	52,143,998	2,041,169	54,185,167
2042	-	-	-	52,151,319	2,041,169	54,192,488
2043	-	-	-	52,149,454	2,041,169	54,190,623
2044	-	-	-	46,498,056	2,041,169	48,539,225
2045	-	-	-	46,497,763	2,041,169	48,538,932
2046	-	-	-	46,495,663	2,041,169	48,536,832
2047	-	-	-	46,502,679	2,041,169	48,543,848
2048	-	-	-	46,734,875	2,041,169	48,776,044
TOTAL⁽⁴⁾	\$ 9,744,375	\$122,145,000	\$82,167,410	\$1,270,715,460	\$139,278,761	\$1,624,051,006

⁽¹⁾ See the caption “—Parity Obligations.”

⁽²⁾ Excludes debt service on 2020A IPA and State Contracts. Interest on the 2018B Bonds is calculated at the LIBOR Swap rate of 3.10% per annum. See the caption “—Interest Rate Swap Agreements.” Interest on the hedged portion of the 2018C Bonds is calculated at the SIFMA Swap rate of 5.125% per annum through the termination date of the SIFMA Swap on July 1, 2020. Interest on the unhedged portion of the 2018C Bonds is calculated at an assumed interest rate of 3.50% per annum. Reflects the refunding of the 2015A Bonds, 2017A Bonds and 2017B Bonds from proceeds of the 2020A Bonds on June 10, 2020. See the Official Statement under the caption “THE REFUNDING PLAN.” Reflects scheduled debt service on the 2015B IPA, the 2016A Bonds, the 2016B IPA, the 2017C Bonds and the 2017D IPA as set forth in Table 3 under the caption “—Subordinate Obligations.” Interest on the 2018A Bonds is calculated at an assumed interest rate of 3.50% per annum.

⁽³⁾ Reflects debt service on State Contracts described in Table 2 under the caption “—Subordinate State Contracts.”

⁽⁴⁾ Totals may not add due to rounding.

Source: PFM Financial Advisors LLC.

Improvement District Bonds. The District has established 61 special improvement districts, of which 32 are water special improvement districts, 23 are sewer special improvement districts and six are combined water and sewer special improvement districts. Since 1952, the District has issued (on behalf of certain of these special improvement districts) 115 series of voter-authorized general obligation bonds, of which \$31,420,000 aggregate principal amount remained outstanding as of July 1, 2019. There remain \$547,650,000 aggregate principal amount of authorized but unissued general obligation bonds of the various special improvement districts within the District as of July 1, 2019. Such bonds are payable from *ad valorem* taxes levied by the District within the improvement districts for which such bonds were issued. Each series of such bonds constitutes an obligation of the respective special improvement district, not an obligation of the District, and the *ad valorem* taxes levied by the District on behalf of each such special improvement district are available only for the repayment of the bonds issued for such special improvement district. See the caption “HISTORICAL FINANCIAL OPERATIONS—Certain Limitations on Taxes and Other Revenue Sources” for a discussion of certain limitations on the District’s ability to levy *ad valorem* taxes.

District Debt Policy

The District has adopted a Comprehensive Debt Management Policy (the “**Debt Policy**”) in accordance with California Government Code § 8855. The Debt Policy sets forth the parameters for issuing debt and managing outstanding debt and provides guidance to decisionmakers regarding the timing and purposes for which debt may be issued, the types and amounts of permissible debt and the methods of sale that may be used. Adherence to the Debt Policy helps to ensure that the District’s debt is issued and managed prudently in order to maintain a sound fiscal position and optimal credit ratings.

The Debt Policy updates and replaces the District’s prior Special District (Land Secured) Financing Policies, interest rate swap policy and disclosure procedures. The District reviews the Debt Policy several times per year (whenever there is a material change in risk exposures or conditions). The Policy was adopted by the Board of Directors and incorporated into Title 3, Article 8 of the District’s Administrative Code on January 18, 2017.

District Investment Policy

Section 4 of the District’s Administrative Code includes the District’s investment policy (the “**Investment Policy**”), which is intended to promote its stated objectives of: (i) preserving principal by mitigating both credit risk and market risk; (ii) maintaining liquidity; and (iii) providing an acceptable rate of return after first considering safety of principal and liquidity.

Under the Investment Policy, investments will be generally consistent with the Prudent Investor Rule and are governed by certain provisions of the California Government Code. Within the limitations imposed by the California Government Code, the District further restricts the types of investments and their maturities. Generally, permitted investments include: United States Treasury, agency and instrumentality obligations; obligations of the State of California and its political subdivisions and local agencies; banker’s acceptances; commercial paper of domestic corporations; certificates of deposits; repurchase agreements; reverse repurchase agreements; the California Local Agency Investment Fund established by the State Treasurer; time deposits; medium-term notes of corporations; mutual funds; mortgage and consumer receivable pass-through securities; collateralized mortgage obligations; and mortgage and consumer receivable-backed certificates. Under the Investment Policy, prohibited investments include inverse floaters, indexed notes and interest-only strips that are derived from a pool of mortgages.

In addition, the Investment Policy provides certain guidelines for diversification of investments, liquidity goals, qualification of banks and securities dealers and collateralization requirements for certain investments.

District Reserve Policy

The District's Administrative Code also includes a reserve policy (the "**Reserve Policy**") which governs the District's general fund reserve, construction reserves and general damage reserve. General fund reserves are intended to provide working capital, allow for unanticipated changes to budgeted expenses and provide adequate cash flow during disasters or other emergencies. The general fund reserve target is 5% of total operating fund moneys. Construction reserves are intended to support the District's capital improvement program and are segregated into restricted (developer-funded) and unrestricted funds. The general damage reserve is intended to provide moneys for unanticipated claims against the District. The general damage reserve target is the average amount of claims against the District for the prior three Fiscal Years less the current Fiscal Year's accrued liability.

The Reserve Policy was adopted by the Board on January 22, 2003 and is subject to change at any time at the discretion of the Board. Neither the 2020A IPA nor the 2020A Indenture require the District to maintain a debt service reserve fund for the 2020A Bonds. As of June 30, 2019, the District had approximately \$367 million in available cash reserves, representing approximately 643 days of Maintenance and Operation Costs in the form of cash on hand. The District's total investment portfolio (including restricted reserves), from which it derives interest earnings, is approximately \$553 million and is invested in various securities with an average yield of approximately 1.90% as of December 31, 2019. See Note 2 in Appendix B for further information with respect to District reserves.

Cybersecurity

The District relies on computers and technology to conduct its operations. The District and its departments face cyber threats from time to time including, but not limited to, hacking, viruses, malware and other forms of technology attacks. Recently, there have been significant cybersecurity incidents affecting municipal agencies, including a freeze affecting computer systems of the City of Atlanta, an attack on the City of Baltimore's 911 system, an attack on the Colorado Department of Transportation's computers and an attack that resulted in the temporary closure of the Port of Los Angeles' largest terminal.

The District employs a multi-level cyber protection scheme that includes firewalls, anti-virus software, anti-spam/malware software, multi-factor authentication, intrusion protection and domain name system filtering software. The District also contracts with third party vendors to monitor and augment internal monitoring of the District's computer systems. To date, the District has not experienced an attack on its computer operating systems. However, there can be no assurance that the District's security and operational control measures will be successful in guarding against all cyber threats and attacks. The results of any attack on the District's computer system could negatively impact the District's operations, and the costs related to such attacks could be substantial, although the District expects that any negative impacts would be temporary. The District maintains cyber insurance coverage, as discussed under the caption "—Insurance Programs—Cyber Insurance Coverage."

DISTRICT SERVICE AREA

General

The District's service area lies within the westerly third of Riverside County, encompassing approximately 355,200 acres (approximately 555 square miles). The first map below is a detailed map of the District's service area, while the second map below indicates the District's location within the southern California region. When the District was annexed to MWD by the District's voters in 1951, the District's service area consisted of 86 square miles. Growth has resulted from 88 annexations ranging in area from 1 to 72,000 acres. In addition, there have been 8 detachments of service areas. The District is divided into separate regional service areas for water service and for sewer service.

Riverside County’s population was approximately 2.5 million as of calendar year 2019. Of this total population, the District serves approximately 34%. The District has estimated that the population of the District’s service area as of Fiscal Year 2019 was approximately 839,226.

The District provides wastewater service in certain areas in which retail water service is provided by other agencies. Historic population and water and wastewater connection information for the District is set forth below:

<i>Fiscal Year</i>	<i>Population</i>	<i>Water Connections</i> ⁽¹⁾	<i>Wastewater Connections</i> ⁽²⁾
1990	190,548	63,516	91,176
2000	450,000	83,283	139,248
2005	596,000	112,845	190,321
2010	699,000	133,810	226,846
2011	705,000	135,233	228,701
2012	768,000	136,478	230,356
2013	776,986	138,141	232,431
2014	785,000	140,028	235,194
2015	794,790	141,752	237,911
2016	803,973	143,517	241,210
2017	816,411	145,939	245,013
2018	827,343	148,994	248,759
2019	839,226	150,807 ⁽³⁾	252,683

⁽¹⁾ Active water accounts as of June 30 of each Fiscal Year.

⁽²⁾ By equivalent dwelling unit. Reflects an average of active connections over the course of the listed Fiscal Years. Does not include recycled water connections. See the caption “WASTEWATER AND RECYCLED WATER FACILITIES AND USAGE—District Recycled Water Supply” for Fiscal Year 2019 recycled water connections.

⁽³⁾ Does not match figure shown under the caption “WATER RESOURCES, FACILITIES AND USAGE—Water Sales and Delivery” because such figures reflect an average of active connections over the course of each Fiscal Year.

Source: Eastern Municipal Water District.

Projected additional water and wastewater connections are set forth in Footnotes (13) and (12), respectively, to Table 20 under the caption “PROJECTED OPERATING RESULTS.”

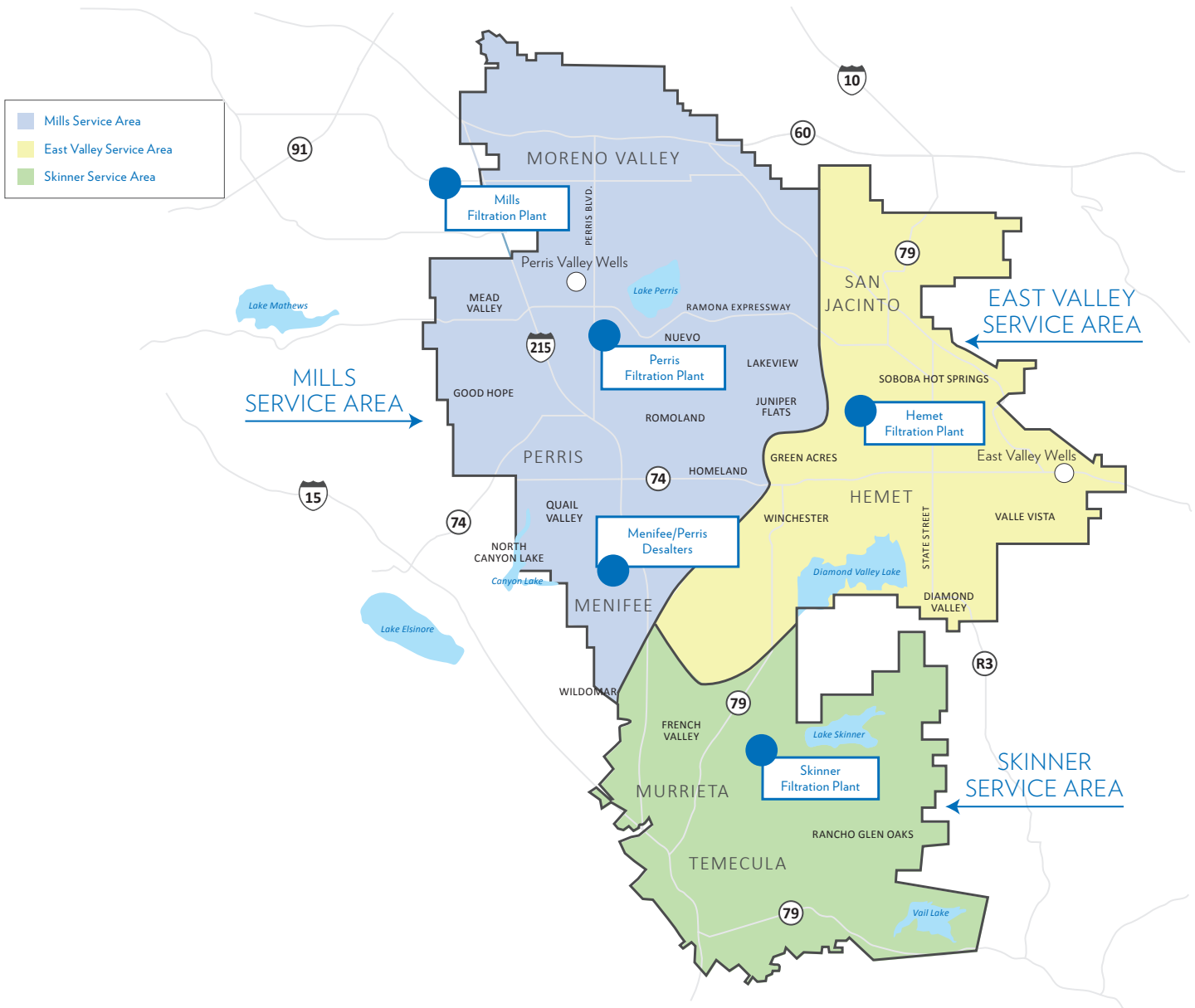
Proposed Annexations

In 2018, Fallbrook Public Utility District (“**FPUD**”) and Rainbow Municipal Water District (“**RMWD**”), water agencies with service areas that are located south and southwest of the District’s service area, approached the District to discuss the potential of annexing into the District’s service area. FPUD and RMWD are located in San Diego County and are currently within the service area of San Diego County Water Authority (“**SDCWA**”), which like the District is an MWD member agency. On March 25, 2020, FPUD and RMWD submitted applications to detach from SDCWA’s service area and annex into the District’s service area. The applications will be considered by the San Diego County Local Agency Formation Commission (“**LAFCO**”) and could necessitate a municipal service review, which is a detailed analysis of the benefits and drawbacks of the proposed annexations. If the annexations are approved by LAFCO, they would be submitted to voters within the FPUD and RMWD service areas for approval.

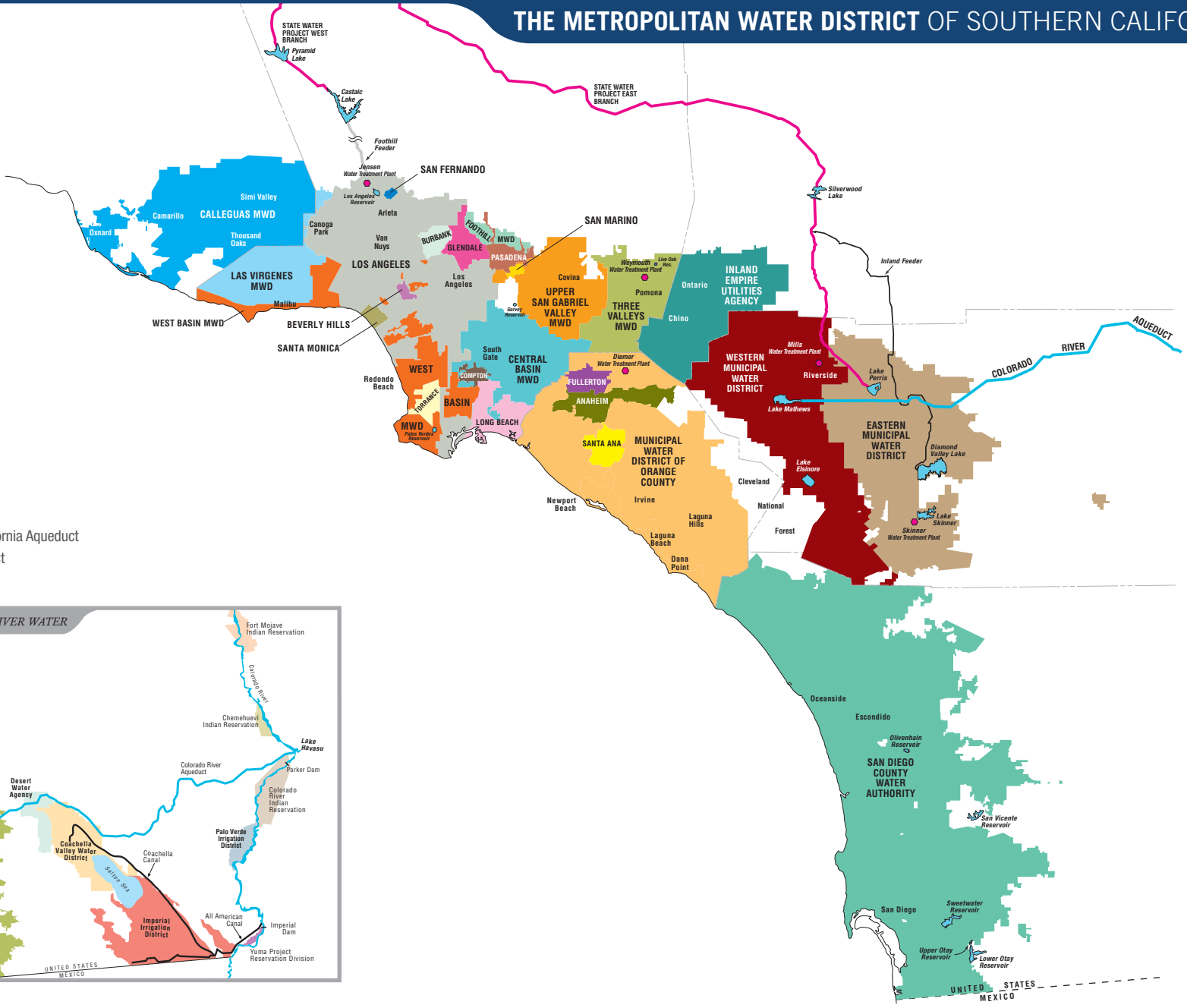
If the annexations are effected, FPUD and RMWD would receive MWD water through the District rather than through SDCWA. The agencies would purchase such water at wholesale rates determined by the District and would be required to comply with the District’s Administrative Code. The District does not expect significant changes to its operating expenses or revenues should the annexations be effected because the infrastructure to serve MWD water to FPUD and RMWD through the District’s service area is largely in place.

Although the District is unable to provide any assurance as to the ultimate outcome of the FPUD and RMWD annexation applications, the District expects that LAFCO's consideration of the applications will take several years. The District also expects that SDCWA will oppose the applications. For the foregoing reasons, the projected operating results that are set forth herein do not include any adjustments to operating expenses or revenues to reflect the proposed annexations.

SERVICE AREA MAP AND INCORPORATED CITIES



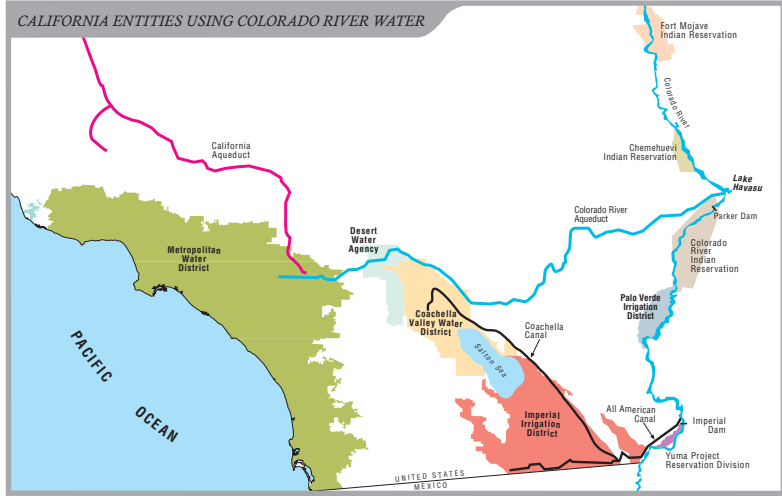
THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA



METROPOLITAN'S MEMBER AGENCIES

LEGEND

- Department of Water Resources' California Aqueduct
- Metropolitan's Colorado River Aqueduct
- Water Treatment Plants



WATER RESOURCES, FACILITIES AND USAGE

General

The District receives its potable water supply from two sources: (i) local groundwater; and (ii) water imported by the District. The sole source of the District's imported water is MWD. The District also supplies recycled water, or highly treated sewage effluent, for non-domestic purposes.

Approximately 51% of the District's total water supply (including domestic and non-domestic) comes from local sources, including approximately 9% from potable groundwater, approximately 6% from groundwater that must undergo desalination treatment to be used as potable water and approximately 36% from recycled water. Groundwater sources are heavily dependent upon rainfall and other sources of recharge. The remaining 49% of the District's water supply (including approximately 75% of its potable water supply) comes from purchases from MWD, which in turn obtains its water supply from two primary sources: (i) the Colorado River via the Colorado River Aqueduct; and (ii) the State Water Project via the Edmund G. Brown California Aqueduct. In Fiscal Year 2019, MWD supplied the District with approximately 64,743 acre feet of water. (Quantities of water are expressed in terms of acre feet. An acre foot is the amount of water which will cover one acre to a depth of one foot and is equivalent to 325,900 gallons.)

The District provides water service to retail customers located within the cities of Menifee, Moreno Valley, Murrieta, Temecula and Wildomar and the unincorporated communities of Good Hope, Homeland, Lakeview, Nuevo, Mead Valley, Quail Valley, Romoland, Valle Vista and Winchester. The District also supplies water on a wholesale basis to the cities of Hemet, San Jacinto and Perris, Lake Hemet Municipal Water District ("LHMWD"), Nuevo Mutual Water Company, Western Municipal Water District and DWR (collectively, the "Wholesale Customers").

Because the largest single component of the District's rates is the cost of water purchased from MWD, the District has, historically, adjusted its water rates to its customers as the cost of water purchased from MWD has changed. See the caption "HISTORICAL FINANCIAL OPERATIONS—Operating Revenues."

The Metropolitan Water District of Southern California

Composition of MWD. MWD was created in 1928 by vote of the electorates of a number of Southern California cities to provide a supplemental supply of water for domestic and municipal uses at wholesale to its member agencies. The MWD service area comprises approximately 5,200 square miles and includes portions of the six counties of Los Angeles, Orange, Riverside, San Bernardino, San Diego and Ventura. There are 26 member agencies of MWD, consisting of 14 cities, 11 municipal water districts (including the District) and one county water authority. MWD is governed by a Board of Directors, currently numbering 37 members. Each member agency has at least one representative on the MWD Board. Representation and voting rights are based upon each member agency's assessed valuation. The District has one representative on the MWD Board. The total population of the MWD service area is approximately 19 million.

MWD Scheduling and Operations. MWD member agencies request water from MWD at various delivery points within MWD's service area and pay for such water at uniform rates established by the MWD Board for each class of service. For planning purposes, each MWD member agency advises MWD annually in December of its anticipated delivery requirements for each of the five following fiscal years. Charges for water delivered are billed monthly and payable by the end of the second month following delivery.

MWD Revenues. MWD revenues are primarily derived from water sales. Water rates are established by majority vote of the MWD Board and are not subject to regulation by the California Public Utilities Commission or by any other local, State of California or federal agency. Rates must be uniform for any class of service, and no water may be provided free of charge. Under the Metropolitan Water District Act, California Statutes 1969, Chapter 209, as amended (the "MWD Act"), MWD is required, so far as practicable, to fix such

rate or rates for water as will result in revenue which, together with revenue from any water standby or availability charge or assessment, will pay the operating expenses of MWD, provide for repairs and maintenance, provide for payment of the purchase price or other charges for property or services or other rights acquired by MWD and provide for the payment of the interest and principal of the bonded debt of MWD, subject to the applicable provisions of the MWD Act authorizing the issuance and retirement of such bonds. The same water rate is charged for water provided from the Colorado River and the State Water Project.

MWD is also empowered to impose an annual water standby or availability service charge, to be allocated among MWD’s member agencies as determined by the MWD Board based on, among other factors: historical water deliveries by MWD; contracted or projected water service demands by member agencies; service connection capacity; acreage; property parcels; population; and assessed valuation. The charge may be collected from the member agencies or from individual parcels or may be converted into a benefit assessment. MWD imposes a water standby charge ranging from \$6.94 to \$12.23 for each acre or parcel less than an acre within MWD’s service area, subject to specific exempt categories. Standby charges are assessments under the terms of Proposition 218. See the caption “HISTORICAL FINANCIAL OPERATIONS—Certain Limitation Taxes and Other Revenue Services.” A majority of the MWD Board can approve a higher rate. Different rates may be established for parcels situated within different member agencies.

The following table sets forth MWD’s rates for treated and untreated water from January 1, 2015 to January 1, 2020.

TABLE 5
THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
Summary of Water Rates in Dollars per Acre Foot

<i>Rates Effective Beginning</i>	<i>Full Service Domestic</i>	
	<i>Treated</i>	<i>Untreated</i>
January 1, 2015 Tier 1	\$ 923	\$ 582
January 1, 2015 Tier 2	1,055	714
January 1, 2016 Tier 1	942	594
January 1, 2016 Tier 2	1,076	728
January 1, 2017 Tier 1	979	666
January 1, 2017 Tier 2	1,073	760
January 1, 2018 Tier 1	1,015	695
January 1, 2018 Tier 2	1,101	781
January 1, 2019 Tier 1	1,050	731
January 1, 2019 Tier 2	1,136	817
January 1, 2020 Tier 1	1,078	755
January 1, 2020 Tier 2	1,165	842

Source: Eastern Municipal Water District.

MWD levies *ad valorem* taxes upon all of the property that is taxable for MWD purposes in the MWD service area, including the District’s service area. Between July 1, 1990 and June 30, 2013, in accordance with the MWD Act, MWD has limited its tax levy to the amount that is needed to pay: (i) the general obligation bond debt service of MWD; and (ii) that portion of MWD’s payment obligation under its water supply contract with the State of California attributable to debt service on certain State of California general obligation water bonds. The MWD tax levy amount has remained at the Fiscal Year 2013 level since Fiscal Year 2013. Taxes will cease to be levied when the general obligation bonds of MWD and the State of California general obligation water bonds are fully paid, although the MWD Act permits the MWD Board to continue to levy taxes upon a declaration of fiscal necessity.

District Water Facilities

The District's distribution system for potable water includes 82 water booster or pumping plants, 203 million gallons of surface storage capacity and approximately 2,200 miles of pipeline ranging from 4 to 60 inches in diameter.

Wells. Locally, the District currently maintains 14 active domestic production wells. The wells, which supplied approximately 11% of the District's domestic water in Fiscal Year 2019, are listed by location, current status and Fiscal Year 2019 production in the following table. The District also pumps groundwater from wells in the Perris South and Lakeview sub-basins. Information relating to such wells is not set forth below because groundwater produced from such wells is brackish and must be desalinated prior to use. See the caption "—Groundwater Supplies—General."

TABLE 6
EASTERN MUNICIPAL WATER DISTRICT
Active Domestic Production Wells

<i>Location</i>	<i>Status</i>	<i>Fiscal Year 2019 Production (in acre feet)</i>	<i>Current Pumping Capacity⁽¹⁾</i>	
			<i>gallons/minute</i>	<i>acre feet/day</i>
<u>San Jacinto Basin – Cienega Area of Canyon Sub-Basin</u>				
No. 17 Cienega Well	Active	617	1,400	6.2
No. 26 Cienega Well	Active	575	1,950	8.6
No. 34 Cienega Well	Active	549	1,600	7.1
<u>San Jacinto Basin – Intake Area of Upper Pressure Sub-Basin⁽²⁾</u>				
No. 25 Fruitvale Well	Active	1,338	1,400	6.2
No. 33 Mountain Avenue Well	Active	827	1,000	4.4
No. 36 New Washington St.	Active	172	800	3.5
<u>San Jacinto Basin – Upper Pressure Sub- Basin</u>				
No. 29 Quandt Well	Active	2,238	1,550	6.8
No. 90 Evans/Old Mtn Well	Active	781	1,000	4.4
No. 91 Ramona/Espl Well	Active	2,454	1,600	7.1
No. 92 Ramona/Hemet Well	Active	2,536	1,700	7.5
<u>San Jacinto Basin – Hemet South Sub- Basin</u>				
No. 35 Palm & Menlo Well ⁽³⁾	Active	260	600	2.7
<u>San Jacinto Basin – Perris North Sub- Basin</u>				
No. 55 Perris II Well	Active	585	700	3.1
No. 56 Perry Street Well	Active	800	900	4.0
No. 57 Follico Well	Active	689	900	4.0
No. 59 Indian Avenue Well ⁽⁴⁾	Inactive	0	0	0.0
Total Production ⁽⁵⁾		14,421	17,100	75.6

⁽¹⁾ Tested capacity can vary with changes in water table.

⁽²⁾ Excludes Well Nos. 14, 27 and 80 because such wells were removed from production in April 2015, April 2016 and August 2016, respectively.

⁽³⁾ Well No. 35 was recently rehabilitated and was returned to service in March 2019.

⁽⁴⁾ Through monitoring required by the federal Environmental Protection Agency's ("EPA") Unregulated Contaminant Monitoring Rule, the District detected perfluorooctanoic acid and perfluorooctanesulfaonic acid (collectively, "PFAS") at levels that exceed new EPA health advisory levels in Well No. 59. See the captions "—Groundwater Supplies—General" and "—Quality of District Water—PFAS." The District voluntarily shut down Well No. 59 in May 2016 and has entered into two agreements with the United States Air Force (the designated responsible party) to mitigate the physical and economic impacts of these contaminants. Under one of these agreements, the Air Force reimburses the District for the purchase of additional imported water to replace the water that Well No. 59 would have produced. Under the second of these agreements, the Air Force reimburses the District for expenses related to constructing a wellhead treatment facility to remove PFAS to levels that are within the limits of the EPA's health advisory. The District expects to execute a third agreement with the Air Force under which the Air Force will reimburse the District for the operating costs associated with the wellhead treatment facility for a designated number of years once such facility is constructed.

⁽⁵⁾ Reflects actual Fiscal Year 2019 groundwater extractions. Excludes adjustments for in-lieu water purchased from MWD instead of being extracted from groundwater wells. Also excludes adjustments for groundwater extracted from District wells but delivered to other agencies.

Source: Eastern Municipal Water District.

The District's wells are considered to be deep-well production wells ranging in depth from 100 feet to 1,696 feet. Pumping levels for production range from 100 feet to 516 feet. The active production wells have a combined production capability of 17,100 gallons per minute, which equates to approximately 75.6 acre feet per day. The District has conducted studies to determine the safe yield of the groundwater sub-basins serving these wells. The development and production of future wells will depend on the safe yield of the groundwater

sub-basins. See the caption “—Groundwater Supplies—Soboba Settlement Agreement” for a discussion of certain groundwater recharge activities of the District.

Pipelines. The District’s potable water distribution system consists of approximately 2,200 miles of pipeline ranging in diameter from 4 inches to 60 inches.

Pressure Zones. Because elevations within the District vary from approximately 1,120 to approximately 3,160 feet, the District’s water distribution system includes 73 pressure zones which provide water service at acceptable minimum and maximum pressures. The District attempts to maintain zone pressures between 40 and 90 pounds per square inch.

Each pressure zone requires pumping plants or other sources of supply for providing water at the desired pressure. Most pressure zones also have storage facilities for providing water during peak demand and under emergency and fire flow conditions.

Storage Facilities. The District’s water system includes 79 active water storage facilities located throughout the District. These facilities provide approximately 203 million gallons of storage. The active reservoirs are ground level circular steel tanks; in addition, there are six small hydro-pneumatic booster tanks and three small well blending tanks, ranging in size from 0.08 million gallons to 8.4 million gallons. The ground level reservoirs are situated at elevations high enough to provide water by gravity flow. The reservoirs are used to store water for fluctuating hourly demands (regulating storage), fire flow demands and emergency purposes. Given these considerations, it is the District’s intent to manage water storage efficiently by use of a telemetry system. The District’s storage facilities maintain an approximately 2.3 day supply of water.

Pumping Plants. The District is required to pump almost its entire supply of water because of the elevations of MWD’s filtration plants relative to the District’s service area. Two pressure zones in Murrieta Hot Springs can be supplied by gravity from MWD’s Robert A. Skinner Treatment Plant (the “**Skinner Plant**”).

The District currently has three major pumping plants which are essential in the supply of MWD water. The most significant, the Mills Pumping Plant, delivers approximately 38% of the total supply on a maximum demand day. The combined capacity of the District’s three pumping plants is 86 million gallons per day (“**mgd**”); however, system conditions limit the pumping plants’ capacity to 80 mgd under maximum operating conditions (one mgd equals approximately 3 acre feet per day). In addition, there are currently 82 potable and 6 raw water pumping stations in operation.

Menifee/Perris Desalters. The District operates two brackish groundwater desalination plants located adjacent to each other. These plants use reverse osmosis to treat a combined plant capacity of 7 mgd. Plant production is blended with excess well production to provide a total potable supply of 9 mgd to the water system. The desalters are fed by 15 brackish (i.e., non-domestic) water wells pumping from the South Perris groundwater sub-basin. As described under the caption “—Groundwater Supplies—Brackish Groundwater Desalination,” the District is currently constructing an additional well to expand its desalination system.

Perris Water Filtration Plant (“PWFP”). PWFP is a 24 mgd membrane filtration plant. Supply to PWFP comes from the EM-4A/B and the EM-22 MWD raw water connections. EM-4A/B supplies a mix of State Water Project water and Colorado River water and has a capacity of 80 cubic feet per second. EM-22 primarily supplies State Water Project water and has a capacity of 40 cubic feet per second.

Hemet Water Filtration Plant (“HWFP”). HWFP is a 12 mgd membrane filtration plant. Supply to HWFP comes from the EM-14 MWD connection. EM-14 supplies State Water Project water and has a capacity of 47 cubic feet per second.

Connections to MWD Facilities

Colorado River water is transported from Lake Havasu through the Colorado River Aqueduct to the terminus at Lake Matthews in Riverside County. State Water Project water is delivered to MWD through the 444-mile California Aqueduct to the Lake Perris terminus in Riverside County. Short of the Lake Perris terminus, MWD takes water from the Santa Ana Valley Feeder into its Henry J. Mills Treatment Plant (the “MWD Mills Plant”).

The District has access to MWD imported water through three active potable water connections and four active raw water connections with MWD facilities. The connections are capable of flows of approximately 100 mgd from the MWD Mills Plant, 24 mgd of Colorado River water from the District’s Perris Water Filtration Plant, 97 mgd from the Skinner Plant and 30 mgd of untreated State Water Project water in the Hemet/San Jacinto area. The 30 mgd connection is the supply for the District’s 12 mgd HWFP.

Three major connections connect the District to supplies from the MWD Mills Plant and the Skinner Plant. The connection at the MWD Mills Plant is the District’s primary source of filtered water. Due to the elevation of the MWD Mills Plant, water must be pumped into the District’s system. The MWD Mills Plant can deliver up to 100 mgd to the District under maximum operating conditions. District facilities are only capable of pumping approximately 80 mgd into the transmission-distribution system via the District’s Mills Pumping Plant. In addition, the District obtains a blend of filtered State Water Project water and Colorado River water from the Skinner Plant through a connection at Auld Road and Leon Road. The Skinner Plant can deliver up to 97 mgd under maximum operating conditions. However, existing District facilities can deliver only 87 mgd into the transmission-distribution system. Of the 87 mgd that the District can deliver, only 42 mgd can be transmitted to the northern three-fourths of the District’s service area. See the caption “—The Metropolitan Water District of Southern California.”

MWD Supplies

As discussed above, approximately 49% of District’s water supply (including approximately 75% of its potable water supply) is imported from MWD. In Fiscal Year 2019, MWD supplied the District with approximately 64,743 acre feet of water. MWD member agencies, which use MWD water to supplement their own local water supplies, can be expected to increase their purchases of MWD water if their local water supplies are reduced. MWD reports that it had approximately 2.98 million acre feet of water in storage as of January 1, 2019, compared to approximately 3.08 million acre feet, 1.96 million acre feet, 1.55 million acre feet, 1.84 million acre feet of water in storage as of January 1, 2018, January 1, 2017, January 1, 2016 and January 1, 2015, respectively.

MWD faces various challenges in the continued supply of imported water to the District. A description of these challenges as well as a variety of other operating information with respect to MWD is included in certain disclosure documents prepared by MWD. MWD periodically prepares official statements and other disclosure documents in connection with its bonds and other obligations. MWD has also entered into certain continuing disclosure agreements pursuant to which MWD is contractually obligated for the benefit of owners of certain of its outstanding obligations to file certain annual reports, notices of certain enumerated events as defined under Rule 15c2-12 promulgated under the Securities Exchange Act of 1934, as amended (“**Rule 15c2-12**”) and annual audited financial statements (together with MWD’s official statements and other disclosure documents, the “**MWD Information**”) with the Municipal Securities Rulemaking Board’s Electronic Municipal Market Access System for municipal securities disclosures, maintained on the Internet at <http://emma.msrb.org/> (“**EMMA**”). The MWD Information is not incorporated herein by reference thereto, and the District makes no representation as to the accuracy or completeness of such information. **MWD HAS NOT ENTERED INTO ANY CONTRACTUAL COMMITMENT WITH THE DISTRICT, THE TRUSTEE OR THE OWNERS OF THE 2020A BONDS TO PROVIDE MWD INFORMATION TO THE DISTRICT, THE TRUSTEE OR THE OWNERS OF THE 2020A BONDS.**

MWD HAS NOT REVIEWED THIS OFFICIAL STATEMENT AND HAS MADE NO REPRESENTATIONS OR WARRANTIES WITH RESPECT TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED OR INCORPORATED HEREIN, INCLUDING INFORMATION WITH REGARD TO MWD. MWD IS NOT CONTRACTUALLY OBLIGATED, AND HAS NOT UNDERTAKEN, TO UPDATE SUCH MWD INFORMATION, FOR THE BENEFIT OF THE DISTRICT OR THE OWNERS OF THE 2020A BONDS UNDER RULE 15c2-12.

Water Supply Reliability

State Orders. On January 17, 2014, after several years of below-average precipitation, the California Governor declared a drought state of emergency (the “**Declaration**”) with immediate effect. The Declaration encouraged local urban water suppliers, including the District, to implement their local water shortage contingency plans (each, a “**WSCP**”); the District’s plan is discussed under the caption “—District Response to Water Shortages.” The Declaration also required DWR and the SWRCB to craft and enforce numerous emergency regulations that were designed to reduce water usage and increase water supplies.

On April 7, 2017, after significant improvement in water supply conditions across California, the Governor issued Executive Order B-40-17, which rescinded mandatory conservation measures for most California counties (including Riverside County).

District Response to Water Shortages. The District has made substantial investments in local projects and believes that it is able to balance its local and imported water supplies to meet wholesale and retail demands, even during prolonged drought conditions. During the most recent Statewide drought (as described under the caption “—State Orders,” the District demonstrated that it had more than sufficient supplies to meet its demands, and could have met projected demands even if California endured three more years of drought.

In accordance with California Water Code § 10632 requirements, the District is responsible for conserving the available water supply, protecting the integrity of water supply facilities and implementing a contingency plan in times of drought, supply reductions, failure of water distribution systems or emergencies. The District adopted its WSCP to regulate the delivery and consumption of water use during water shortages.

Under the District’s WSCP, the District responds to a drought in stages in concert with regional water planning groups and neighboring water service providers. Implementation of the WSCP begins with the General Manager’s declaration of a potable water shortage emergency applicable to all customers, followed by public notice of such declaration. The first WSCP stage (Supply Watch) calls for voluntary 10% reductions in water use. The second WSCP stage (Supply Alert) calls for voluntary reductions in water use of up to 25% and reducing yard irrigation by one day per week, repairing leaks or water line breaks promptly, ending refills of artificial lakes and not using potable water to wash vehicles. The third WSCP stage includes Stage 3A (Mandatory Waste Reduction), which eliminates water use variances to fill swimming pools, establishes new landscaping requirements and requires water leaks to be fixed within 48 hours, Stage 3B, which decreases Tier 3 water budgets by up to 50% and Stage 3C, which decreases Tier 3 water budgets up to 100%. The fourth WSCP Stage (Mandatory Outdoor Reduction) limits yard irrigation to one day per week (two days per week in summer months) and decreases Tier 2 water budgets by up to 10% (Stage 4A), up to 50% (Stage 4B) and then up to 100% (Stage 4C). The fifth WSCP stage (Mandatory Indoor Reduction) decreases Tier 1 water budgets by 10%, 30% and then 50%.

In addition, for all stages, penalties are levied for violations of the Water Conservation provisions of the District’s Administrative Code. The District’s tiered rate structure is discussed under the caption “HISTORICAL FINANCIAL OPERATIONS—Operating Revenues—Water Rates and Charges.”

During Fiscal Years 2016 and 2017, in response to the most recent drought and State-mandated water use reductions, the District implemented various stages of the WSCP, ranging from Stage 3C to 4C. At Stages

3C and above, water use in excess of the allotted budget amounts are charged at the highest cost per hundred cubic feet of water.

The District is currently implementing the Stage 2 of its WSCP. As further described above, under Stage 2 (Supply Alert), the District encourages a voluntary 25% reduction in potable water use through ongoing enforcement of water use efficiency requirements.

The District estimates that the implementation of Stage 2 of the WSCP will not have a significant impact on most customers, but will continue to send a strong message to eliminate water waste. While implementation of the WSCP in future years may result in lower water sales revenues, it is also likely to result in lower operating costs, in particular water purchase costs and energy costs for water deliveries. Based on a rate study that was prepared in 2017, the District has recently revised its rate structure in order to more closely align the allocation of water costs with residential and non-residential water rates. See the caption “HISTORICAL FINANCIAL OPERATIONS—Operating Revenues—Water Rates and Charges.”

Although the District believes that its groundwater and imported water supplies are stable or improving given increased attention to groundwater management (as discussed under the caption “—Groundwater Supplies”) and storage of surface water, State regulations to date have not been revised to reflect such facts. The District does not believe that the implementation of Stage 2 of the WSCP will have a material adverse effect on its ability to generate sufficient Net Revenues to pay the Installment Payments when due. See the Official Statement under the caption “SECURITY FOR THE 2020A BONDS—Installment Payments Payable from Net Revenues.”

If a water shortage should arise, legal issues exist as to whether different California Water Code provisions should be invoked to require reasonable regulations for the allocation of water in time of shortage. Any curtailment that is accompanied by an increase in MWD water charges to its member agencies could necessitate an increase in the District’s water rates to District customers. See the caption “HISTORICAL FINANCIAL OPERATIONS—Certain Limitations on Taxes and Other Revenue Sources.”

State Long-Term Water Conservation Requirements. To improve water conservation and drought planning, the California Legislature adopted and the Governor signed Senate Bill 606 (Hertzberg) and Assembly Bill 1668 (Friedman) into law in 2018. This legislation lays out a new long-term water conservation framework for California and mandates that DWR and the SWRCB develop new standards for the following:

- Indoor residential water use
- Outdoor residential water use
- Commercial, industrial and institutional water use for landscape irrigation
- Water loss

The indoor water use standard has been defined as 55 gallons per person per day (“GPCD”) until January 2025; the standard will decrease over time to 50 GPCD in January 2030. Standards for outdoor residential water use, commercial, industrial and institutional water use for landscape irrigation are still being developed. Urban water suppliers will be required to stay within annual water budgets, based on these standards, for their service areas.

The District is already implementing residential water budgets based on the 55 GPCD standard, consistent with the efficiency standards set by the State as well as water for the irrigated area of homes based on a percentage of the evapotranspiration rate. The District also has a tiered rate structure that further promotes water use efficiency. The District’s tiered rate structure is discussed under the caption “HISTORICAL FINANCIAL OPERATIONS—Operating Revenues—Water Rates and Charges.” Due to the approach that the

District has taken to promote water use efficiency, and because the District is currently implementing provisions of its WSCP that prohibit wasteful water use, the District does not believe the implementation of the new conservation standards will have a significant effect on the District's ability to generate sufficient Net Revenues to pay the Installment Payments when due.

Groundwater Supplies

General. In Fiscal Year 2019, the District produced approximately 13% of its total domestic water supply from 11 wells located on the east side of the San Jacinto groundwater basin (the "**San Jacinto Basin**") and approximately 3% of its total domestic water supply from 3 wells located on the west side of the San Jacinto Basin. To maintain its production capacity, the District is also in the process of constructing three additional wells (Wells 37, 38 and 205) to replace three wells (Wells 14, 28 and 80, respectively) that were taken out of production in 2015, 2011 and 2016, respectively. In an effort to expand capacity on the east side of the San Jacinto Basin, the District has also constructed three additional wells (Wells 201, 202 and 203) as part of the San Jacinto Valley Enhanced Recharge and Recovery Program, which is discussed in detail under the subcaption "—Other Programs" below. The east side of the San Jacinto Basin also provides groundwater for the cities of Hemet and San Jacinto, LHMWD and private well owners; use by private well owners is primarily for agricultural irrigation. The District also produces approximately 10% of its total domestic supply from wells in the Perris South and Lakeview sub-basins that contain brackish water which must be desalinated prior to use.

In May 2016, Well No. 59 (Indian Avenue Well) was taken out of service due to exceedances of the EPA's Amended Provisional Health Advisory for PFAS. Well No. 59 is one of the four wells located on the west side of the San Jacinto Basin. Local regulators have advised the District to treat the new advisory levels as if they were regulatory limits. The District has been able to purchase additional imported water to replace the 1.5 mgd that had previously been drawn from Well No. 59. PFAS is used in the manufacturing of aqueous film forming foam, a substance that is used to fight fires. The source of PFAS was determined to be a fire fighting training site located on March Air Reserve Base in Moreno Valley. The United States Air Force, the designated responsible party, has entered into agreements with the District to fund water supply replacement and well treatment, as discussed in the following paragraphs.

On February 15, 2017 the District entered into an agreement entitled "Environmental Services Cooperative Agreement for Response Activities for Off-Base Wells with Perfluorinated Compounds" between the United States Air Force (the designated responsible party with respect to the PFAS) and the District. Through this agreement, the Air Force Civil Engineer Center will reimburse the District for the purchase of additional imported water to replace the water that Well No. 59 would have produced since May 20, 2016, when the well was shut down until the wellhead treatment is completed (December 2020).

On July 24, 2017, the District entered into a second agreement with the Air Force under which the Air Force will reimburse the District for expenses related to constructing wellhead treatment facilities at Well No. 59 to remove PFAS to levels that are within the limits of the EPA's health advisory.

The District expects to execute a third agreement in 2020 with the Air Force under which the Air Force will reimburse the District for the operating costs associated with the wellhead treatment facilities for a designated number of years once such facility is constructed.

Currently, the District is constructing wellhead treatment facilities at Well No. 59. Such facilities are anticipated to be completed by December 2020, after which time the District expects to bring Well No. 59 back online.

In February 2019, Well No. 56 (Perry Street Well) was taken out of service and inactivated with the SWRCB's Division of Drinking Water (the "**DDW**") due to exceedances of the State Notification Level for

PFAS. See the caption “—Quality of District Water—PFAS.” Treatment options are currently being considered for Well No. 56.

See the caption “—Quality of District Water—PFAS” for a discussion of recent State of California regulations related to PFAS.

The Watermaster. Groundwater uses by public agencies (the District, LHMWD and the cities of Hemet and San Jacinto) and certain private well owners on the east side of the San Jacinto Basin have been adjudicated pursuant to a stipulated judgment (the “**Judgment**”) dated April 18, 2013 in the matter of *Eastern Municipal Water District v. City of Hemet, et al.*, Superior Court of California, County of Riverside Case No. RIC 1207274. The Judgment contains a physical solution to meet the requirements of water users with rights in the groundwater sub-basins. Pursuant to the Judgment, a court-created watermaster (the “**Watermaster**”) has been appointed to administer adjudicated water rights of the parties that are subject to the Judgment and manage groundwater recharge and storage within the groundwater sub-basins. The Watermaster is governed by a 5-member board, to which the District appoints one representative. Each board member has equal voting rights.

When the Judgment was entered, the adjudicated portion of the San Jacinto Basin was estimated to be in a state of overdraft in the approximate amount of 10,000 acre feet per year; since that time, public agencies have reduced their pumping in accordance with the Judgment. Under the Judgment, the initial safe yield of the adjudicated portion of the San Jacinto Basin was estimated to be approximately 45,000 acre feet per year. A groundwater model of the San Jacinto Basin that was prepared in conjunction with the Watermaster in 2016 confirmed that the long-term safe yield of the basin is approximately 45,000 acre feet per year.

To achieve a reduction of groundwater production to this level, an Adjusted Base Production Right (the “**ABPR**”) was established for each of the participating public agencies that are subject to the Judgment. The ABPR quantity was reduced by 10% in the first year following the Judgment, with subsequent reductions of 7% per year required for the following five years in order to reduce groundwater production to a sustainable level. For the period from May 2017 through the present, the District’s ABPR is 7,303 acre feet. Further reductions in the District’s ABPR are not anticipated at this time.

In addition to the District’s ABPR, the District has access to groundwater that it recharged into the adjudicated portion of the San Jacinto Basin prior to 2012. Such supplies are supplemented by water that has been recharged under the Settlement Act (as described under the caption “—Soboba Settlement Agreement”), which on a long-term basis provides up to approximately 2,500 acre feet per year of groundwater to the District (depending on the amount of groundwater pumped by the Soboba Tribe).

The District’s groundwater production right will be increased to the extent that land used for agricultural purposes by certain private producers (for which such private producers currently pump groundwater) is converted to developments that receive their water service from the District.

The Watermaster is entitled to levy upon the agencies that are subject to the Judgment: (i) an administrative assessment (\$40 per acre foot for calendar year 2020) on groundwater pumped up to the parties’ respective ABPR amounts, which will be used to cover administrative costs of the Watermaster; and (ii) a replenishment assessment for groundwater pumped by the parties in excess of their respective base production amounts, which will be used to purchase water for groundwater recharge. The Watermaster is currently evaluating the costs of purchasing water for groundwater recharge in consultation with the District and other agencies subject to the Judgment. Accordingly, the amount of such replenishment assessment has not yet been determined.

The District’s groundwater programs include the following elements:

Groundwater Management Activities. The non-adjudicated portion of the San Jacinto Basin (primarily located on west side of such basin) is managed pursuant to a groundwater management plan that was

developed pursuant to Assembly Bill 3030 (the “**AB 3030 Groundwater Management Plan**”). The District adopted the AB 3030 Groundwater Management Plan in 1995 to implement regional strategies for the protection and management of local groundwater resources on the west side of the San Jacinto Basin. Elements of the AB 3030 Groundwater Management Plan include: (i) the establishment of a groundwater basin manager (the District) and an advisory committee that consists of cities, water municipalities and private groundwater producers that overlay the west San Jacinto Basin; (ii) monitoring of groundwater production and quality; (iii) a well abandonment and destruction program; (iv) artificial recharge of imported water, recycled water and water resulting from water harvesting; (v) recovery of degraded groundwater for blending with imported water; and (vi) recovery of brackish groundwater using demineralization treatment technologies.

The District prepares an annual report to document AB 3030 Groundwater Management Plan implementation and activities, including an analysis of the previous year’s groundwater monitoring data, a summary of groundwater-related changes from previous years, updates on the activities of the various management zones and goals and recommendations for the following year. All costs associated with the implementation of the AB 3030 Groundwater Management Plan are borne by the District.

The SGMA (as described under the subcaption “—Sustainable Groundwater Management Act” below) requires the preparation and implementation of a Groundwater Sustainability Plan (each, a “**GSP**”) for non-adjudicated high or medium priority basins. The San Jacinto Basin has been designated as a high priority basin and the District is currently developing a GSP for the non-adjudicated portion of the San Jacinto Basin. Until the GSP is approved by DWR, the existing AB 3030 Groundwater Management Plan will remain in effect for the non-adjudicated portion of the San Jacinto Basin. In addition, annual reporting will also continue until development of the GSP is completed and implemented (by the January 31, 2022 deadline).

The District is developing additional local groundwater supplies within the cities of Moreno Valley and Perris (in the Perris North sub-basin) to reduce reliance on imported MWD water and provide a more reliable water supply for the District. In 2019, the District applied for and was preliminarily awarded grant funding from the State Water Resources Control Board’s (SWRCB) Proposition 1 Groundwater Grant Program for the District’s Perris North Basin Groundwater Contamination Prevention and Remediation Program (the “**Perris North Program**”). The grant award of \$36 million (with a \$9 million additional funding request currently pending) constitutes approximately 50% of the estimated \$90 million project costs for the Perris North Program. The Perris North Program is expected to generate an additional groundwater supply of up to 6,750 acre feet per year while also removing contaminants from the basin that currently threaten existing drinking water wells. This multi-benefit program will not only provide a new water supply source for the District but also protect existing groundwater supplies for current and future consumers. The anticipated completion of construction for the Perris North Program is February 2023.

Brackish Groundwater Desalination. The District has constructed two desalters with a combined annual capacity of 9,600 acre feet (or approximately 8 mgd). See the caption “—District Water Facilities—Menifee/Perris Desalters.” A third desalter, called the Perris II Desalter, is currently under construction and is anticipated to be completed in March 2021. The addition of the Perris II Desalter will expand the desalination program capacity to 15,000 acre feet per year (or approximately 13.4 mgd). The Perris II Desalter’s total cost is expected to be approximately \$50 million. The District applied for and received SWRCB Proposition 1 Groundwater Grant Program funding of \$22.5 million to fund approximately 50% of the total project cost. The District also received a \$1 million grant to provide partial funding for a new well (Well No. 93), which will feed the desalination system. Well No. 93 was placed into service in June 2016. The District is conducting research and investigating the feasibility of reducing waste brine volume to increase potable water recovery at its desalination plants as well as reduce brine disposal costs. The District also received a separate \$1 million grant from the State of California for partial funding of one additional desalter well (Well No. 94). The United States Army Corps of Engineers (“**USACE**”) budgeted \$2,500,000, \$3,600,000, \$750,000, and \$4,007,000 in federal fiscal years 2014-15, 2015-16, 2016-17 and 2017-18, respectively, for a total of \$10,857,000 to provide partial funding for three of the four new desalter wells (Well Nos. 94, 95 and 96). Well Nos. 95 (13th/Reservoir Well)

and 96 (Santa Rosa Well) were drilled, tested and equipped in 2017 and placed into service in 2018. Well No. 94 (12th/Reservoir Well) was drilled, tested and equipped in 2018 and 2019 and placed into service in 2019.

Soboba Settlement Agreement. In 2008, the President of the United States signed the Soboba Settlement Act (the “**Settlement Act**”) to settle a lawsuit filed by the Soboba Band of Luiseño Indians (the “**Soboba Band**”) against MWD, LHMWD and the District. The lawsuit alleged that the construction of the San Jacinto Tunnel and Lake Hemet by MWD and LHMWD, respectively, had adversely affected the Soboba Band’s water rights. Recharge of imported raw water was identified in the Judgment as the physical solution (as described above under the caption “—Watermaster”). The Settlement Act approved the physical solution and requires the District to contract with MWD for an annual supply of at least 7,500 acre feet of imported raw water to be recharged into the San Jacinto Upper Pressure and/or the Canyon Sub-basins of the San Jacinto Basin and to construct facilities to enable such recharge. The Phase I recharge facilities consist of the Integrated Recharge and Recovery Program (“**IRRP**”) ponds that are located within the San Jacinto Upper Pressure Sub-basin and the Grant Avenue Ponds that are located within the Canyon Sub-basin. The District, together with LHMWD, the cities of Hemet and San Jacinto and local groundwater producers, carries out the activities that comprise the physical solution at these recharge facilities. The first year of recharge under the Judgment occurred in 2012. As part of the physical solution, groundwater pumping by the District can be limited in certain years when necessary to safeguard the sustainability of the groundwater basin. The District’s total share of facilities construction costs and cash settlement payments under the Settlement Act was approximately \$8.9 million, or approximately 33.7% of the \$26.6 million total paid by all parties. This figure does not include the District’s 33.7% share of the annual costs associated with the recharge of at least 7,500 acre feet of water for future years. Such costs are not included in projected Operating Expenses set forth in Table 20 under the caption “PROJECTED OPERATING RESULTS” because water purchased for recharge pursuant to the Settlement Act is not sold to District customers and is treated as an asset (water inventory) that is available to the District so long as groundwater levels available to the Soboba Band meet the requirements of the Settlement Act. See Note 10 in Appendix B for a more detailed description of the District’s accounting treatment of the costs of water purchased for recharge pursuant to the Settlement Act.

Recycled Water. Approximately 34% of the District’s water supply consists of recycled water. In Fiscal Year 2019, the District produced approximately 46,858 acre feet of recycled water. Recycled water is utilized year round. However, in winter months, the excess recycled water can be used to augment natural recharge and increase groundwater basin yield. The District has entered into a cooperative agreement with USACE with respect to the San Jacinto River Ecosystem Restoration Feasibility Study to evaluate and determine the feasibility of restoring the river ecosystem and the use of different water supply sources, including recycled water for ecosystem restoration in conjunction with groundwater recharge. In 2018, the District completed a preliminary design report and strategic plan identifying Purified Water Replenishment (through advanced treatment and groundwater recharge) as a key future strategy for achieving 100% year-round utilization of available recycled water supplies. The District is currently undertaking the regulatory approval process for the Purified Water Replacement project. An environmental impact report (as discussed under the caption “THE CAPITAL IMPROVEMENT PLAN—Environmental Considerations”) is in progress, groundwater modeling is complete and a California Code of Regulations Title 22 engineering report is in progress.

Sustainable Groundwater Management Act. On September 16, 2014, the State Governor signed Assembly Bill No. 1739 and Senate Bill Nos. 1168 and 1319 (collectively, the Sustainable Groundwater Management Act, or “**SGMA**”) into law. The SGMA constitutes a legislative effort to regulate groundwater on a Statewide basis. Under the SGMA, DWR designated groundwater basins in the State as high, medium, low or very low priority for purposes of groundwater management. Local groundwater producers were required to establish or designate an entity (referred to as a groundwater sustainability agency, or “**GSA**”), subject to DWR’s approval, to manage each high and medium priority groundwater basin. Each GSA is tasked with submitting a GSP for DWR’s approval by January 31, 2022. Alternatively, groundwater producers were required to submit a groundwater management plan under Part 2.75 of the California Water Code or an analysis

for DWR's review demonstrating that a groundwater basin has operated within its sustainable yield for at least 10 years by January 31, 2017, with updates every five years thereafter.

GSAs must consider the interests of all groundwater users in the basin and may require registration of groundwater users, the installation of flow meters to measure groundwater extractions and annual reporting of extractions up to an amount specified in the GSP. In addition, GSAs are authorized to impose spacing requirements on new wells, monitor, regulate and limit or condition groundwater production and establish production allocations among groundwater producers, among other powers. GSAs are authorized to impose fees to fund such activities and to fine or issue cease and desist orders against producers that violate the GSA's regulations. GSPs must include sustainability goals and a plan to implement such goals within 20 years.

The San Jacinto Basin has been designated as a high priority groundwater basin by DWR under the SGMA. Certain portions of the San Jacinto Basin (primarily on the east side thereof) have been adjudicated pursuant to the Judgment (as discussed the caption "—The Watermaster"), and as such are specifically exempt from the SGMA based on a legal interpretation provided by the SWRCB. Small areas to the northeast and south of the San Jacinto Basin also fall under separate adjudications (Western-San Bernardino Watermaster and Santa Margarita River Watershed Watermaster, respectively). The District is not pursuing the formation of a GSA for the area managed by the Watermaster.

After consultation with other agencies, the District submitted a notification to DWR seeking to become the GSA for the unadjudicated west side of the San Jacinto Basin. Following a 90-day public review period (which expired on April 24, 2017), DWR recognized the District as the GSA for the unadjudicated west side of the San Jacinto basin. The District does not currently expect its groundwater extraction rights or costs in the west side of the San Jacinto Basin to change significantly as a result of the enactment of the SGMA because the District is already sustainably managing such areas as part of the AB 3030 Groundwater Management Plan that is discussed under the caption "—Groundwater Management Activities," as required by the SGMA. The AB 3030 Groundwater Management Plan will remain in effect until a GSP is approved by DWR for the unadjudicated west side of the San Jacinto Basin. The District initiated the development of the San Jacinto Basin GSP in February 2019 and is expected to submit the GSP before the January 31, 2022 deadline. The District has applied for and is recommended for award of grant funding from DWR's Proposition 68 Sustainable Groundwater Management Grant Program-Round 3 funding, with no additional conditions, in the amount of \$1,166,500, the full requested amount to prepare a GSP and purchase additional groundwater monitoring equipment. The funding match that the District will provide is approximately 28%, or \$467,400, for a total estimated project cost of \$1,633,900. The District believes that the GSP that it is developing in accordance with the SGMA will not have a significant fiscal impact, nor is it expected to have a material impact on the District's groundwater supply from such areas.

The District intends to request DWR approval of the San Jacinto Basin GSP for such areas by January 31, 2022 in accordance with the SGMA, although there can be no assurance as to the timing or substantive provisions of the final approved plan. All of the District's groundwater wells are currently metered, as required by the SGMA.

The District does not currently expect the enactment of the SGMA or the appointment of the District as a GSA with respect to the west side of the San Jacinto Basin to have a material adverse effect on the District's ability to generate sufficient Net Revenues to pay the Installment Payments.

Other Programs. The District is in various stages of design and construction for the development of a water bank with a storage capacity of up to 136,000 acre feet in the San Jacinto Basin as well as other groundwater basins in the Santa Ana Watershed. The project, known as the San Jacinto Valley Enhanced Recharge and Recovery Program (the "SJV ERRP"), calls for importing untreated water from MWD and water purchased from other agencies. Such water would be recharged into the east side of the San Jacinto Basin from properties that are currently owned by the District. See the subcaption "—The Watermaster" above.

As currently proposed, some of the recharged water will be used for conjunctive use in the same or the following year and some will be banked for future use during drought or water supply emergencies. The District believes that depositing water into the San Jacinto Basin for future use will reduce treatment costs for such water. Under the SJV ERRP, three wells are being constructed (Wells Nos. 201, 202 and 203). Such wells are scheduled to be completed in 2020, with up to eight wells to be constructed later, in order to extract banked water. The estimated annual average capacity of the three initial SJV ERRP wells is approximately 1,400 gallons per minute, or approximately 2,300 acre feet per year. Related recharge facilities within a 39-acre site, which are projected to have a capacity of up to 67,000 acre feet per year, monitoring wells and water conveyance facilities are currently under construction. The cost for the first phase of the SJV ERRP is estimated to be approximately \$45.6 million.

The District was awarded Proposition 84 grant funding by DWR's Integrated Regional Water Management Program for the first phase of the SJV ERRP (referred to as the Santa Ana River Conservation and Conjunctive Use Program, or "SARCCUP"). The District has not yet determined other financing sources for the SJV ERRP. An environmental impact report was completed in February 2019 for SJV ERRP. See the caption "THE CAPITAL IMPROVEMENT PLAN—Environmental Considerations." SARCCUP is expected to be completed by December 2023, in accordance with the grant funding schedule. The District will contribute \$32.6 million toward the program, with the remaining \$13.1 million cost expected to be met through grant funding.

Quality of District Water

General. The District receives treated water from MWD which, to the District's knowledge, meets all current requirements of the federal Safe Drinking Water Act and regulations of the DDW. Water quality has varied based on the available water, which is dependent upon climate. For example, prior to 2017, California was in an extended period of drought, resulting in greater quantities of Colorado River water being supplied to the District. The increased level of snowpack and precipitation in 2017, resulted in the availability of a larger allocation of State Water Project water, thereby reducing MWD and District dependence of Colorado River water. A year later, in 2018, the Sierra Nevada snowpack and local precipitation (which represent the sources of State Water Project water) were below average, causing a decrease in the amount of State Water Project water available. In 2019, the State's rainfall was above average which allowed State Water Project water to be available.

The District has 28 sources of water. Due to enhanced science and technology, it is not uncommon to detect measurable trace contaminants in raw groundwater or surface water. Groundwater in the San Jacinto Basin is safe and of high and reliable quality; the District's domestic wells in such basin meet all federal and State of California regulations. The District's wells in the Hemet and Perris groundwater sub-basins supply a reliable water source and utilize treatment processes, such as blending or reverse osmosis, to produce high quality potable water that meets all federal and State of California standards. In addition to the District's wells, two surface water treatment plants use the latest ultrafiltration technology to treat raw imported water. See the caption "—District Water Facilities."

PFAS. In 2019, the DDW lowered the Notification Levels (the "NLs") for Perfluorooctanoic acid ("PFOA") and Perfluorooctanesulfonic acid ("PFOS") to 5.1 and 6.5 parts per trillion ("PPT"), respectively. NLs are non-regulatory, precautionary health-based measures for concentrations of chemicals in drinking water that warrant notification and further monitoring and assessment. In 2020, the DDW lowered the Response Levels (the "RLs") for PFOA and PFOS from 70 PPT, combined, to 10 to 40 PPT, respectively. RLs are non-regulatory, precautionary health-based measures that are set at higher levels than NLs and represent thresholds at which the DDW recommends that water systems remove a water source from use or treat it.

PFOA and PFOS are fluorinated organic chemicals which are part of the family of synthetic compounds referred to as PFAS (an abbreviation of the term "per- and polyfluoroalkyl substances"). PFAS are water and lipid resistant substances that are useful for a variety of manufacturing processes and industrial

applications. The District understands that recent technological advances have enabled water agencies to detect PFAS compounds at very low concentrations.

Testing undertaken by the District has shown that PFAS is not present in the District’s water supplies in quantities above the State’s NLs and RLs or the EPA Action Level. The District continues to abide by orders issued by the DDW. As part of the State’s Investigative Order, the District has monitored and reported specific wells. Testing of Well Nos. 17, 26, 34 and 36 in the eastern area of the District did not detect any PFAS. Testing in desalter wells (Well Nos. 87, 93 and 95) detected PFAS. However, the water supplied from the District’s desalination facilities (which is supplied by the desalter wells) showed PFAS results below the State’s NL. The District notes that certain of its water treatment facilities utilize a reverse osmosis process, which removes salts and PFAS. See the caption “—District Water Facilities—Menifee/Perris Desalters.”

The District does not anticipate that implementation of the lowered PFAS RLs by the DDW will have a material adverse effect on the District’s ability to pay the Installment Payments, which secure the 2020A Bonds. However, the District notes that the EPA is exploring whether to impose a Maximum Contaminant Level (a legal threshold on the amount that is permitted to be present in drinking water) on PFOA and PFOS and that the DDW is exploring whether to regulate PFAS other than PFOA and PFOS and/or blowoffs from wells that are being treated for PFAS contamination, among other measures. The imposition of additional regulations related to PFAS could require changes to and additional costs associated with the District’s groundwater production operations. There can be no assurance as to the timing and ultimate composition of any such additional regulations. Accordingly, the projected operating results which are set forth under the caption “PROJECTED OPERATING RESULTS” do not assume significant increases in water treatment costs to meet State regulations relating to PFAS in the current or next four Fiscal Years.

See the caption “—Groundwater Supplies—General” for a discussion of an amended EPA advisory notice related to PFAS and the State’s lowered NL which caused the District to shut down Well Nos. 59 and 56.

Water Production

The term “water production” describes the quantity of water that the District obtains from all sources to meet its consumers’ needs. These sources include the District’s wells, desalination plants, District purchases from MWD and recycled water. It also includes losses incurred between the source and the ultimate use by the consumer. These losses may result from pipeline breaks, leakage, evaporation from operating reservoirs and metering discrepancies. Water production of the District for the last five Fiscal Years is shown in the following table:

**TABLE 7
EASTERN MUNICIPAL WATER DISTRICT
Water Production in Acre Feet**

<i>Fiscal Year</i>	<i>Domestic Retail</i>	<i>Wholesale</i>	<i>Agriculture</i>	<i>Recycled Water</i>	<i>Total Production</i>
2015	81,407	3,306	4,647	46,366	135,725
2016 ⁽¹⁾	68,302	2,807	6,861	44,901	122,871
2017	76,700	4,358	6,101	46,346	133,505
2018	81,208	4,311	5,537	47,685	138,741
2019	73,792	4,252	6,000	46,858	130,902

⁽¹⁾ Decrease reflects effect of Statewide drought and the District’s response thereto. See the caption “—Water Supply Reliability.” See Table 18 under the caption “HISTORICAL FINANCIAL OPERATIONS—Operating Revenues” for historic water sales revenue information for such Fiscal Years.

Source: Eastern Municipal Water District.

The table below sets forth the estimated annual amount of water per active account consumed for domestic purposes in the District’s service area for the last five Fiscal Years. The water needed to satisfy these domestic consumption levels was furnished by the District.

TABLE 8
EASTERN MUNICIPAL WATER DISTRICT
Domestic Water Use Within District’s Service Area

<i>Fiscal Year</i>	<i>Use (acre feet)⁽¹⁾⁽²⁾</i>	<i>Billed Accounts</i>	<i>Average Acre Feet Per Account</i>
2015	76,832	144,255	0.53
2016	63,673	146,225	0.44
2017	68,613	148,473	0.46
2018	77,020	150,674	0.51
2019	66,803	153,378	0.44

⁽¹⁾ Differences from the “Domestic Retail” water production figures set forth in Table 7 reflect water loss and use of water for internal District purposes.

⁽²⁾ Excludes wholesale sales of domestic water.

Source: Eastern Municipal Water District.

Water deliveries by the District for the last five Fiscal Years are shown in the table below. The District’s water deliveries are equal to the District’s water production less losses experienced in delivering such water to the consumer.

TABLE 9
EASTERN MUNICIPAL WATER DISTRICT
Water Deliveries in Acre Feet

<i>Fiscal Year</i>	<i>Domestic Retail</i>	<i>Wholesale</i>	<i>Agriculture</i>	<i>Recycled Water⁽¹⁾</i>	<i>Total Sales</i>
2015	76,832	3,082	4,446	35,617	119,977
2016 ⁽²⁾	63,673	2,641	6,403	32,037	104,754
2017	68,813	3,667	5,987	29,872	108,339
2018	77,020	4,089	5,251	36,185	122,545
2019 ⁽³⁾	66,803	3,849	5,432	25,811	101,895

⁽¹⁾ Differences from the “Recycled Water” production figures set forth in Table 7 reflect water loss as well as discharges of recycled water into local waterways during periods of heavy precipitation in accordance with the District’s discharge permits and recharge into groundwater basins. See the caption “WASTEWATER AND RECYCLED WATER FACILITIES AND USAGE—District Recycled Water Supply” and “WASTEWATER AND RECYCLED WATER FACILITIES AND USAGE—Regulatory Matters.” The District has undertaken capital improvements that it expects to enhance its ability to store recycled water during periods of heavy precipitation and sell it during periods of high demand, and has entered into the Alessandro Ponds Contract to finance one such project. See the captions “THE DISTRICT—Debt Structure of the District—Subordinate State Contracts” and “THE CAPITAL IMPROVEMENT PLAN—Financing of Capital Improvement Plan.”

⁽²⁾ Decrease reflects effect of Statewide drought and the District’s response thereto. See the caption “—Water Supply Reliability.” See Table 18 under the caption “HISTORICAL FINANCIAL OPERATIONS—Operating Revenues” for historic water sales revenue information for such Fiscal Years.

⁽³⁾ Decrease reflects above average precipitation in such Fiscal Year.

Source: Eastern Municipal Water District.

Water Sales and Deliveries

The District’s ten largest water system customers (including both retail and wholesale customers) accounted for approximately 8.54% of the District’s total water sales revenues in Fiscal Year 2019. These figures do not include recycled water users or agricultural customers.

For Fiscal Year 2019, the District had 153,263 domestic active billing accounts and 115 active agricultural/irrigation and other accounts. However, the number of billing accounts does not represent the actual number of District customers because one billing account can encompass multiple users or a multiple number of sites served. For example, one apartment complex can equal one billing account; in addition, if one developer owns two or more apartment complexes, the billing for all such complexes may be aggregated into a single billing account charged to that developer. A similar result may be obtained with respect to irrigation billing accounts. See the caption “DISTRICT SERVICE AREA” for historic water connections of the District.

The District also provides wholesale water service to the cities of Hemet, Perris and San Jacinto, Western Municipal Water District, LHMWD, Nuevo Mutual Water Company and DWR. In Fiscal Years 2017, 2018 and 2019 wholesale water sales totaled approximately 3,667 acre feet, 4,089 acre feet and 3,849 acre feet, respectively.

The following table sets forth the District’s ten largest domestic water customers by water sales revenues as of June 30, 2019.

TABLE 10
EASTERN MUNICIPAL WATER DISTRICT
Largest Domestic Water Customers as of June 30, 2019⁽¹⁾

<i>Customer Name</i>	<i>Sales in Acre Feet</i>	<i>Annual Revenues</i>
1. City of Perris ⁽²⁾	1,693	\$ 2,179,479
2. Western Municipal Water District ⁽²⁾⁽³⁾	1,744	2,169,308
3. City of Moreno Valley	734	1,297,194
4. Valley-Wide Recreation and Park District	663	1,129,465
5. New Highland Meadows	667	907,095
6. Moreno Valley Unified School District	548	741,417
7. County of Riverside	513	735,991
8. City of Murrieta	364	656,968
9. Val Verde Unified School District	428	636,616
10. Country Meadows II Association	<u>302</u>	<u>468,240</u>
Total	7,656	\$ 10,921,773
Total Fiscal Year 2019 domestic water sales	70,652	\$ 127,831,378
Top 10 customers as a percentage of total	10.83%	8.54%

⁽¹⁾ Data includes wholesale and retail potable water sales to all non-agricultural customers. Numbers are rounded.

⁽²⁾ Wholesale customer.

⁽³⁾ Sales relate to customers of Murrieta County Water District, which was purchased by Western Municipal Water District.

Source: Eastern Municipal Water District.

WASTEWATER AND RECYCLED WATER FACILITIES AND USAGE

Wastewater Facilities

The District is currently divided into four sewer service areas—Hemet/San Jacinto, Moreno Valley, Temecula Valley and Perris Valley—for purposes of collection, transmission, treatment and disposal of wastewater. Each service area is served by a single regional water reclamation facility (each, an “RWRP”), for which costs and methods of treatment vary. The facilities are capable of treating approximately 74 mgd of wastewater and serve approximately 839,226 people. The facilities are linked to a network of nearly 2,200 miles of pipeline and 50 active lift stations. See the caption “DISTRICT SERVICE AREA” for historic wastewater connections of the District.

The reliable capacity, flow and average percentage of daily flows of each RWRf for Fiscal Year 2019 are provided below. See the caption “THE CAPITAL IMPROVEMENT PLAN” for a discussion of the District’s Capital Improvement Plan.

TABLE 11
EASTERN MUNICIPAL WATER DISTRICT
Regional Water Reclamation Facilities

<i>RWRf</i>	<i>Reliable Capacity (mgd)⁽¹⁾</i>	<i>Fiscal Year 2019 Daily Average Flow Treated (mgd)</i>	<i>Daily Average Flow as Percentage of Capacity</i>
Moreno Valley ⁽²⁾	15.0	10.2	68%
Perris Valley ⁽³⁾	22.0	13.3	60
San Jacinto Valley ⁽⁴⁾	14.0	6.9 ⁽⁶⁾	49
Temecula Valley ⁽⁵⁾	<u>23.0</u>	<u>14.1</u>	<u>61</u>
Total	69.0	44.5	64

(1) Reliable capacity is the capacity that is determined by the District to be appropriate under normal operating conditions, based on the RWRf’s operating systems and filtration processes, to comply with State of California regulatory and operational constraints. See the caption “—Regulatory Matters.”

(2) Expansion to 16 mgd permitted capacity was completed in 2013. Reliable capacity is estimated at 15 mgd. See footnote (1).

(3) Expansion to 25 mgd permitted capacity was completed in 2014. Reliable capacity is estimated at 22 mgd. See footnote (1). Perris Plant 1, which provides approximately 3 mgd of capacity, is currently out of service.

(4) Expansion to 14 mgd permitted capacity was completed in 2015. See the caption “THE DISTRICT—Debt Structure of the District—Subordinate State Contracts.”

(5) Expansion to 23 mgd permitted capacity was completed in 2019.

(6) Amount excludes 2.8 mgd diverted to Perris Valley RWRf and included in Perris Valley RWRf flow amount.

Source: Eastern Municipal Water District.

Wastewater Facility Usage

Wastewater enters the District’s facilities from three sources: (1) wastewater which is discharged from residences (e.g., houses and apartments); (2) wastewater which is discharged by businesses similar to residential discharge (e.g., office buildings, retail outlets and warehouses); and (3) wastewater which is discharged by users that may add contaminants or pollutants to the wastewater (e.g. restaurants, x-ray and photo processors, carwashes, vehicle repair facilities, dry cleaners and other industrial businesses).

The use of the sewer facilities is monitored by the District’s Source Control Division (the “**Division**”). The Division is responsible for enforcing the District’s Sewer Use Ordinance, which requires all dischargers to meet State of California and federal requirements for contaminants and pollutants. By monitoring discharges and enforcing pretreatment requirements, the Division regulates the wastewater entering District facilities to a quality suitable for all reclamation uses and ensures that the biosolids regulations are satisfied.

The Division also regulates and inspects over 1,600 other accounts which are authorized to discharge wastewater and administers residential pollution prevention activities to protect District sewer facilities and RWRfs.

Residential users who are not connected to the sewer system are provided service through the liquid waste hauler program, through which septic haulers can dispose of material in an economical manner at the Sanderson Lift Station in the Hemet/San Jacinto area or at the Perris Valley RWRf. These septic haulers are regulated through permits issued by the Division.

The Division also regulates dischargers to the nonreclaimable waste line collection system owned by the District. These dischargers are regulated through permits issued by the Division.

The District’s ten largest sewer system customers accounted for approximately 3.58% of the District’s total sewer service revenues in Fiscal Year 2019. The following table sets forth the District’s ten largest sewer system customers by sewer service revenues as of June 30, 2019.

TABLE 12
EASTERN MUNICIPAL WATER DISTRICT
Largest Sewer Customers as of June 30, 2019

<i>Customer Name</i>	<i>Annual Revenues</i>
1. New Highland Meadows	\$ 964,442
2. Pechanga Resort and Casino	865,614
3. Iris Landing Homeowners Association	377,832
4. Murrieta Valley Unified School District	277,428
5. Colfin AI-CA 4 LLC	244,412
6. Val Verde Unified School District	228,413
7. Hemet Unified School District	198,451
8. Stonegate at Towngate	196,889
9. Westwind Enterprises	151,305
10. Casabella Owner’s Association	<u>150,233</u>
Total	\$ 3,655,019
Total Fiscal Year 2019 sewer revenue	\$102,037,610
Top 10 customers as a percentage of total	3.58%

Source: Eastern Municipal Water District.

District Recycled Water Supply

The policy of the District is to promote the use of recycled water to provide for the conservation and reuse of all water resources and to utilize this resource for any approved purpose to the maximum extent possible under the laws of the State of California.

The District currently generates approximately 44 mgd of effluent at its four active RWRFs. In Fiscal Year 2019, approximately 87% (or approximately 40,750 acre feet) of the recycled water produced was beneficially used within the District’s service area. Unsold recycled water is typically transferred to storage ponds and utilized to meet peak demands or is used for incidental groundwater recharge; a small amount is also lost to evaporation. In accordance with its discharge permits, the District also discharges recycled water into local waterways during periods of heavy precipitation. Recycled water customers include 68 active agricultural sites, 4 golf courses, 434 landscape irrigation sites, 4 recreational clubs, 1 wildlife area, 1 power generation facility, 6 wholesale connections and 16 temporary construction meters. In Fiscal Year 2019, sales of recycled water in the District totaled \$7,034,622.

Recycled Water Facilities and Application of Recycled Water

In addition to the four RWRFs, the District’s recycled water facilities include approximately 220 miles of transmission and distribution pipelines, 24 pumping facilities and approximately 7,570 acre feet of storage and percolation ponds. All four of the District’s RWRFs provide tertiary recycled water. See footnote (5) to Table 11 under the caption “—Wastewater Facilities” for a discussion of the completed expansion of the tertiary treatment capacity of the Temecula Valley RWRF.

The District has identified significant potential recycled water markets within proximity of existing District RWRFs and facilities. The types of markets identified include agricultural uses, golf courses, wetlands, cemeteries, commercial and industrial landscaping, park and school turf and purchasers of cooling water for power generation.

Regulatory Matters

As discussed above, the District owns and currently operates four RWRFs, a series of storage ponds, pump stations and distribution systems in its service area. The District's recycled water reuse program includes irrigation of agricultural, commercial and municipal landscaping sites and an environmental site in the San Jacinto Wildlife Area for migratory bird flyway ponds. The San Jacinto Valley RWRf, the Moreno Valley RWRf and the Perris Valley RWRf are located in the San Jacinto River basin within the jurisdiction of the Santa Ana Regional Water Quality Control Board (the "**Santa Ana RWQCB**"). The Temecula Valley RWRf is located within the jurisdiction of the San Diego Regional Water Quality Control Board (the "**San Diego RWQCB**"); however, the Temecula Valley RWRf is regulated by the Santa Ana RWQCB for the production of recycled water, as the majority of the effluent from the Temecula Valley RWRf is used in the San Jacinto River basin.

On March 5, 2020, the San Diego RWQCB issued Order No. 2020-0010 rescinding the Temecula Valley RWRf Permit Order No. R9-2000-165. Additionally, on March 4, 2020, the San Diego RWQCB issued a Notice of Applicability for Enrollment in Order WQ 2016-0068-DDW for recycled water use in the San Diego region. The Santa Ana RWQCB continues to regulate the Temecula Valley RWRf's production of recycled water.

On March 14, 2014, the Santa Ana RWQCB adopted Order No. R8-2014-0016 amending Order No. R8-2008-0008 (collectively, the "**Santa Ana RWQCB Permit**") authorizing the District to discharge or reuse recycled water from the RWRfs. The amendment incorporates revised local limits and the associated, revised Sewer Use Ordinance, and updates the salinity water quality objectives to reflect the District's Maximum Benefit basin plan amendment. The Santa Ana RWQCB Permit allows for the reuse of recycled water for non-potable water purposes in the San Jacinto River watershed. The Santa Ana RWQCB Permit does not have an expiration date; however, revision may be needed when there are system or regulatory changes.

In addition, on September 18, 2015, the Santa Ana RWQCB and the State of California issued Order No. R8-2015-0006 and NPDES Permit No. CA8000188, respectively (collectively, the "**NPDES Permit**"), authorizing the District to discharge effluent from the Perris Valley, Moreno Valley, San Jacinto Valley and Temecula Valley RWRfs and from Rancho California Water District's Santa Rosa RWRf to Temescal Creek in Riverside County. Temescal Creek is a tributary of Reach 3 of the Santa Ana River. The NPDES Permit has a 5-year term and the District expects to begin the process of renewing the NPDES Permit in 2020.

On May 2, 2006, the SWRCB issued General Waste Discharge Requirements for Sanitary Sewer Systems, Water Quality Order No. 2006-0003 (the "**General Order**") requiring public agencies that own sanitary sewer systems comprised of more than one mile of pipes or sewer lines to develop sanitary sewer management plans and report all sanitary sewer overflows. The District is currently enrolled under the General Order and has a certified sanitary sewer management plan.

The District is implementing a salinity and nutrient management plan (an "**SNMP**") for the San Jacinto River basin. The District is also implementing an SNMP for the Upper Santa Margarita River basin together with Rancho California Water District and Elsinore Valley Municipal Water District. In addition, the District has completed an SNMP for the Upper Temescal Valley Watershed together with Elsinore Valley Municipal Water District to support the NPDES Permit described above. This SNMP was presented to the Santa Ana RWQCB and approved in 2017. Currently, the District and Elsinore Valley Municipal Water District are jointly monitoring surface water and groundwater and updating the SNMP.

On February 19, 1993, the EPA issued a final rule for the use and disposal of biosolids (Code of Federal Regulations Title 40, Part 503) ("the "**Biosolids Rule**"). The Biosolids Rule requires that producers of biosolids meet certain reporting, handling and disposal requirements. Compliance with the biosolids disposal requirements of the Biosolids Rule is required under the Santa Ana RWQCB Permit.

Approximately 49,405 wet tons of biosolids were produced from the District's RWRFs in 2019 and reported to the EPA, the State of California and the State of Arizona. All RWRFs have belt press and centrifuge driers for sludge dewatering. The Temecula Valley and Moreno Valley RWRFs also have rotary drum sludge thickeners. Biosolids are the solid, stabilized organic materials generated from the wastewater treatment processes. The District's biosolids are currently hauled daily by a contractor to Arizona primarily for land application.

THE CAPITAL IMPROVEMENT PLAN

Background

The District's five-year Capital Improvement Plan (the "CIP") defines facility improvements to meet water, recycled water and wastewater demands associated with growth in addition to those projects necessary to maintain or replace existing facilities as they age.

The District has also developed a Capital Plan. The Capital Plan is the District's long term planning document that contains all of the water, wastewater collection, treatment system and recycled water capital improvements that are needed to support the buildout of existing jurisdictional General Plans throughout the District's service area. The Capital Plan relies on Facility Master Plans for each of these systems to identify the improvements needed, establish when they will be needed and provide updated estimates of their costs. The funding needed to support the District's short and long term expansion of these systems is then summarized in the Capital Plan. In fall 2016, the District completed a Facility Master Plan and Capital Plan using updated growth projections that take into account conservation policy and current land use data. The Facility Master Plan and Capital Plan become the documents from which the District develops its CIP. The CIP spans five years (in contrast to the long-term Capital Plan, which covers a period through buildout of various portions of the District's service area) and identifies proposed projects from the Facility Master Plans that are currently required, adds projects where necessary and defers projects when appropriate. The CIP schedules the necessary construction by project year and the financing necessary to meet this schedule.

The projects on the CIP are tracked during the current year and the entire five year program is reviewed and revised on an annual basis. During the annual review, projects are added, deferred or deleted based on current growth projections and any newly identified requirements are prioritized into the respective future years.

See the caption "WATER RESOURCES, FACILITIES AND USAGE—Groundwater Supplies—Other Programs" for a discussion of the SJV ERRP, which, if constructed as currently contemplated, would increase the District's groundwater supplies.

Financing of Capital Improvement Plan

The District expects to spend a total of approximately \$71 million in Fiscal Year 2020 on water, wastewater, recycled water and general capital improvement projects. The District anticipates that it will pay the costs of such projects from previously issued Subordinate Obligations and previously executed State Contracts as described in Table 14 below. The five-year CIP for the current and next four Fiscal Years is estimated to total approximately \$398 million, as summarized in the table below. All estimates include planning, design, construction, engineering, administration and right-of-way acquisition costs.

TABLE 13
EASTERN MUNICIPAL WATER DISTRICT
Capital Improvement Plan Capital Requirements (Dollars in Millions)⁽¹⁾

<i>Fiscal Year</i>	<i>Water</i>	<i>Wastewater</i>	<i>Recycled/Other</i>	<i>Annual Total</i>
2020	\$ 38	\$ 21	\$12	\$ 71
2021	51	24	9	84
2022	59	32	6	97
2023	42	31	6	79
2024	<u>43</u>	<u>21</u>	<u>3</u>	<u>67</u>
Total	\$233	\$129	\$36	\$398

⁽¹⁾ Totals may not add due to rounding.
Source: Eastern Municipal Water District.

The funds required to finance the CIP will be provided from a number of different sources. The estimated funds and their sources for the current and next four Fiscal Years are set forth in the following table. A portion of the District’s capital requirements will be met by external funds provided from the proceeds of executed State Contracts, anticipated additional State Contracts, previously issued Subordinate Obligations and grants from public agencies.

TABLE 14
EASTERN MUNICIPAL WATER DISTRICT
Capital Improvement Plan Financing Sources (Dollars in Millions)⁽¹⁾

<i>Fiscal Year</i>	<i>District Pay-As-You-Go⁽²⁾</i>	<i>Subordinate Obligations and Approved and Additional State Contracts⁽³⁾</i>	<i>Annual Total</i>
2020	\$ -	\$ 71	\$71
2021	10	74	84
2022	97	-	97
2023	79	-	79
2024	<u>67</u>	<u>-</u>	<u>67</u>
Total	\$253	\$145	\$398

⁽¹⁾ Totals may not add due to rounding.

⁽²⁾ Includes grants.

⁽³⁾ Includes application of a portion of the proceeds of previously issued District bonds and executed State Contracts in Fiscal Year 2020, as well as application of the Alessandro Ponds Contract. See the caption “THE DISTRICT—Debt Structure of the District.”

Source: Eastern Municipal Water District.

Environmental Considerations

Projects undertaken by the District, including, without limitation, those undertaken in the CIP, are generally subject to the California Environmental Quality Act, Sections 21000-21178.1 of the California Public Resources Code, as amended (“CEQA”). Certain projects involving the participation of the Bureau of Reclamation, Department of the Interior or other federal agencies may also be subject to the National Environmental Policy Act of 1969, 42 United States Code § 4321 *et seq.*, as amended (“NEPA”).

Under CEQA, a project which is to be carried out or approved by a public agency must comply with a comprehensive environmental review process, which begins with an Initial Study that determines the level of environmental review based on the expected effects of the project on the environment. The project may require the preparation of an Environmental Impact Report (“EIR”), which is the highest level of review. The EIR

reflects not only an independent technical analysis of the project's potential impacts, but also the comments of responsible agencies with jurisdiction over the project and the comments of interested members of the public. Contents of the EIR include: a detailed statement of the project's significant environmental effects; any such effects which cannot be avoided if the project is implemented; mitigation measures proposed to minimize such effects; alternatives to the proposed project; the relationship between local and short-term uses and long-term productivity; any significant irreversible environmental changes which would result from the project; the project's growth-inducing impacts; and a brief statement setting forth the agency's reasons for determining that certain effects are not significant and hence do not require discussion in the EIR. If the lead agency determines that the project itself will not have a significant effect on the environment, it may adopt a written negative declaration or mitigated negative declaration, reflecting a lower level of environmental review resulting from less than significant effects through mitigation. Once the agency approves or determines to carry out a project, either following the EIR process or after adopting a negative declaration or mitigated negative declaration, it must file notice of such determination with the clerk of the county in which the project is located. Any action or proceeding challenging the agency's determination must be declared in writing to the lead agency within 30 days following the filing of such notice. See the caption "WASTEWATER AND RECYCLED WATER FACILITIES AND USAGE—Regulatory Matters" above for a discussion of the District's compliance with regulations related to its RWRFs.

HISTORICAL FINANCIAL OPERATIONS

Operating Revenues

Collection Procedures. Water and sewer rates are established by the Board and are not subject to regulation by the California Public Utilities Commission or by any other local, State of California or federal agency. The District bills monthly utilizing a meter reading and billing system for both water and sewer service. Payments are due upon receipt and become delinquent 15 calendar days after the billing date. When a bill for service has become past due and a discontinuance of service notice for nonpayment has been issued, service may be discontinued if the bill is not paid within the time required by such notice.

As part of the District's response to the COVID-19 outbreak which is discussed in the Official Statement under the caption "COVID-19 OUTBREAK," the District has suspended service shutoffs through the end of April 2020 and will not seek to collect late fees or penalties. Although no service charges are being forgiven, the District expects its accounts receivable amount to increase as a result of the foregoing policy.

General. Water and sewer charges have been determined by the California Supreme Court to be fees or charges for purposes of Proposition 218. As a result, new or increased water and sewer rates are subject to majority protest proceedings and cannot exceed the cost of providing service. For a summary description of the provisions and potential effect of Proposition 218 on the District, see the caption "—Certain Limitations on Taxes and Other Revenue Sources."

Under the Master Resolution, the District is required to fix rates which are: (i) reasonably fair and nondiscriminatory; (ii) at least sufficient for the payment of all amounts to be payable from Net Water and Sewer Revenues in each Fiscal Year; and (iii) at least equal to: (1) 115% of Debt Service on all Parity Obligations plus the amount required to be deposited to the Operating Reserve Fund; and (2) 110% of Debt Service on all Parity Obligations and Subordinate Obligations plus the amount required to be deposited to the Operating Reserve Fund.

Under the 2020A IPA, to the fullest extent permitted by law, the District will fix and prescribe, at the commencement of each Fiscal Year, rates and charges for the Water and Sewer Service which are reasonably expected, at the commencement of such Fiscal Year, to be at least sufficient to yield during such Fiscal Year Net Revenues (defined as Net Water and Sewer Revenues less all payments due on Parity Obligations) equal to 115% of the Debt Service on all Subordinate Obligations for such Fiscal Year. The District may make adjustments from time to time in such rates and charges and may make such classification thereof as it deems

necessary, but shall not reduce the rates and charges then in effect unless the Net Revenues from such reduced rates and charges will at all times be sufficient to meet the foregoing requirements.

See the Official Statement under the caption “SECURITY FOR THE 2020A BONDS—Rate Covenant.”

The District’s wholesale and retail water rates and monthly sewer service charges are the District’s most easily adjusted source of revenue and the Board has historically adjusted such rates as necessary to pay for operations and capital needs not met by other revenue sources.

The projected operating results set forth under the caption “PROJECTED OPERATING RESULTS” reflect the District’s updated rate allocation model (as discussed under the caption “—Water Rates and Charges” below), as well as increases in water and sewer rates averaging approximately 3.8% and 4.0%, respectively, as of January 1, 2021. All of such projected rate increases are subject to Board approval and the notice, hearing and protest provisions of Proposition 218 and there can be no assurance that such rate increases will be adopted as projected. See the caption “—Certain Limitations on Taxes and Other Revenue Sources—Articles XIII C and XIII D of the California Constitution.”

Water Rates and Charges. The District implemented a water budget-based tiered rate structure in April 2009. This structure was intended to reward water use efficiency and discourage water waste. The tiered rate structure was also intended to promote: (i) fairness; (ii) conservation; and (iii) revenue stability. On March 15, 2017, the Board approved a Cost of Service Rate Methodology (the “Rate Study”) which evaluated the cost of providing water service, including Maintenance and Operation Costs, to more closely align the allocation of water costs with residential and non-residential water rates.

On June 19, 2017, the Board adopted the District’s biennial budget for Fiscal Years 2018 and 2019, which updated the District’s rate allocation model to reflect the findings of the Rate Study. The updated tiered rate structure, which is effective as of January 1, 2018, is based on water budgets that apply to all single-family, multi-family and landscape accounts utilizing the domestic water system.

Tiers within the water budget are calculated to encourage efficient indoor and outdoor use as follows:

- (i) The indoor water budget is based on the gallons of water needed per person per day.
- (ii) The outdoor budget is based on a square footage of landscape, actual daily evapotranspiration and the following conservation factors:

<i>Account Installation Date</i>	<i>Residential Conservation Factor</i>	<i>Non-Residential Conservation Factor</i>
Prior to 12/31/2010	0.8	0.7
1/1/2011 – 5/31/2015	0.7	0.7
On or after 6/1/2015	0.5	0.5

Source: Eastern Municipal Water District.

The conservation factor can be adjusted up to 1.0 for functional areas at the discretion of the District. The conservation factor can also be adjusted temporarily by the District to establish or maintain water efficient landscaping during a drought.

- (iii) Residential customers have a Tier 1 and Tier 2 rate applied to in-budget water use. Nonresidential customers have only a Tier 1 rate applied to in-budget water use.

(iv) An Excessive rate (Tier 3 for residential customers and Tier 2 for non-residential customers) is applied to a percentage of water use beyond the indoor and outdoor budgets.

(v) A Wasteful Rate (Tier 4 residential customers and Tier 3 for non-residential customers) is applied to wasteful water use that exceeds the Excessive Use tier.

Under the District's rate methodology, water budgets do not align with a specific rate; instead the amount of water billed at each tier is based on the availability of specific water supply sources, which include groundwater, treated groundwater and more expensive imported supplies. All residential customers are billed at the Tier 1 rate for the first 20% of their monthly water budget, as that is the proportional amount of local, lowest-cost supplies available. The remaining portion of the water budget will be billed at the Tier 2 rate for budgeted supplies. Tier 3 and 4 rates cover any usage in excess of the total budget.

Since 2009, average water consumption per household has dropped as a result of the District's current and prior tiered rate structures. The current tiers were developed taking into account the various sources of supply and the incremental cost of using each source to supply the needed demand. The District's least expensive source of supply is groundwater and its most expensive source of supply is the desalters that are described under the caption "WATER RESOURCES, FACILITIES AND USAGE—District Water Facilities—Menifee/Perris Desalters."

In addition to the above-described water commodity charges based upon usage, the District imposes a daily service charge to cover a portion of the water system's fixed operating costs. The charge is \$0.44 as of January 1, 2020.

The Board also adopted an additional service charge (the "**Water Reliability Capital Charge**") on June 18, 2014. The Water Reliability Capital Charge is \$3.95 per month per household as of January 1, 2020. The Water Reliability Capital Charge is intended to collect funds either to pay for water reliability projects and facilities on a pay-as-you-go basis or to repay debt obligations entered into to finance such projects. The District has not determined at this time whether or in what amount it would enter into debt obligations to finance such projects, nor has it considered whether any such debt would be payable from Net Water and Sewer Revenues on a senior basis to or on parity with the Installment Payments. The projected operating results set forth under the caption "PROJECTED OPERATING RESULTS" reflect the imposition of the Water Reliability Capital Charge as described above.

The District's current water commodity charges are set forth below. Such charges were approved by the Board on June 19, 2019 and were effective January 1, 2020:

TABLE 15
EASTERN MUNICIPAL WATER DISTRICT
Current Water Rates⁽¹⁾

Current Rates Effective
January 1, 2020

<i>Residential</i>	
Tier 1	\$ 1.10
Tier 2	3.53
Tier 3 (Excessive Use)	5.84
Tier 4 (Wasteful Use)	11.94
<i>Non-Residential⁽²⁾</i>	
Tier 1	\$ 3.66
Tier 2 (Excessive Use)	7.43
Tier 3 (Wasteful Use)	12.38

⁽¹⁾ Tiered rates are charged per 100 cubic feet (“CCF”). Tier 1 reflects usage of up to 3.6 CCF and Tier 1 reflects usage of between 3.6 CCF and 14.4 CCF.

⁽²⁾ Applicable to landscape accounts only. Excludes commercial, industrial and institutional accounts.

Source: Eastern Municipal Water District.

See the Official Statement under the caption “LITIGATION—District—Water Rate Litigation” for a discussion of litigation filed against the District challenging the District’s water rates under Proposition 218.

Sewer Rates and Charges. Sewer rates set forth in the table below were approved by the Board on June 19, 2019 and were effective January 1, 2020. Sewer rates are based on daily service charges that vary by geographic location within the District’s service area. Currently, sewer daily service charges range from \$0.93 to \$1.27 per day, subject to the application of the sewer block factors outlined below.

Residential customers are assigned to one of four sewer blocks, determined by the number of people per household. Households with one to two people fall into Block 1 and those with seven or more residents fall into Block 4. Larger households have a higher block factor based on the assumption that they have higher sewer flows because they do more laundry and dishes, take more showers, etc. and, as a result, are charged a higher sewer rate. Sewer service billing is calculated using the block factor multiplied by the sewer rate.

Effective January 1, 2018 the Board adopted changes to the sewer blocks to reflect the current proportional demands on the wastewater system based on updated customer data. This is expected to result in cost savings despite a minimal increase in the sewer rates. The adopted block factors are as follows:

TABLE 16
EASTERN MUNICIPAL WATER DISTRICT
Sewer Rate Structure

<i>Block Number</i>	<i>Block Factor</i>	<i>Number of People in Household</i>
1	0.60	1 – 2 people
2	1.00	3 – 4 people
3	1.25	5 – 6 people
4	1.70	7 people or more

Source: Eastern Municipal Water District.

In addition to the above-described sewer rates based upon usage, the District imposes an additional sewer service charge (the “**Sewer Capital Charge**”) described in Table 17 below to cover a portion of the sewer system’s fixed operating costs. The current Sewer Capital Charge is \$2.75 per month per household. The Sewer Capital Charge is intended to collect funds either to pay for sewer capital projects and facilities on a pay-as-you-go basis or to repay debt obligations entered into to finance such projects. The District has not determined at this time whether or in what amount it would enter into debt obligations to finance such projects, nor has it considered whether any such debt would be payable from Net Water and Sewer Revenues on a senior basis to or on parity with the Installment Payments. The projected operating results set forth under the caption “PROJECTED OPERATING RESULTS” reflect the imposition of the Sewer Capital Charge as described above.

Summary of Rates and Charges. Although rates and water budgets vary throughout the District, the following water and sewer rates are representative of those in effect within the District:

TABLE 17
EASTERN MUNICIPAL WATER DISTRICT
Water and Sewer Rates

<i>Service Area</i>	<i>Water (Effective January 1, 2020)⁽¹⁾</i>				<i>Sewer (Effective January 1, 2020)</i>	
	<i>Tier 1</i>	<i>Tier 2</i>	<i>Fixed Charges⁽²⁾</i>	<i>Average Monthly Rate⁽³⁾</i>	<i>Fixed Charges⁽⁴⁾</i>	<i>Average Monthly Rate⁽⁵⁾</i>
Perris Valley	\$1.10	\$3.53	\$0.572	\$71.94	\$1.452	\$43.56
Menifee	1.10	3.53	0.572	71.94	1.152	34.56
Fruitvale	1.10	2.43	0.572	56.10	1.112	33.36
Diamond Valley	1.10	3.53	0.572	71.94	1.112	33.36
Moreno Valley	1.10	3.53	0.572	71.94	1.114	33.42
Temecula Valley	1.10	3.53	0.572	71.94	1.282	38.45

⁽¹⁾ See Table 15 under the caption “—Water Rates and Charges” for a schedule of water rates and the updated water budget structure that went into effect January 1, 2020.

⁽²⁾ Shown on a daily basis. Water Fixed Charges include a \$0.44 daily charge for water service and a \$0.132 per day Water Reliability Capital Charge (\$3.95 monthly).

⁽³⁾ For example, a water billing with a water budget of 1,800 cubic feet for a period of 30 days in the Perris Valley service area would be calculated as follows: 20% of usage at Tier 1 rate of \$1.10 for 3.6 CCF + 80% of usage at Tier 2 rate of \$3.53 for 14.4 CCF + \$0.572 in fixed charges per day X 30 days = \$71.94.

⁽⁴⁾ Shown on a daily basis. Sewer fixed charges include the \$0.0917 per day Sewer Capital Charge (\$2.75 monthly) for accounts for which sewer service is rendered through District facilities.

⁽⁵⁾ For example, a sewer billing for 30 days of sewer service in the Perris Valley service area would be calculated as follows: 30 days X \$1.36 per day + \$0.0917 per day = \$43.56.

Source: Eastern Municipal Water District.

The District’s Consolidated Schedule of Rates, Fees and Charges, which includes a fuller description of rates and charges levied by the District, is available on the District’s Internet website. None of the information therein is incorporated herein.

The following table provides a summary of the District’s gross revenues from water and sewer service and recycled water for the last five Fiscal Years.

TABLE 18
EASTERN MUNICIPAL WATER DISTRICT
Water Sales and Sewer Service Gross Revenues

<i>Fiscal Year</i>	<i>Water Sales</i>	<i>Sewer Service</i>	<i>Recycled Water</i>	<i>Total</i>
2015	\$117,295,152	\$ 77,120,505	\$6,392,763	\$200,808,420
2016	112,457,426	87,184,856	6,648,809	206,291,091
2017	120,870,937	92,536,116	7,792,169	221,199,222
2018	135,428,866	96,049,786	9,028,827	240,507,479
2019	132,847,172	102,037,610	7,034,622	241,919,404

Source: Eastern Municipal Water District.

Non-Operating Revenues

Standby (Availability) Charges. Under the Law, the District may levy and collect an annual water standby charge (also referred to as an availability charge), as well as an annual sewer service standby or availability charge, on land within the boundaries of the District to which water and sewer services, respectively, are made available by the District, whether or not the water or sewer service is actually used. Each such charge may not exceed \$10 per acre per year for each acre (or parcel less than an acre) within the District, except that it may be up to \$30 per acre per year for each such acre or parcel if any charge in excess of \$10 per acre or parcel is used for the purposes of the particular improvement district in which the acre or parcel is located. Standby charges are collected annually by Riverside County on the secured property tax roll and remitted by Riverside County to the District.

The Law requires that standby or availability charges be approved by ordinance, which is subject to referendum, after public notice and hearing on the proposed charge. The most recently approved standby charges were approved on July 3, 2019 and became effective immediately.

The District currently levies these charges on the land within 15 of its water special improvement districts, 16 of its sewer special improvement districts and 3 of its combined water and sewer special improvement districts. The District also levies a separate charge on land within the entire District. The charges for the various special improvement districts for Zone 1 (that is, areas where service is being made reasonably available, either directly by the District or indirectly by a city, another water district or a water company) vary from a \$1.00 to \$15.00 per acre annual water charge and a \$7.50 to \$15.00 per acre annual sewer charge. The District has established 61 separate special improvement districts, of which 32 are water special improvement districts, 23 are sewer special improvement districts and 6 are combined water and sewer special improvement districts.

The District may, under circumstances specified under the Law, utilize an alternative procedure for fixing water or sewer standby or availability charges which does not limit the amount of such charges. The District has not utilized such procedure to date.

Standby charges are classified as assessments by the terms of Proposition 218. For a summary description of the provisions and potential effect of Proposition 218 on the District, see the caption “—Certain Limitations on Taxes and Other Revenue Sources.”

Connection Fees. The District has statutory authority to fix and impose upon the customers of the District one-time water and sewer connection fees. In addition, the District has statutory authority to fix and

impose upon the customers of the District one-time water and sewer frontage charges. As of Fiscal Year 2014, the District no longer imposes such frontage charges.

Connection fees include water and sewer capacity charges and water and sewer back-up charges. Sewer fees are charged based on a per equivalent dwelling unit (“EDU”) basis and water fees are charged based on an equivalent meter size (“EMS”) basis. The current connection fee rates effective January 1, 2020 are \$5,801 for water and \$8,852 for sewer.

Although one-time connection fees constitute current Water and Sewer Revenues of the District, these amounts are retained by the District for application to its restricted construction fund in accordance with State of California law and utilized for expansion-related projects or used to pay debt service on expansion-related projects which have been financed. See the caption “HISTORICAL OPERATING RESULTS” for connection fee revenues for the last five Fiscal Years.

Taxes. Moneys that are received from the District’s share of the Riverside County 1% tax levy constitute Water and Sewer Revenues and are available, but are not required to be used, to pay Maintenance and Operation Costs of the Water and Sewer System. Only those special improvement districts that received tax revenue when Proposition 13 became effective in 1978 are entitled to receive a share of the 1% county general purpose property tax levy, based on the allocation procedure under California law. The District received approximately \$38,204,912 in property tax revenue from its share of the Riverside County 1% tax levy in Fiscal Year 2019.

The District is expressly empowered under the Law to levy taxes on all taxable property within its boundaries for the purpose of paying the bonded indebtedness of its special improvement districts and, subject to certain limitations in the Law, the California Revenue and Taxation Code and the California Constitution, for other District purposes. Assessed valuation is determined by the Riverside County Assessor. Total assessed valuation of taxable property within the District for Fiscal Year 2019 was approximately \$79 billion, which was an increase of approximately 8.25% from the previous year. The District currently levies taxes only to service bonds of its special improvement districts. The tax rate levied to service outstanding general obligation bonds of the special improvement districts varies among the special improvement districts within the District. The proceeds of such taxes do not constitute Water and Sewer Revenues and are neither pledged to nor available to pay the Installment Payments.

Riverside County has adopted the Alternative Method of Distribution of Tax Levies and Collections and of Tax Sale Proceeds (known as the Teeter Plan), as provided for in Section 4701 *et seq.* of the State Revenue and Taxation Code. Accordingly, the County Auditor-Controller distributes 100% of property tax revenues allocated to each city in Riverside County without regard to delinquencies in the payment of property taxes. As a result of the implementation of the Teeter Plan by Riverside County, Riverside County apportions secured property taxes and assessments on an accrual basis when due (irrespective of actual collections) to participating local political subdivisions for which Riverside County acts as the levying or collecting agency. The District does not participate in this plan. As a result, the District is subject to the risk of delinquencies in the amount of 1% *ad valorem* property taxes received by the District. Historically, however, the District’s receipt of penalties and interest from prior year delinquencies have more than offset current year delinquencies. See the Official Statement under the caption “COVID-19 OUTBREAK” for a discussion of potential effects on property tax collections as a result of the COVID-19 outbreak. Riverside County did not extend the April 10, 2020 property tax payment deadline as a result of the outbreak or waive penalties or fees for late payments.

Certain Limitations on Taxes and Other Revenue Sources

Article XIII A of the California Constitution. The taxing powers of California public agencies are limited by Article XIII A of the California Constitution, added by an initiative amendment approved by the voters on June 6, 1978, and commonly known as Proposition 13.

Article XIII A limits the maximum *ad valorem* tax on real property to 1% of “full cash value,” which is defined as “the County Assessor’s valuation of real property as shown on the fiscal year 1975-76 tax bill under ‘full cash value’ or, thereafter, the appraised value of real property when purchased, newly constructed, or a change in ownership has occurred after the 1975 assessment.” The full cash value may be adjusted annually to reflect inflation at a rate not to exceed 2% per year, a reduction in the consumer price index or comparable local data or declining property values caused by damage, destruction, or other factors.

The tax rate limitation referred to above does not apply to *ad valorem* taxes to pay the interest and redemption charges on any indebtedness approved by the voters before July 1, 1978, or on any bonded indebtedness for the acquisition or improvement of real property approved by two-thirds of the votes cast by the voters voting on the proposition.

Under the terms of Article XIII A and pursuant to an allocation system created by implementing legislation, each county is required to levy the maximum *ad valorem* tax permitted by Article XIII A and to distribute the proceeds to local agencies, including special districts such as the District. The allocation of property tax revenues among special districts, while subject to certain statutory procedures and criteria, is largely discretionary with each county.

Assessed valuation growth allowed under Article XIII A (new construction, change of ownership and 2% annual value growth) is allocated on the basis of situs among the jurisdictions that serve the tax rate area within which the growth occurs. Local agencies and schools share the growth of base revenues from the tax rate area. Each year’s growth allocation becomes part of each agency’s allocation in the following year.

The District normally receives between approximately 12 and 14% of its Water and Sewer Revenues (excluding connection fees) from the 1% property tax levy that Riverside County levies in accordance with Proposition 13. Prior legislation diverted approximately \$12.6 million of property tax revenues from the District for the benefit of school districts in each of 2005 and 2006.

It cannot be predicted if future legislation will be introduced to further reduce, or entirely eliminate, the percentage of the 1% Riverside County property tax levy paid to the District. In the opinion of District management, any such legislation would not have an adverse effect on its ability to make payments on the District’s debt and contractual obligations, as the District would be able to compensate for any lost revenues through a combination of rate increases, cost efficiencies and/or cash reserves.

Under California law, any fee which exceeds the reasonable cost of providing the service for which the fee is charged is a “special tax,” which under Article XIII A must be authorized by a two-thirds vote of the electorate. Accordingly, if a portion of the District’s water or wastewater user rates or connection fees were determined by a court to exceed the reasonable cost of providing service, the District would not be permitted to continue to collect that portion unless it were authorized to do so by a two-thirds majority of the votes cast in an election to authorize the collection of that portion of the rates or fees. The reasonable cost of providing water and wastewater services has been determined by the State Controller to include depreciation and allowance for the cost of capital improvements. In addition, the California courts have determined that fees such as connection fees are not special taxes if they approximate the reasonable cost of constructing the water and wastewater capital improvements contemplated by the local agency imposing the fee.

Proposition 22. From time to time legislation has been considered as part of the State budget to shift 1% *ad valorem* property tax revenues from special districts to school districts or other governmental entities. The State fiscal year 2004-05 and 2009-10 budgets reallocated portions of special districts’ shares of the countywide 1% *ad valorem* property tax, shifting a portion of the 1% *ad valorem* property tax revenues collected by the County from special districts to school districts.

On November 2, 2010, California voters approved Proposition 22, which: (i) prohibits the State of California from shifting or delaying the distribution of funds from special districts to schools and community

colleges; (ii) eliminates the authority to shift property taxes temporarily during a severe financial hardship of the State; and (iii) restricts the State's authority to use fuel tax revenues to pay debt service on transportation bonds, to borrow or change the distribution of fuel tax revenues or to use Vehicle License Fee revenues to reimburse local governments for state-mandated costs.

Despite the passage of Proposition 22, there can be no assurance that the 1% property tax revenues that the District currently expects to receive will not be temporarily shifted from the District or reduced pursuant to State legislation enacted in the future. If the property tax formula is permanently changed in the future, it could have a material adverse effect on the receipt of its share of 1% property tax revenues by the District.

Article XIII B of the California Constitution. Article XIII B of the California Constitution limits the annual appropriations of the State of California and of any city, county, school district, authority or other political subdivision of the State of California to the level of appropriations of the particular governmental entity for the prior fiscal year, as adjusted for changes in the cost of living and population. The "base year" for establishing such appropriation limit is the 1978-79 State of California fiscal year and the limit is to be adjusted annually to reflect changes in population and consumer prices. Adjustments in the appropriations limit of an entity may also be made if: (i) the financial responsibility for a service is transferred to another public entity or to a private entity; (ii) the financial source for the provision of services is transferred from taxes to other revenues; or (iii) the voters of the entity approve a change in the limit for a period of time not to exceed four years.

Appropriations that are subject to Article XIII B generally include the proceeds of taxes levied by or for the State of California or other entity of local government, exclusive of certain State of California subventions, refunds of taxes and benefit payments from retirement, unemployment, insurance and disability insurance funds. "Proceeds of taxes" include, but are not limited to, all tax revenues and the proceeds to an entity of government from: (a) regulatory licenses, user charges, and user fees (but only to the extent such proceeds exceed the cost reasonably borne by the entity in providing the service or regulation); and (b) the investment of tax revenues. Article XIII B includes a requirement that if an entity's revenues in any year exceed the amounts permitted to be spent, the excess would have to be returned by revising tax rates or fee schedules over the subsequent two years.

Certain expenditures are excluded from the appropriations limit, including payments of indebtedness existing or legally authorized as of January 1, 1979, or of bonded indebtedness thereafter approved by a vote of electors of the issuing entity and payments required to comply with court or federal mandates which without discretion require an expenditure for additional services or which unavoidably make the providing of existing services more costly.

Pending clarification of certain of its provisions by the courts, or by the California Legislature, the full impact of Article XIII B on the amounts and uses of moneys to be deposited in the Water and Sewer Revenue Fund is not clear. However, to the extent that moneys in the Water and Sewer Revenue Fund are used to pay the costs of maintaining and operating the Water and Sewer System and debt service on Parity Obligations (including the funding of the debt service reserve funds) and Subordinate Obligations, such moneys should not, under the terms of Article XIII B, as supplemented by legislation, and based upon the official ballot argument supporting the measure, be held to be subject to the appropriation limit. The District is of the opinion that its water and wastewater charges do not exceed the costs that it reasonably bears in providing such services and therefore are not subject to the limits of Article XIII B. The District has covenanted in the Master Resolution and the 2020A IPA that it will prescribe rates and charges that are sufficient to provide for payment of the Installment Payments and other Subordinate Obligations in each year. See the Official Statement under the caption "SECURITY FOR THE 2020A BONDS—Rate Covenant."

Articles XIII C and XIII D of the California Constitution. Proposition 218, a State of California ballot initiative known as the "Right to Vote on Taxes Act," was approved by California voters on November 5, 1996 and became effective November 6, 1996. Proposition 218 amends the California Constitution by adding

Articles XIII C and XIII D and contains a number of interrelated provisions limiting the ability of local governments, including the District, to impose and collect both existing and future taxes, assessments, fees and charges.

Article XIII D establishes procedural requirements for imposition of assessments, which are defined as any charge on real property for a special benefit conferred upon the real property. Standby charges are classified as assessments. The procedural requirements include written notice of assessments to the record owner of each parcel upon which such assessment is to be imposed, the conducting of a public hearing and an election by mailed ballot. The assessment may not be imposed if a majority of the ballots returned oppose the assessment, with each ballot weighted according to the proportional financial obligation of the affected parcel.

Existing, new or increased assessments are subject to the procedural provisions of Proposition 218. However, certain assessments existing on November 6, 1996 are classified as exempt from the procedures and approval process of Article XIII D. Expressly exempt assessments include: (i) an assessment imposed exclusively to finance capital costs or maintenance and operation expenses for sewers, water, flood control and drainage systems, but subsequent increases are subject to the procedures and approval requirements; (ii) an assessment imposed pursuant to a petition signed by all affected landowners (but subsequent increases are subject to the procedural and approval requirements); (iii) assessments, the proceeds of which are used exclusively to pay bonded indebtedness, where failure to pay would violate the federal Constitution's prohibition against the impairment of contracts; and (iv) any assessment which has previously received approval by a majority vote of the voters (but subsequent increases are subject to the procedural and approval requirements).

Water standby charges and wastewater availability charges are classified as assessments and must comply with the provisions of Proposition 218 pertaining to assessments. Standby or availability charges that are imposed exclusively to finance the capital costs or maintenance and operation expenses of water or wastewater services which were in effect on the effective date of Proposition 218 need not comply with the approval process applicable to assessments generally. However, future increases in said charges are subject to the protest-election procedures in Article XIII D.

It is the District's belief that its water standby charges and wastewater availability charges are existing assessments imposed to finance capital costs or maintenance and operation expenses for water or wastewater service and are therefore exempt from both the procedural and substantive provisions of Article XIII D because they were in existence on November 6, 1996 and have not been increased in a manner prohibited by Article XIII D. However, in interpreting Proposition 218, a court could conclude that although existing standby or availability charges are exempt from the procedural requirements, such charges must still comply with the substantive provisions of Article XIII D, including the requirement that the assessment on each parcel not exceed the reasonable cost of the proportional special benefit to that parcel.

As discussed under the caption "WATER RESOURCES, FACILITIES AND USAGE—The Metropolitan Water District of Southern California," MWD currently imposes a water standby or availability charge that is allocated among MWD's member agencies, including the District. The charge is currently being imposed on parcels within the District. It is the District's understanding that MWD believes that Article XIII D does not apply to MWD's imposition of this standby charge. In the event that a court having proper jurisdiction concluded to the contrary and/or MWD's standby charge is discontinued, the District might have to pay the charge from other revenue sources or attempt to adopt its own standby charge. The protest-election procedures of Proposition 218 may adversely impact the District's ability to continue to pay the charge through levies on parcels in the District. In that event, there can be no assurance that the Net Water and Sewer Revenues of the District would not be adversely affected.

Article XIII D provides that nothing in Proposition 218 will be construed to affect existing laws relating to the imposition of fees or charges as a condition of property development. Therefore, it is the

District's belief that Proposition 218 does not apply to connection fees and sewer frontage charges, although there can be no assurance that a court would not determine otherwise.

Article XIII D defines a "fee" or "charge" as any levy other than an *ad valorem* tax, special tax, or assessment imposed upon a parcel or upon a person as an incident of property ownership, including a user fee or charge for a property-related service. A "property-related service" is defined as "a public service having a direct relationship to a property ownership." Article XIII D further provides that reliance by an agency on any parcel map (including an assessor's parcel map) may be considered a significant factor in determining whether a fee or charge is imposed as an incident of property ownership.

An agency imposing or increasing a property-related fee or charge must provide notice thereof to the record owner of each identified parcel upon which such fee or charge is to be imposed and must conduct a public hearing. The proposed fee or charge may not be imposed or increased if a majority of owners of the identified parcels file written protests.

Article XIII D includes substantive provisions applicable to existing fees and charges, including provisions that: (i) revenues derived from the fee or charge may not exceed the funds required to provide the property-related service; (ii) such revenues may not be used for any purpose other than that for which the fee or charge was imposed; (iii) the amount of a fee or charge imposed upon any parcel or person as an incident of property ownership may not exceed the proportional cost of the service attributable to the parcel; (iv) no such fee or charge may be imposed for a service unless that service is actually used by, or immediately available to, the property owner; and (v) no fee or charge may be imposed for general governmental services including, but not limited to, police, fire, ambulance or library services, where the service is available to the public at large in substantially the same manner as it is to property owners. In any legal action construing the validity of a fee or charge, the burden is on the agency to demonstrate compliance with Article XIII D.

Article XIII C provides that the initiative power may not be prohibited or otherwise limited in matters of reducing or repealing any local tax, assessment, fee or charge and that the power of initiative to affect local taxes, assessments, fees and charges is applicable to all local governments. Article XIII C does not define the terms "local tax," "assessment," "fee" or "charge," so it was unclear whether the definitions set forth in Article XIII D referred to above are applicable to Article XIII C. Moreover, the provisions of Article XIII C are not expressly limited to local taxes, assessments, fees and charges imposed after November 6, 1996. On July 24, 2006, the California Supreme Court (the "**Court**") held in *Bighorn-Desert View Water Agency v. Verjil*, 39 Cal.4th 205 ("**Bighorn**") that fees for ongoing water service through an existing connection (metered water rates) were property-related fees and charges to which Article XIII C applies.

The Court also ruled in *Bighorn* that water rates are subject to reduction by voters using the initiative power authorized by Article XIII C. The Court held that such water service charges may, therefore, be reduced as repealed through a local voter initiative pursuant to Section 3 of Article XIII C. At the same time, however, the Court ruled that voters may not use the initiative process to require that they approve proposed new or increased rates in advance of adoption by the agency which, the Court said, is free to adopt "other fees or impose new fees without voter approval." The Court noted that "[a]lthough this power sharing arrangement has the potential for conflict, we must presume that both sides will act reasonably and in good faith and that the political process will eventually lead to compromises that are mutually acceptable and both financially and legally sound."

The Court specifically declined to determine in *Bighorn* whether the voters' initiative power is limited by the statutory requirement that service charges must be set at a level that will pay for operating and maintenance, repairs, replacements, and debt service because "[t]hat issue is not currently before us." In any event, the District and its general counsel do not believe that Article XIII C grants to the voters within the District the power to repeal or reduce rates and charges in a manner which would be inconsistent with the contractual obligations of the District. However, there can be no assurance of the availability of particular remedies adequate to protect the Beneficial Owners of the 2020A Bonds. Remedies available to Beneficial

Owners of the 2020A Bonds in the event of a default by the District are dependent upon judicial actions which are often subject to discretion and delay and could prove both expensive and time-consuming to obtain. In addition to the specific limitations on remedies contained in the applicable documents themselves, the rights and obligations with respect to the 2020A Bonds are subject to bankruptcy, insolvency, reorganization, moratorium, fraudulent conveyance and other similar laws affecting creditors' rights, to the application of equitable principles if equitable remedies are sought, and to the exercise of judicial discretion in appropriate cases and to limitations on legal remedies against public agencies in the State of California. The various opinions of counsel to be delivered with respect to the 2020A Bonds, including the opinion of Bond Counsel (the form of which is attached as Appendix D), are similarly qualified.

On November 15, 2018, the California Court of Appeal, Third District (the “**Third District**”), issued an opinion in *Wilde v. City of Dunsmuir* (2018) 29 Cal.App.5th 158 (the “**Wilde**”) holding that taxpayers have the right under Article XIII C to place a referendum on the ballot and vote on whether to repeal a city's water rates. *Wilde* concerned increases in water rates to fund specific water storage and delivery projects of the City of Dunsmuir (rather than to fund general operations of a water system) which the court concluded were legislative in nature and therefore subject to referendum. The District has reviewed the *Wilde* Case decision and determined that the decision does not directly impact the District and its water and sewer rate structure. The District notes that the Third District also in 2019 issued an opinion in *Howard Jarvis Taxpayers Association v. Amador Water Agency* (2019) 36 Cal.App.5th 279 holding that ratepayers cannot place a referendum on the ballot to vote on repeal of the agency's water rates. This split in opinion has been appealed to the State Supreme Court, where it is awaiting review.

Based on the foregoing, the District's ability to adopt new fees or charges or increase existing fees or charges for water or wastewater service will be subject to both majority protest prior to adoption and may be subject to the initiative process thereafter. For similar reasons, wholesale customers of the District (for example, the cities of Perris, Hemet and San Jacinto and water districts such as Western Municipal Water District) may be limited in their ability to raise sufficient revenues through fees and charges to pay for wholesale services, which could also have an adverse impact on the District's ability to generate Net Revenues sufficient to pay the Installment Payments.

On April 20, 2015, the California Court of Appeal, Fourth District, issued an opinion in *Capistrano Taxpayers Association, Inc. v. City of San Juan Capistrano*, 235 Cal.App.4th 1493 (2015), upholding tiered water rates under Proposition 218 provided that the tiers correspond to the actual cost of furnishing service at a given level of usage. The opinion included a finding that the City of San Juan Capistrano did not attempt to calculate the actual costs of providing water at various tier levels. The District's tiered water rates are described under the caption “—Operating Revenues—Water Rates and Charges.” The District does not expect the *Capistrano Taxpayers Association* ruling to affect its water rate structure or to have a material adverse effect on its financial condition.

The District believes that its current water and wastewater rates and land based charges comply with the requirements of Proposition 218 and expects that any future water and wastewater rates and land based charges will comply with Proposition 218's procedural and substantive requirements to the extent applicable thereto.

Proposition 26

On November 2, 2010, voters in the State approved Proposition 26. Proposition 26 amends Article XIII C of the California Constitution to expand the definition of “tax” to include “any levy, charge, or exaction of any kind imposed by a local government” except the following: (1) a charge imposed for a specific benefit conferred or privilege granted directly to the payor that is not provided to those not charged, and which does not exceed the reasonable costs to the local government of conferring the benefit or granting the privilege; (2) a charge imposed for a specific government service or product provided directly to the payor that is not provided to those not charged, and which does not exceed the reasonable costs to the local government of

providing the service or product; (3) a charge imposed for the reasonable regulatory costs to a local government for issuing licenses and permits, performing investigations, inspections, and audits, enforcing agricultural marketing orders, and the administrative enforcement and adjudication thereof; (4) a charge imposed for entrance to or use of local government property, or the purchase, rental, or lease of local government property; (5) a fine, penalty, or other monetary charge imposed by the judicial branch of government or a local government, as a result of a violation of law; (6) a charge imposed as a condition of property development; and (7) assessments and property-related fees imposed in accordance with the provisions of Article XIII D. Proposition 26 provides that the local government bears the burden of proving by a preponderance of the evidence that a levy, charge or other exaction is not a tax, that the amount is no more than necessary to cover the reasonable costs of the governmental activity and that the manner in which those costs are allocated to a payor bear a fair or reasonable relationship to the payor's burdens on, or benefits received from, the governmental activity. The District does not believe that the enactment of Proposition 26 affects its ability to levy rates and charges for water or wastewater service.

In 2017, the Court held in *City of San Buenaventura v. United Water Conservation District* that groundwater pumping charges imposed by a groundwater management agency are not "property-related" charges that are subject to Article XIII D of the California Constitution, but remanded the case back to an appellate court to determine whether such charges are taxes under Proposition 26. In 2019, the appellate court ruled that there was not a sufficient record to determine whether the groundwater pumping charges were taxes under Proposition 26 and remanded the case back to a trial level court to hear arguments with respect to such matters. The District is monitoring further developments in this case, which may affect its ability to seek review of decisions of the San Jacinto Basin Watermaster. See the caption "WATER RESOURCES, FACILITIES AND USAGE—Groundwater Supplies—The Watermaster."

Pension Plan

This caption contains certain information relating to the California Public Employees Retirement System ("CalPERS"). The information is primarily derived from information produced by CalPERS, its independent accountants and actuaries. The District has not independently verified the information provided by CalPERS and neither makes any representations nor expresses any opinion as to the accuracy of the information provided by CalPERS.

The comprehensive annual financial reports of CalPERS are available on its Internet website at www.calpers.ca.gov. The CalPERS website also contains CalPERS' most recent actuarial valuation reports for the District, including a schedule of funding history and other information concerning benefits and other matters. Such information is not incorporated by reference herein. The District and the Authority cannot guarantee the accuracy of such information. Actuarial assessments are "forward-looking" statements that reflect the judgment of the fiduciaries of the pension plans and are based upon a variety of assumptions, one or more of which may not materialize or be changed in the future. Actuarial assessments will change with the future experience of the pension plans.

CalPERS Plan Summary. The District contributes to CalPERS, an agent multiple-employer public employee defined benefit pension plan for all of the District's full-time and certain of its temporary employees. CalPERS provides retirement, disability and death benefits to plan members and beneficiaries. CalPERS acts as a common investment and administrative agent for participating public employers within the State of California, including the District. CalPERS plan benefit provisions and all other requirements are established by State of California statute and the District's Board of Directors.

All full-time and certain part-time District employees are eligible to participate in CalPERS, with benefits vesting after five years of service. District employees who retire at age 55 with five years of credited service are entitled to an annual retirement benefit, payable monthly for life, in increasing percentage increments up to the maximum amount of their specific plan during their highest consecutive twelve month period, for each year of credited service. For employees hired prior to November 4, 2010 (referred to below as

the “**first tier**”), the maximum amount is 2.5 percent, and for employees hired on or after November 4, 2010 and generally before January 1, 2013 (referred to below as the “**second tier**”), such amount is based upon CalPERS’ 2.0 percent at 55 formula. Employees hired on or after January 1, 2013 who were not already a member of a pension system are subject to the California Public Employees’ Pension Reform Act of 2013 (“**AB 340**”), which was signed by the California Governor on September 12, 2012. AB 340 established a third pension tier of 2.0 percent at 62 with a maximum benefit formula of 2.5 percent at age 67. Benefits for the third tier are calculated on the highest average annual compensation over a consecutive 36-month period. See the caption “—AB 340” below.

The District is required to contribute actuarially determined amounts to fund its pension obligations. The District’s contribution rates for Fiscal Years 2018 and 2019 were equal to 8.19% and 8.69% of covered payroll, respectively. However, beginning in Fiscal Year 2018, CalPERS began collecting employer contributions toward a pension plan’s unfunded liability as dollar amounts instead of the prior method of a percentage of payroll. According to CalPERS, this change was intended to address potential funding issues that could arise from a declining payroll or a reduction in the number of active members in the plan. Funding the unfunded liability as a percentage of payroll could lead to underfunding of pension plans. Due to stakeholder feedback regarding internal needs for total contributions expressed as an estimated percentage of payroll, the CalPERS reports include such results in the contribution projection for informational purposes only. Contributions toward a pension plan’s unfunded liability will continue to be collected as set dollar amounts.

The total minimum required contribution is the sum of a plan’s Employer Normal Cost Rate (paid monthly as a percentage of payroll) plus the Employer Unfunded Accrued Liability (the “**UAL**”) contribution billed in dollars amounts. Only the UAL portion can be prepaid. The District’s contribution for Fiscal Year 2019 was \$4,660,267 for the Employer Normal Cost and \$7,786,422 for the UAL. In the CalPERS Actuarial Valuation report dated July 2018, reported as of June 30, 2018, CalPERS provided an annual contribution rate for Fiscal Year 2020 of 9.54% for the Employer Normal Cost Rate and \$9,210,403 for the annual UAL prepayment.

For Fiscal Years 2018 and 2019, the District elected to make its annual UAL contributions in a lump sum pre-payment option to CalPERS in the amounts of \$6,501,357 and \$7,786,422, respectively. In Fiscal Year 2020, the District prepaid the lump sum UAL required contribution of \$9,210,403. The Employer Normal Cost contributions are paid monthly as part of the payroll reporting process. The District notes that contributions in future years are expected to increase as a result of losses in CalPERS’ portfolio resulting from the COVID-19 outbreak. See the Official Statement under the caption “COVID-19 OUTBREAK.”

Plan participants are required to contribute an actuarially determined percentage of their annual covered salary under the CalPERS plan (the “**Employee Contributions**”) in the amounts of 8%, 7% and 6.25%, for employees in the first, second and third pension tiers, respectively. The District previously contributed a portion of the Employee Contributions on behalf of employees (the “**EPMC**”) who are enrolled in the first and second tiers. Such EPMC contributions ceased at the end of 2018 as described below.

The EPMC for employees in the first pension tier was reduced over the three-year term of the District’s prior memorandum of understanding with the Union; the District paid 6.5% of the 8% Employee Contribution (or 81.25% of the total Employee Contribution) in the first year (generally Fiscal Year 2014), 5.5% of the 8% Employee Contribution (or 68.75% of the total Employee Contribution) in the second year (generally Fiscal Year 2015) and 4% of the 8% Employee Contribution (or 50% of the total Employee Contribution) in the third year (generally Fiscal Year 2016). Under the MOU with the Union (as discussed under the caption “THE DISTRICT—Employee Relations”), employees in the first tier have been paying the full 8% Employee Contribution since January 1, 2019.

The EPMC for employees in the second tier is 3% of the 7% Employee Contribution (or approximately 43% of the Employee Contribution for employees in the second tier). Under the MOU with the Union (as

discussed under the caption “THE DISTRICT—Employee Relations”), employees in the second tier have been paying the full 7% Employee Contributions since January 1, 2019.

Under AB 340, the District cannot and does not make EPMC contributions for employees in the third tier.

In Fiscal Year 2015, the District implemented Governmental Accounting Standards Board Statement No. 68, Accounting and Reporting for Pensions (“**GASB 68**”) for state and local governments. GASB 68 requires governments that provide defined benefit pensions to recognize long-term obligations for pension benefits as a liability on the balance sheet and to more comprehensively and comparably measure the annual costs of pension benefits. GASB 68 also enhanced accountability and transparency through revised and new financial statement disclosures and required supplementary information. Although GASB 68 is a change in defined pension benefits accounting reporting standards, it does not change the District’s CalPERS plan funding obligations. See Note 6 and the Required Supplementary Information in Appendix B for further information with respect to GASB 68.

The following table summarizes the District’s pension costs for Fiscal Years 2015 through 2019:

<i>Fiscal Year</i>	<i>Actuarially Determined Contribution (formerly Annual Required Contribution (A))</i>	<i>District-Funded Employee Contribution (EPMC) (B)</i>	<i>Employee Contribution (C)</i>	<i>Annual Pension Cost (A)+(B)+(C)</i>
2015	\$ 8,160,464	\$2,626,406	\$1,321,597	\$12,108,467
2016	8,782,080	1,942,151	2,070,962	12,795,193
2017	9,699,290	2,461,058	1,654,254	13,814,602
2018	10,748,951	967,790	3,001,072	14,717,813
2019	12,446,689	307,526	3,704,362	16,458,577

(A) Employer’s share only.

(B) Portion of employee’s share that is paid by the District (EPMC).

(C) Portion of employee’s share that is paid by employee.

Source: Eastern Municipal Water District.

The District’s CalPERS plan had a total net pension liability of \$117,160,370 for the Fiscal Year ended June 30, 2017, \$132,603,024 for the Fiscal Year ended June 30, 2018 and \$132,789,256 for the Fiscal Year ended June 30, 2019. The net pension liability is the difference between the total pension liability and the fair market value of pension assets. The District’s total pension assets include funds that are held by CalPERS and its net pension asset or liability is based on such amounts. The District notes that its net pension liability is expected to increase in the future as a result of losses in CalPERS’ portfolio resulting from the COVID-19 outbreak. See the Official Statement under the caption “COVID-19 OUTBREAK.”

A summary of principal assumptions and methods used to determine the total pension liability for Fiscal Year 2019 is shown below.

Actuarial Cost Method	Entry Age Normal in accordance with the requirements of GASB 68
Asset Valuation Method	Market Value of Assets
<i>Actuarial Assumptions:</i>	
Discount Rate	7.15%
Inflation	2.50%
Salary Increases	Varies by entry age and service
Investment Rate of Return	7.5% net of pension plan investment and administrative expenses; includes projected inflation
Mortality Rate Table ⁽¹⁾	Derived using CalPERS' membership data for all funds

⁽¹⁾ The mortality table used was developed based on CalPERS-specific data. The table includes 15 years of mortality improvements using Society of Actuaries Scale 90% of Scale MP 2016.
Source: Eastern Municipal Water District.

Changes in the net pension liability for the District's pension plans were as follows:

	<i>Increase / (Decrease)</i>		
	<i>Total Pension Liability</i>	<i>Plan Fiduciary Net Position</i>	<i>Net Pension Liability / (Asset)</i>
Balance at June 30, 2017	\$429,713,231	\$297,110,207	\$132,603,024
Balance at June 30, 2018	<u>450,120,011</u>	<u>317,330,755</u>	<u>132,789,256</u>
Net Changes for period from July 1, 2017 through June 30, 2018	\$ 20,406,780	\$ 20,220,548	\$ 186,232

Source: Eastern Municipal Water District.

The following table presents the net pension liability of the District's Miscellaneous plan, calculated using the discount rate as of June 30, 2018 (which was applicable to Fiscal Year 2019 (7.15%)), as well as what the net pension liability would be if it were calculated using a discount rate that is 1 percentage point lower (6.15%) or 1 percentage point higher (8.15%) than the current rate:

	<i>Discount Rate – 1% (6.15%)</i>	<i>Current Discount Rate (7.15%)</i>	<i>Discount Rate + 1% (8.15%)</i>
Plan's Net Pension Liability/(Asset)	\$195,151,175	\$132,789,256	\$81,194,319

Source: Eastern Municipal Water District.

On December 21, 2016, the CalPERS Board voted to lower its discount rate from the current rate of 7.50% to 7.00% over three years according to the following schedule.

<i>Valuation Date</i>	<i>Fiscal Year</i>	<i>Discount Rate</i>
June 30, 2016	2018-19	7.375%
June 30, 2017	2019-20	7.250
June 30, 2018	2020-21	7.000

For public agencies such as the District, the new discount rate took effect July 1, 2018. Lowering the discount rate means that employers that contract with CalPERS to administer their pension plans will see increases in their normal costs and unfunded actuarial liabilities. Active members hired after January 1, 2013 will also see their contribution rates rise under AB 340. The three-year reduction of the discount rate will result in average employer rate increases of approximately 1% to 3% of normal cost as a percentage of payroll for most miscellaneous retirement plans such as those of the District. Additionally, many employers will see a 30%

to 40% increase in their current unfunded accrued liability payments. These payments are made to amortize unfunded liabilities over 20 years to bring pension funds to a fully funded status over the long-term.

The practical effect of the above-described change in the discount rate is that the District’s contribution rates as a percentage of annual payroll are expected to rise as follows:

<i>Fiscal Year for Required Contribution</i>	<i>Projected Contribution Percentage of Payroll</i>
2018-19	23.4%
2019-20	26.1
2020-21	28.5

AB 340. On September 12, 2012, the California Governor signed AB 340, which implemented pension reform in California. Effective January 1, 2013, AB 340: (i) required public retirement systems and their participating employers to share equally with employees the normal cost rate for such retirement systems; (ii) prohibited employers from paying employer-paid member contributions to such retirement systems for employees hired after January 1, 2013; (iii) established a compulsory maximum non-safety benefit formula of 2.5% at age 67; (iv) defined final compensation as the highest average annual pensionable compensation earned during a 36-month period; and (v) capped pensionable income at \$110,100 (\$132,120 for employees not enrolled in Social Security), subject to Consumer Price Index increases.

Other provisions reduced the risk of the District incurring additional unfunded liabilities, including prohibiting retroactive benefits increases, generally prohibiting contribution holidays, and prohibiting purchases of additional non-qualified service credit. CalPERS estimated savings for local agency plans of approximately \$1.653 billion to \$2.355 billion over the next 30 years due primarily to increased employee contributions and, as the workforce turns over, lower benefit formulas that will gradually reduce normal costs. Savings specific to the District have not been quantified.

The District’s projections of Maintenance and Operation Costs under the caption “PROJECTED OPERATING RESULTS” assume increases in CalPERS normal cost contributions in the future as a result of the COVID-19 outbreak. See the caption “COVID-19 OUTBREAK.” The District does not expect that any increased funding of pension benefits will have a material adverse effect on the ability of the District to make the Installment Payments.

See Note 6 and the Required Supplementary Information in Appendix B for further information with respect to the District’s pension plans.

401(a) Plan. District employees are not members of the federal Social Security system. However, the District contributes a portion of what ordinarily would be the District’s participation of Social Security taxes (using a rate of 7.15% on the first \$16,500 of annual compensation) to a special trust fund (the “**401(a) Plan**”) for each of its employees to provide additional retirement benefits. Total contributions to the 401(a) Plan for Fiscal Years 2017, 2018 and 2019 were \$768,373, \$787,033 and \$779,568, respectively. The District also makes discretionary contributions to the 401(a) Plan on behalf of the General Manager in accordance with the terms of his employment contract.

As of January 1, 2014, the District also contributes to the 401(a) Plan in an amount that matches a portion of the employees’ voluntary contributions made to the District-sponsored 457 Deferred Compensation Plan. This matching contribution is up to 2.0%, 3.0% and 4.0% of annual base salary for calendar years 2017, 2018 and 2019, respectively. In Fiscal Years 2017, 2018 and 2019, employees voluntarily deferred \$3,360,339, \$3,611,186 and \$3,760,450, respectively, into the 457 Deferred Contribution Plan and the District provided matching funding of \$819,563, \$1,081,382 and \$1,531,984, respectively, into the 401(a) Plan. Currently, approximately 92% of employees voluntarily contribute to the District-sponsored 457 Deferred Compensation

Plan; most, but not all, of those employees currently contribute at a rate which maximizes the District's matching contribution. The District does not fund contributions into the 457 Deferred Compensation Plan.

Post-Employment Healthcare Benefits

The District provides post-employment health care benefits to all qualified employees who meet the District's CalPERS plan requirements. This plan is an agent multiple-employer defined benefit other post-employment benefits ("OPEB") plan with three tiers of retiree healthcare benefits depending on employee hiring dates.

In addition, the District provides post-employment group life insurance to eligible retired employees and elected officials with a death benefit of \$10,000 up to age 70 and \$5,000 thereafter for employees; and a death benefit of \$5,000 up to age 70 and \$2,500 thereafter for elected officials.

The benefit provisions for retired employee health care and life insurance are established and amended through the MOU between the District and the Union. See the caption "THE DISTRICT—Employee Relations." The benefit provisions for retired elected official life insurance are established through the District's contract with the life insurance company. The District does not issue separate stand-alone financial reports for these plans.

On April 18, 2012, the Board approved the establishment of an irrevocable OPEB trust (the "OPEB Trust") and approved and authorized an agreement with CalPERS to administer the OPEB Trust on its behalf. The District established the OPEB Trust in Fiscal Year 2013 and made initial contributions to the OPEB Trust of approximately \$2,500,000. At the time the OPEB Trust was established, the District planned to contribute an amount approximately equal to 10% of the share of the 1% Riverside County general property tax levy that the District receives annually. See the caption "—Non-Operating Revenues—Taxes."

The District's annual OPEB actuarially determined contribution, actual OPEB contributions, the percentage of actual contributions to actuarially determined contribution and the net OPEB liability for the last five fiscal years were as follows:

<i>Fiscal Year</i>	<i>Actuarially Determined Contribution (formerly Annual Required Contribution) (A)</i>	<i>Total Contribution</i>	<i>% of Actual Contributions to the Plan In Relation to Actuarially Determined Contribution</i>	<i>Net OPEB Liability (formerly Net OPEB Obligation) (B)</i>
2015	\$ 8,716,000	\$ 8,842,531	101%	\$51,927,505
2016	9,769,135	9,769,135	100	51,636,947
2017	10,062,209	17,562,209	175	43,807,182
2018	10,833,584	17,947,401	166	67,918,435
2019	10,934,835	19,240,938	176	56,851,211

(A) Change is a result of the implementation of GASB No. 75 in Fiscal Year 2018.

(B) GASB No. 75 requires reporting the District's Net OPEB Liability on its financial statements and was applied retroactively as of the beginning of Fiscal Year 2018.

Source: Eastern Municipal Water District.

A breakdown of contributions to the OPEB Trust in excess of the actuarially determined contribution is set forth below:

<i>Fiscal Year</i>	<i>Actuarially Determined Contribution</i>	<i>Contributions to OPEB Trust In Relation To Actuarially Determined Contribution</i>	<i>Additional Contributions to OPEB Trust</i>	<i>Total Contribution to OPEB Trust</i>
2015	\$ 8,716,000	\$ 6,842,531	\$2,000,000	\$ 8,842,531
2016	9,769,135	9,769,135	-	9,769,135
2017	10,062,209	10,062,209	7,500,000	17,562,209
2018	10,833,584	10,833,584	7,113,817	17,947,401
2019	10,934,835	10,934,835	8,306,103	19,240,938

Source: Eastern Municipal Water District.

See the caption “PROJECTED OPERATING RESULTS” for projected contributions to the OPEB Trust for the current and next four Fiscal Years.

In October 2013, the District adopted a set of policy principles regarding its OPEB benefits and funding strategies, including, among others, the following:

- The District will continue to set minimum annual contributions to the OPEB Trust at a level equivalent to 10% of annual property tax receipts plus “pay-as-you-go” for retiree medical premiums.
- The District intends to achieve “full funding” of its OPEB benefits within 20 years, or by Fiscal Year 2033-34. Full funding is defined by the District as funding 90% of the accrued liability on an actuarial basis.
- The District intends to fully fund the OPEB actuarially determined contribution within 10 years, or by Fiscal Year 2023-24.
- The District will adopt a second tier of benefits for future-hired employees based upon a maximum District contribution of the CalPERS-defined minimum monthly contribution provided for under the Public Employees Medical and Hospital Care Act, which is set at \$133 per month for 2020, and generally indexed by CalPERS annually to the Consumer Price Index.
- The District will continue to use appropriate assumptions in its assumed rates of return, rates of medical inflation, retirement ages and mortality tables in consultation with its professional actuaries.
- The District will consider using one-time gains in net operating margin to make additional contributions to the OPEB Trust to reduce the liability sooner and potentially achieve its funding goal sooner than Fiscal Year 2033-34.
- If necessary to achieve the funding goals noted above, the District will consider other funding sources including, but not limited to, a rate component and employee and/or retiree contributions.
- The District will formally re-evaluate funding strategies at least biennially, coincident with required actuarial valuations.

In furtherance of the above policy principles, the District implemented the new tier of benefits for employees hired on or after March 26, 2014. Based upon an actuarial study performed by Bartel & Associates,

the expected present value savings associated with the implementation of significantly reduced benefits for future-hired employees exceeded \$100 million.

Actuarial valuations of an ongoing plan involve estimates of the value of expected benefit payments and assumptions about the probability of occurrence of events far into the future. Examples include assumptions about future employment, mortality and the healthcare cost trend. Amounts determined regarding the funded status of the plan and the annual required contributions of the employer are subject to continual revision as actual results are compared with past expectations and new estimates are made about the future. The schedule of funding progress, presented as required supplementary information following the notes to the District’s financial statements set forth in Appendix B, presents multi-year trend information about whether the actuarial value of OPEB plan assets is increasing or decreasing over time relative to the actuarial accrued liabilities for benefits.

Projections of benefits are based on the substantive plan and include the types of benefits in force at the valuation date and the pattern of sharing benefit costs between the District and the plan members to that point. Actuarial calculations reflect a long-term perspective and employ methods and assumptions that are designed to reduce short-term volatility in actuarial accrued liabilities and the actuarial value of assets. Significant methods and assumptions are described in detail in Note 8 to Appendix B.

Under GASB Statement No. 75 (“**GASB 75**”), which was implemented in Fiscal Year 2018, the District reports its OPEB liability in its financial statements as part of its financial position. Because the District is responsible only for OPEB liabilities related to its own employees and because the District’s OPEB is administered through the OPEB Trust, the District reports a net OPEB liability—the difference between the total OPEB liability and assets accumulated in the OPEB Trust that are restricted to making benefit payments.

Changes in the net liability for the District’s OPEB plan were as follows.

	<i>Increase / (Decrease)</i>		
	<i>Total OPEB Liability</i>	<i>Plan Fiduciary Net Position</i>	<i>Net OPEB Liability / (Asset)</i>
Balance at June 30, 2018	\$106,318,423	\$38,399,988	\$67,918,435
Balance at June 30, 2019	<u>112,600,561</u>	<u>55,749,350</u>	<u>56,851,211</u>
Net Changes for period from July 1, 2018 through June 30, 2019	\$ 6,282,138	\$17,349,362	(\$11,067,224)

Source: Eastern Municipal Water District.

The following table presents the net liability of the District’s post-employment benefits plan, calculated using the discount rate applicable to Fiscal Year 2019 (7.00%), as well as what the net post-employment benefit liability would be if it were calculated using a discount rate that is 1 percentage point lower (6.00%) or 1 percentage point higher (8.00%) than the Fiscal Year 2019 rate:

	<i>Discount Rate – 1% (6.00%)</i>	<i>Applicable Discount Rate (7.00%)</i>	<i>Discount Rate + 1% (8.00%)</i>
Plan’s Net Liability/(Asset)	\$73,761,741	\$56,851,211	\$44,258,540

Source: Eastern Municipal Water District.

GASB 75 also requires the District to present more extensive disclosures and required supplementary information about its OPEB liabilities in the notes to its financial statements. Among the new disclosures is a description of the effect on the reported OPEB liability of using a discount rate and a healthcare cost trend rate

that are one percentage point higher and one percentage point lower than assumed by the District, a schedule showing the causes of increases and decreases in the OPEB liability and a schedule comparing a District actual OPEB contributions to its contribution requirements. The District has complied with GASB 75 beginning with its Fiscal Year 2018 financial statements.

The District's projections of Maintenance and Operation Costs under the caption "PROJECTED OPERATING RESULTS" do not assume unusual increases in OPEB funding expenses in the future. However, future changes in funding policies and assumptions, including those related to assumed rates of investment return and healthcare cost inflation, could trigger increases in the District's annual required contributions, and such increases could be material to the finances of the District. No assurance can be provided that such expenses will not increase significantly in the future. The District does not expect that any increased funding of post-employment benefits will have a material adverse effect on the ability of the District to make the Installment Payments.

For additional information about the District's OPEB plan, benefit tiers and contribution rates, see Note 8 in Appendix B.

District Reserves

See the caption "THE DISTRICT—District Reserve Policy" for information with respect to the District's liquidity position.

HISTORICAL OPERATING RESULTS

The following table summarizes the District's operating revenues, operating expenses and changes in net assets for the last five Fiscal Years. The operating revenues, operating expenses and changes in net assets in each of such Fiscal Years shown are derived from audited financial statements of the District. The audited financial statements of the District for Fiscal Year 2019 and the report thereon of Davis Farr LLP (the "Auditor") are included as Appendix B to the Official Statement. The following table is derived from such audited financial statements and the audited financial statements for prior Fiscal Years, including the notes contained therein, and should be read in conjunction with discussion below the table. The summary operating results contained in the below table excludes certain non-cash items, including but not limited to mark-to-market swap values and pension liabilities reported pursuant to GASB 68, and reflect certain other adjustments. See Appendix B for further information with respect to such non-cash items. Debt service coverage set forth in the summary operating results is calculated in accordance with the Master Resolution and the 2020A IPA. See Appendix C for certain definitions relating to Net Revenues from which the Installment Payments will be paid. The Auditor has not reviewed or audited the summary operating results or any other portion of the Official Statement. The summary operating results are qualified in their entirety by reference to Appendix B, including the notes thereto, and Appendix C.

The District accounts for moneys received and expenses paid in accordance with generally accepted accounting principles applicable to governmental agencies such as the District ("GAAP"), and the District applies all relevant Governmental Accounting Standards Board pronouncements. In certain cases, GAAP requires or permits moneys collected in one Fiscal Year to be recognized as revenue in a subsequent Fiscal Year and requires or permits expenses paid or incurred in one Fiscal Year to be recognized in a subsequent Fiscal Year.

The District accounts for its operations on a fund basis. In governmental accounting, a fund is a fiscal and accounting entity with a self-balancing set of accounts recording cash and other financial resources, together with all related liabilities and residual equities or balances, and changes therein. Because the activities of the District receive significant support from fees and charges, it uses a proprietary (enterprise) fund. Enterprise fund accounting is designed to highlight the extent to which fees and charges are sufficient to cover the cost of providing goods and services.

An enterprise fund distinguishes operating revenues and expenses from non-operating revenues and expenses. Operating revenues and expenses generally result from providing services and producing and delivering goods in connection with the District's principal ongoing operations. The principal operating revenues of the District are charges to customers for domestic, agricultural, irrigation and recycled water sales, and sewer service charges. Operating expenses for the District include the cost of sales and services, administrative expenses, and depreciation of capital assets.

Non-operating revenues and expenses are those revenues and expenses generated that are not directly associated with the normal business of supplying water and wastewater collection and treatment services. Non-operating revenues mainly consist of property taxes, availability (standby) assessments, investment income, connection fees and miscellaneous income. Capital contributions consist of facilities built by developers and turned over to the District to operate and maintain; and federal, state and private grants used to fund capital assets. Non-operating expenses mainly consist of debt service interest and debt-related fees.

The District uses the economic resources measurement focus and the accrual basis of accounting. Measurement focus determines what is measured in a set of financial statements and under the accrual basis of accounting, revenues are recorded when earned and expenses are recorded when a liability is incurred, regardless of the timing of related cash flows.

See Appendix B for a discussion of the District's accounting practices. Except as otherwise expressly noted herein, all financial information that is derived from the information that is set forth in Appendix B reflects the application of GAAP.

TABLE 19
EASTERN MUNICIPAL WATER DISTRICT
Historical Operating Results
Summary of Modified Revenues and Expenses

	<i>Fiscal Year 2015</i>	<i>Fiscal Year 2016</i>	<i>Fiscal Year 2017</i>	<i>Fiscal Year 2018</i>	<i>Fiscal Year 2019</i>
OPERATING REVENUES:					
Water Sales	\$ 117,295,152	\$ 112,457,426	\$ 120,870,937	\$ 135,428,866	\$ 132,847,172
Sewer Service Charges	77,120,505	87,184,856	92,536,116	96,049,786	102,037,610
Recycled Water Sales	<u>6,392,763</u>	<u>6,648,809</u>	<u>7,792,169</u>	<u>9,028,827</u>	<u>7,034,622</u>
Total Operating Revenues	\$ 200,808,420	\$ 206,291,091	\$ 221,199,222	\$ 240,507,479	\$ 241,919,404
OPERATING EXPENSES:					
Water purchases	\$ 59,040,009	\$ 50,334,462 ⁽²⁾	\$ 57,512,425	\$ 65,846,363	\$ 60,469,414
Water operations	45,691,510	43,582,087	44,089,564	44,202,187	46,398,474
Sewer operations	48,845,706	48,383,122	48,297,266	48,527,623	49,431,700
OPEB Trust ⁽¹⁾	8,568,000	9,478,577	9,732,444	7,852,804	7,223,073
General and administrative	<u>28,677,026</u>	<u>29,687,364</u>	<u>36,283,686⁽³⁾</u>	<u>43,901,997⁽⁴⁾</u>	<u>41,420,672</u>
Total Operating Expenses	\$ 190,822,251	\$ 181,465,612	\$ 195,915,385	\$ 210,330,974	\$ 204,943,333
OPERATING INCOME (LOSS)	\$ 9,986,169	\$ 24,825,479	\$ 25,283,837	\$ 30,176,505	\$ 36,976,071
NON-OPERATING REVENUES:					
Property taxes - General Purpose	\$ 30,843,713	\$ 32,271,305	\$ 33,971,127	\$ 36,294,389	\$ 38,204,912
Standby charges	5,735,466	5,784,242	5,831,357	5,769,853	5,828,077
Wastewater connection fees	18,690,317	33,147,973	27,982,278	31,045,813	37,665,884
Water connection fees	8,079,280	10,587,777	10,646,297	13,524,078	14,502,408
Water supply development fee	1,538,026	1,980,034	1,936,622	2,354,984	2,497,608
Interest income	3,092,643	3,405,039	4,733,897	8,181,973	11,897,412
Grants/Other Income/(Expenses)	<u>4,659,388</u>	<u>5,683,592</u>	<u>2,669,881</u>	<u>9,324,551</u>	<u>30,543,215⁽⁵⁾</u>
Total Non-Operating Revenues	\$ 72,638,833	\$ 92,859,962	\$ 87,771,459	\$ 106,495,641	\$ 141,139,516
NET WATER AND SEWER REVENUES FOR DEBT COVERAGE	\$ 82,625,002	\$ 117,685,441	\$ 113,055,296	\$ 136,672,146	\$ 178,115,587
PARITY OBLIGATION DEBT SERVICE:					
Parity Obligation Payments	\$ 26,604,369	\$ 22,545,830	\$ 15,651,578	\$ 4,907,150	\$ 4,988,750
State Contract Debt Service Payments	<u>5,877,892</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Parity Obligation Debt Service	\$ 32,482,261	\$ 22,545,830	\$ 15,651,578	\$ 4,907,150	\$ 4,988,750
DEBT SERVICE COVERAGE	2.5 x	5.2 x	7.2 x	27.9 x	35.7 x
REVENUES AVAILABLE FOR SUBORDINATE OBLIGATIONS	\$ 50,142,741	\$ 95,139,611	\$ 97,403,718	\$ 131,764,996	\$ 173,126,837
SUBORDINATE OBLIGATION DEBT SERVICE					
Subordinate Obligation Payments	\$ 2,917,542	\$ 12,341,530	\$ 22,414,814	\$ 39,076,172	\$ 39,444,828
State Contract Debt Service Payments	<u>-</u>	<u>7,850,723</u>	<u>6,521,019</u>	<u>6,521,019</u>	<u>6,809,653</u>
Total Subordinate Obligation Debt Service	\$ 2,917,542	\$ 20,192,253	\$ 28,935,832	\$ 45,597,191	\$ 46,254,481
SUBORDINATE OBLIGATION DEBT SERVICE COVERAGE	17.2 x	4.7 x	3.4 x	2.9 x	2.7 x
REMAINING REVENUES	\$ 47,225,199	\$ 74,947,358	\$ 68,467,886	\$ 86,167,805	\$ 126,872,356
TOTAL DEBT SERVICE	\$ 35,399,803	\$ 42,738,083	\$ 44,587,410	\$ 50,504,341	\$ 51,243,231
ALL-IN DEBT SERVICE COVERAGE	2.3 x	2.8 x	2.5 x	2.7 x	3.5 x

(1) See the caption "HISTORICAL FINANCIAL OPERATIONS—Post-Employment Healthcare Benefits."

(2) Decrease from Fiscal Year 2015 reflects reduced water purchases as a result of Statewide drought and mandatory State conservation orders with respect thereto. See the caption "WATER RESOURCES, FACILITIES AND USAGE—Water Supply Reliability."

(3) Increase from Fiscal Year 2016 includes a \$4.6 million increase in unallocated pension expense.

(4) Increase from Fiscal Year 2017 includes a \$7.6 million increase in unallocated pension expense.

(5) Increase from Fiscal Year 2018 includes receipt of grant moneys in the approximate amount of \$27 million.

Source: Eastern Municipal Water District.

The historical operating results of the District as presented in Appendix B reflect all sources of revenues and expenses from the District's audited financial statements, including general obligation-related revenues and expenses, depreciation, and other extraordinary book entries. In order to compare the projected operating results of the District set forth in Table 20 under the caption "PROJECTED OPERATING RESULTS" to the District's historical operating results set forth above in Table 19, a modified summary of revenues and expenses has been prepared. The following commentary is based on the modified summary.

The District's Net Water and Sewer Revenues include all gross income and revenue received or receivable by the District from its ownership and operation of the Water and Sewer System, including income derived from water and recycled water sales, sewer service charges, standby charges, water and sewer plant capacity charges, water and sewer back up charges, water and sewer frontage charges, water and sewer fees, annexation charges and certain investment earnings. The District budgets each year those revenues which are driven by expected customer demands on the system as part of its "Operating Budget." These revenues include water and recycled water sales, sewer service charges, standby charges, certain investment earnings and miscellaneous revenues derived from fees for service. These revenues are primarily used to pay for the Fiscal Year's operating expenses, capital outlays and research, and support the CIP. The balance of the net water and sewer revenues, water and sewer plant capacity charges, water and sewer back up charges, water and sewer frontage charges, water and sewer fees and certain investment earnings are appropriated each year to the construction fund to finance a major portion of the CIP. With the exception of the investment earnings, these revenues are part of the District's connection fee that is paid by the developer at the time arrangements are made with the District for water and/or sewer service. These revenues are reported as "Non-Operating" revenues and will have the biggest fluctuations from year to year due to being driven by economic conditions.

PROJECTED OPERATING RESULTS

The table of projected District revenues and expenses and debt service coverage for the current and next four Fiscal Years has been prepared by the District and reflects certain significant assumptions concerning future events and circumstances. The projected operating results contained in the below table exclude certain non-cash items, including but not limited to mark-to-market swap values and pension liabilities reported pursuant to GASB 68. Projected debt service coverage set forth in the below table is calculated in accordance with the Master Resolution and the 2020A IPA. This information has been provided for comparison purposes. The assumptions for operating revenue, operating expenses and debt service are material in the development of the District's financial projections, and variations in the assumptions may produce substantially different financial results. Actual operating results achieved during the projection period may vary from those presented in the forecast, and such variations may be material. See Table 4 above under the caption "THE DISTRICT—Debt Structure of the District—Summary of Debt Service" for a fuller presentation of debt service with respect to outstanding Parity Obligations and Subordinate Obligations payable from Net Water and Sewer Revenues.

As discussed under the caption "WATER RESOURCES, FACILITIES AND USAGE—Water Supply Reliability," the California Governor and various State of California entities issued orders and regulations over the last several years in connection with the recent Statewide drought. Although mandatory water conservation orders are no longer in force, the District is currently implementing Stage 2 of its WSCP. The below projections reflect the continued implementation of Stage 2 of the WSCP to discourage wasteful water use. There can be no assurance that water supplies or sales will not differ materially from the below projections as a result of changes in hydrological conditions or the State of California or the District response thereto in future years. The District does not believe that the implementation of the WSCP will have a material adverse effect on its ability to generate sufficient Net Revenues to pay the Installment Payments when due given the District's imposition of fixed charges, including the Water Reliability Capital Charge and the Sewer Capital Charge described under the caption "HISTORICAL FINANCIAL OPERATIONS—Operating Revenues," as well as the District's efforts to diversify its water supplies and decrease its reliance on imported water that is purchased from MWD. See the caption "WATER RESOURCES, FACILITIES AND USAGE." The District has covenanted to set rates and charges in amounts that are sufficient to pay the Installment Payments. See the Official Statement under the caption "SECURITY FOR THE 2020A BONDS—Rate Covenant."

TABLE 20
EASTERN MUNICIPAL WATER DISTRICT
Projected Operating Results
Summary of Modified Revenues and Expenses

	<i>Fiscal Year 2020⁽¹⁾</i>	<i>Fiscal Year 2021</i>	<i>Fiscal Year 2022</i>	<i>Fiscal Year 2023</i>	<i>Fiscal Year 2024</i>
OPERATING REVENUES:					
Water Sales ⁽²⁾	\$ 149,295,035	\$ 156,529,499	\$ 162,790,678	\$ 169,302,306	\$ 176,074,398
Sewer Service Charges ⁽³⁾	101,881,599	107,000,416	112,350,400	117,967,900	123,866,300
Recycled Water Sales ⁽⁴⁾	<u>11,102,177</u>	<u>11,788,430</u>	<u>12,377,900</u>	<u>12,996,800</u>	<u>13,646,600</u>
Total Operating Revenues	\$ 262,278,811	\$ 275,318,344	\$ 287,518,978	\$ 300,267,006	\$ 313,587,298
OPERATING EXPENSES:					
Water purchases ⁽⁵⁾	\$ 75,350,000	\$ 78,021,000	\$ 81,141,840	\$ 84,387,514	\$ 87,763,014
Water operations ⁽⁶⁾	51,561,299	53,639,361	55,784,935	58,016,333	60,336,986
Sewer operations ⁽⁷⁾	58,654,747	60,514,277	62,934,848	65,452,242	68,070,332
OPEB Trust ⁽⁸⁾	18,000,000	19,000,000	19,950,000	20,947,500	21,994,875
General and administrative ⁽⁹⁾	<u>44,687,726</u>	<u>46,564,657</u>	<u>48,427,243</u>	<u>50,364,333</u>	<u>52,378,906</u>
Total Operating Expenses	\$ 248,253,772	\$ 257,739,295	\$ 268,238,867	\$ 279,167,921	\$ 290,544,113
OPERATING INCOME (LOSS)	\$ 14,025,039	\$ 17,579,049	\$ 19,280,112	\$ 21,099,084	\$ 23,043,185
NON-OPERATING REVENUES:					
Property taxes - General Purpose ⁽¹⁰⁾	\$ 35,000,000	\$ 35,525,000	\$ 35,880,250	\$ 36,239,053	\$ 36,601,443
Standby charges ⁽¹¹⁾	6,000,000	6,075,000	6,135,750	6,197,108	6,259,079
Wastewater connection fees ⁽¹²⁾	31,029,808	32,794,460	34,637,064	36,560,709	38,568,600
Water connection fees ⁽¹³⁾	15,059,424	16,284,191	17,621,968	19,080,026	20,609,709
Water supply development fee ⁽¹⁴⁾	903,000	948,000	996,000	1,047,000	1,098,000
Interest income ⁽¹⁵⁾	11,925,000	12,500,000	9,628,350	11,034,321	11,199,835
Grants/Other Income/(Expenses) ⁽¹⁶⁾	<u>6,500,000</u>	<u>7,000,000</u>	<u>7,280,000</u>	<u>7,571,200</u>	<u>7,874,048</u>
Total Non-Operating Revenues	\$ 106,417,232	\$ 111,126,650	\$ 112,179,382	\$ 117,729,417	\$ 122,210,713
NET WATER AND SEWER REVENUES FOR DEBT COVERAGE ⁽¹⁷⁾	\$ 120,442,271	\$ 128,705,700	\$ 131,459,493	\$ 138,828,500	\$ 145,253,898
PARITY OBLIGATION DEBT SERVICE ⁽¹⁸⁾	\$ 4,875,625	\$ 4,868,750	\$ -	\$ -	\$ -
PARITY OBLIGATION DEBT SERVICE COVERAGE ⁽¹⁹⁾	24.7x	26.4x	N/A	N/A	N/A
REVENUES AVAILABLE FOR SUBORDINATE OBLIGATIONS ⁽²⁰⁾	\$ 115,566,646	\$ 123,836,950	\$ 131,459,493	\$ 138,828,500	\$ 145,253,898
SUBORDINATE OBLIGATION DEBT SERVICE ⁽²¹⁾	\$ 48,347,584	\$ 50,610,868	\$ 59,082,545	\$ 59,088,416	\$ 58,774,960
SUBORDINATE OBLIGATION DEBT SERVICE COVERAGE ⁽²²⁾	2.4x	2.4x	2.2x	2.3x	2.5x
REMAINING REVENUES ⁽²³⁾	\$ 67,219,062	\$ 73,226,082	\$ 72,376,948	\$ 79,740,084	\$ 86,478,938
TOTAL DEBT SERVICE ⁽²⁴⁾	\$ 53,223,209	\$ 55,479,618	\$ 59,082,545	\$ 59,088,416	\$ 58,774,960
ALL-IN DEBT SERVICE COVERAGE ⁽²⁵⁾	2.3x	2.3x	2.2x	2.3x	2.5x

⁽¹⁾ Reflects budgeted Fiscal Year 2020 amounts with certain adjustments, including adjustments to reflect a decrease in housing starts as a result of the COVID-19 outbreak. See the Official Statement under the caption "COVID-19 OUTBREAK."

⁽²⁾ Based on District projections of increases in connections. Also reflects \$3.95 monthly Water Reliability Capital Charge and \$0.44 daily service charge. Assumes additional \$0.50 monthly increase to such fixed charges effective January 1, 2021, January 1, 2022 and January 1, 2023. See the caption "HISTORICAL FINANCIAL OPERATIONS—Operating Revenues." Water sales projected at approximately 87,300 acre feet in Fiscal Year 2020, rising to 90,800 acre feet in Fiscal Year 2023. Assumes increases in water rates of approximately 3.8% per annum beginning in Fiscal Year 2021. Increases in rates and charges are subject to Board approval and the notice, hearing and protest provisions of Proposition 218 and there can be no assurance that such increases will be adopted as projected. See the caption "HISTORICAL FINANCIAL OPERATIONS—Certain Limitations on Taxes and Other Revenue Sources—Articles XIII C and XIII D of the California Constitution."

(Footnotes Continued on Following Page)

- (3) Based on District projections of increases in connections and projected rate increases of approximately 4.0% per annum beginning January 1, 2021 to cover energy, labor and other operational costs. Also reflects \$2.75 monthly Sewer Capital Charge. See the caption “HISTORICAL FINANCIAL OPERATIONS—Operating Revenues.” Increases in rates and charges are subject to Board approval and the notice, hearing and protest provisions of Proposition 218 and there can be no assurance that such increases will be adopted as projected. See the caption “HISTORICAL FINANCIAL OPERATIONS—Certain Limitations on Taxes and Other Revenue Sources—Articles XIII C and XIII D of the California Constitution.”
- (4) Based on District projections of increases in connections and projected rate increases of approximately 3.8% per annum. See the caption “HISTORICAL FINANCIAL OPERATIONS—Operating Revenues.” Increases in rates are subject to Board approval and the notice, hearing and protest provisions of Proposition 218 and there can be no assurance that such increases will be adopted as projected. See the caption “HISTORICAL FINANCIAL OPERATIONS—Certain Limitations on Taxes and Other Revenue Sources—Articles XIII C and XIII D of the California Constitution.”
- (5) Based on District projections. Does not include costs associated with water purchases for groundwater recharge purposes under the Settlement Act as described under the caption “WATER RESOURCES, FACILITIES AND USAGE—Groundwater Supplies—Soboba Settlement Agreement.” Assumes potable water supply mix of 70% imported water, or approximately 59,000 acre feet, in Fiscal Years 2020 through 2024.
- (6) Projected to increase by approximately 4.0% per annum.
- (7) Projected to increase by approximately 3.0% in Fiscal Year 2021 and by approximately 4.0% per annum thereafter.
- (8) Reflects projected deposits to OPEB Trust described under the caption “HISTORICAL FINANCIAL OPERATIONS—Post-Employment Healthcare Benefits.”
- (9) Fiscal Year 2020 amount based on adopted budget. Projected to increase by approximately 2.0% in Fiscal Year 2021 and by approximately 4.0% per annum thereafter. Increases reflect projections of higher wages and benefits due to contractual obligations.
- (10) Projected to increase by approximately 1.5% in Fiscal Year 2021 and by approximately 1.0% per annum thereafter, reflecting increased assessed values in the District service area and additional taxes received as a result of the dissolution of redevelopment agencies in the State of California and the concomitant elimination of certain tax increment sharing obligations. See the caption “HISTORICAL FINANCIAL OPERATIONS—Non-Operating Revenues—Taxes.”
- (11) Projected to increase by approximately 1.25% in Fiscal Year 2021 and by approximately 1.0% per annum thereafter. See the caption “HISTORICAL FINANCIAL OPERATIONS—Non-Operating Revenues—Standby (Availability) Charges.”
- (12) One-time charge revenues received from developers used to finance wastewater treatment plant facility expansions, transmission mains, sewer lift stations and disposal facilities. Reflects District projections of development within the District. Wastewater EDUs are projected to increase from 3,450 in Fiscal Year 2020 to 3,810 in Fiscal Year 2024. The proposed rates over the forecast period range from \$8,994 per EDU in Fiscal Year 2020 to \$10,123 per EDU in Fiscal Year 2024. See the caption “HISTORICAL FINANCIAL OPERATIONS—Non-Operating Revenues—Connection Fees.”
- (13) One-time charge revenues received from developers used to finance water treatment plant facility expansions, distribution mains, water pumping plants, wells and storage tanks. Reflects District projections of development within the District. Water EMSes are projected to increase from 3,010 in Fiscal Year 2020 to 3,660 in Fiscal Year 2024. The proposed rates over the forecast period range from \$5,003 in Fiscal Year 2020 to \$5,631 in Fiscal Year 2024. See the caption “HISTORICAL FINANCIAL OPERATIONS—Non-Operating Revenues—Connection Fees.”
- (14) Established in 2004 at \$300 per connection. Proceeds support projects that will provide for improved utilization of the District’s available resources. Projected to remain at \$300 over the forecast period. Projected revenue is based on the projected water EMSes described in Footnote (13).
- (15) As of June 30, 2019, the District had approximately \$367 million in available cash reserves, representing approximately 643 days’ cash on hand. The District’s total investment portfolio (including restricted reserves), from which it derives interest earnings, is approximately \$553 million and is invested in various securities with an average yield of approximately 1.90% as of December 31, 2019. See the caption “THE DISTRICT—District Reserve Policy.”
- (16) Includes delinquency charges, industrial permitting, meter rentals, plan checks and other miscellaneous revenues, which are projected to remain stable, plus grant revenues, less disposal of plant assets, abandonments, bad debt expense, special studies and miscellaneous interest expenses. Net other income is projected to increase by approximately 7.6% in Fiscal Year 2021 and by approximately 4.0% per annum thereafter.
- (17) Operating Income (Loss) plus Total Non-Operating Revenues.
- (18) See the caption “THE DISTRICT—Debt Structure of the District—Parity Obligations.” These obligations mature in Fiscal Year 2021.
- (19) Net Water and Sewer Revenues for Debt Coverage divided by Parity Obligation Debt Service.
- (20) Net Water and Sewer Revenues for Debt Coverage minus Parity Obligation Debt Service.
- (21) Interest on the 2018B Bonds is calculated at the LIBOR Swap rate of 3.10% per annum. Interest on the hedged portion of the 2018C Bonds is calculated at the SIFMA Swap rate of 5.125% per annum through the termination date of the SIFMA Swap on July 1, 2020. Interest on the 2018A Bonds and the unhedged portion of the 2018C Bonds is calculated at an assumed interest rate of 3.50% per annum. Reflects the refunding of the 2015A Bonds, 2017A Bonds and 2017B Bonds from proceeds of the 2020A Bonds on or about June 10, 2020. See the Official Statement under the caption “THE REFUNDING PLAN.” Reflects scheduled debt service on the 2015B IPA, the 2016A Bonds, the 2016B IPA, the 2017C Bonds and the 2017D IPA as well as scheduled debt service on State Contracts.
- (22) Revenues Available for Subordinate Obligations divided by Total Subordinate Obligation Debt Service.
- (23) Revenues Available for Subordinate Obligations minus Total Subordinate Obligation Debt Service.
- (24) Parity Obligation Debt Service plus Total Subordinate Obligation Debt Service.
- (25) Net Water and Sewer Revenues for Debt Coverage divided by Total Debt Service.

Source: Eastern Municipal Water District.

APPENDIX B
DISTRICT FINANCIAL STATEMENTS

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Delivering value to our customers and the communities we serve by providing safe, reliable, economical and environmentally sustainable water, wastewater and recycled water services.



COMPREHENSIVE ANNUAL FINANCIAL REPORT

For the Fiscal Year Ended June 30, 2019

Perris, California

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COMPREHENSIVE ANNUAL FINANCIAL REPORT

For the Fiscal Year Ended June 30, 2019

Perris, California



Prepared by the

Eastern Municipal Water District
Finance Department

2270 Trumble Road
Perris, CA 92570



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Eastern Municipal Water District
COMPREHENSIVE ANNUAL FINANCIAL REPORT

For the Fiscal Year Ended June 30, 2019

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Eastern Municipal Water District
COMPREHENSIVE ANNUAL FINANCIAL REPORT

For the Fiscal Year Ended June 30, 2019

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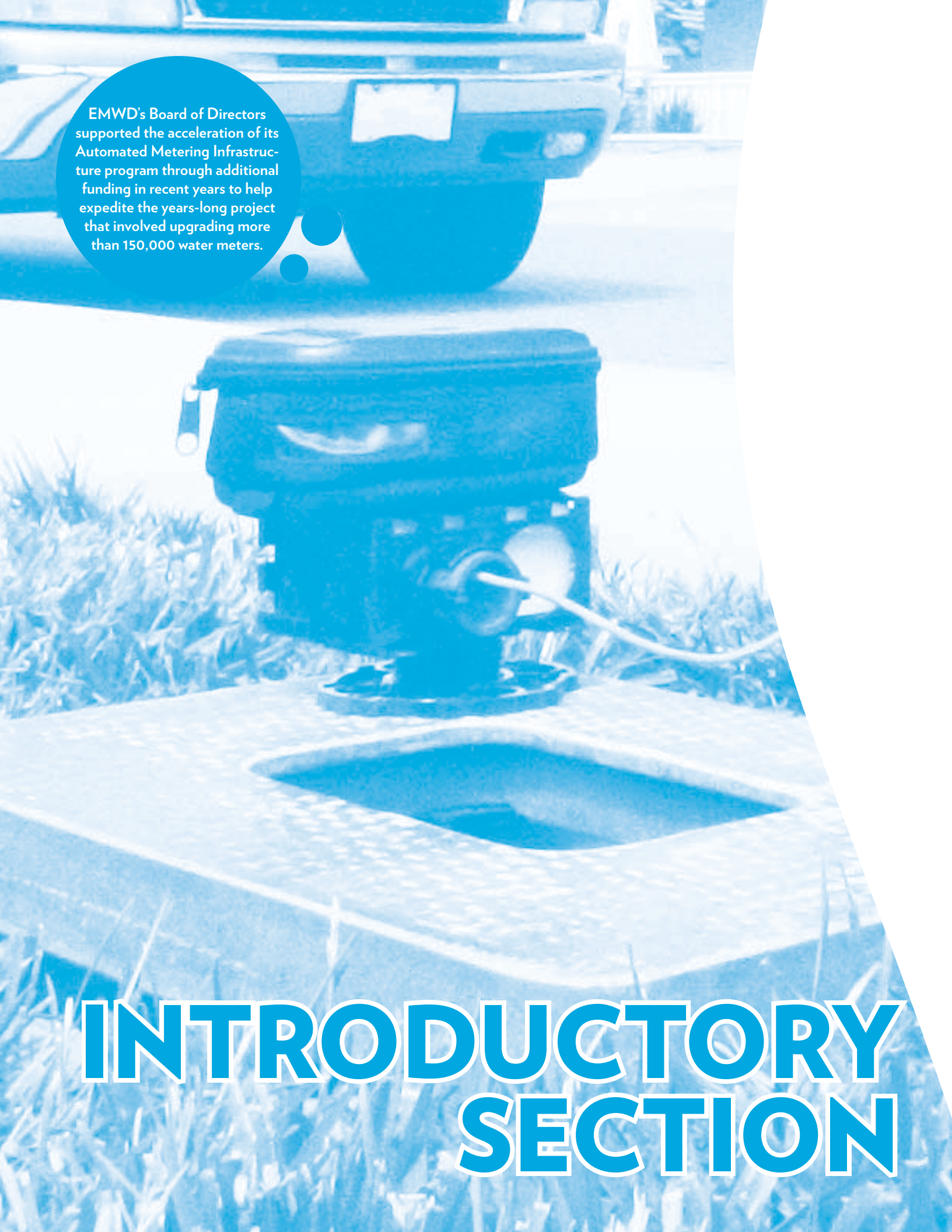
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EMWD's Board of Directors supported the acceleration of its Automated Metering Infrastructure program through additional funding in recent years to help expedite the years-long project that involved upgrading more than 150,000 water meters.

INTRODUCTORY SECTION

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November 13, 2019

Board of Directors
Eastern Municipal Water District

We are pleased to present the Eastern Municipal Water District's (District) Comprehensive Annual Financial Report (CAFR) for the fiscal year ended June 30, 2019. State law and debt covenants require that the District publish, within six months and 180 days of the close of each fiscal year, respectively, a complete set of audited financial statements. This report is published to fulfill that requirement and to provide the Board of Directors (Board), the public and other interested parties these basic financial statements.

Management assumes full responsibility for the completeness and reliability of the information contained in this report, based upon a comprehensive framework of internal control that it has established for this purpose. Because the cost of internal control should not exceed anticipated benefits, the objective is to provide reasonable, rather than absolute, assurance that the financial statements are free of any material misstatements.

Davis Farr LLP, a firm of licensed certified public accountants, has issued an unmodified opinion on the District's financial statements for the year ended June 30, 2019. The independent auditors' report is presented as the first component of the financial section of this report.

Included are all disclosures management believes necessary to enhance your understanding of the financial condition of the District. Generally accepted accounting principles (GAAP) requires that management provide a narrative introduction, overview, and analysis to accompany the basic financial statements in the form of Management's Discussion and Analysis (MD&A). This letter of transmittal is designed to complement MD&A and should be read in conjunction with it. The District's MD&A can be found immediately following the report of the independent auditors in the financial section of this report.

Board of Directors
Ronald W. Sullivan, *President* Philip E. Paule, *Vice President* Stephen J. Corona Randy A. Record David J. Slawson

2270 Trumble Road • P.O. Box 8300 • Perris, CA 92572-8300
T 951.928.3777 • F 951.928.6177 www.emwd.org

PROFILE OF THE DISTRICT

The Eastern Municipal Water District was incorporated in 1950 under the Municipal Water District Act of 1911 and the provisions of the California Water Code. Its primary purpose was to import Colorado River water to its service area to augment local water supplies. Prior to the District's formation, the local water supply was primarily from groundwater wells.

The District is governed by a five-member Board of Directors elected by the public for a four-year term, each representing comparably sized districts based on population. This five-member Board is responsible to the general public within the District for proper conduct of District affairs. The District is a member of the Metropolitan Water District of Southern California (MWD), a cooperative organization of twenty-six member agencies responsible for providing imported water to Southern California.



The District is located in Southern California and its service area lies within western Riverside County, encompassing approximately 555 square miles. In 1951, the District's service area consisted of 86 square miles. Today, growth has resulted from annexations ranging in area from 1 to 72,000 acres. The assessed valuation has grown from \$72.0 million when formed to approximately \$79.0 billion for this past fiscal year. The District is divided into separate regional service areas for water service and sewer service.

Riverside County has a population of 2.5 million people. Of this population, the District serves approximately 839 thousand or 34.2 percent, including the cities of Temecula, Murrieta, Menifee, Hemet, San Jacinto, Moreno Valley, Perris, Wildomar and unincorporated areas in Riverside County. A map of the service area is on page 17 of this report.

The mission of the District is to deliver value to its customers and the communities it serves by providing safe, reliable, economical and environmentally sustainable water, wastewater and recycled water services. It provides three primary products and services: potable water, wastewater collection and treatment and recycled water.

The District's approximately 608 employees are responsible for providing excellent customer service driven by its standards to provide safe, reliable, economical and environmentally friendly services.

WATER SUPPLY AND RELIABILITY

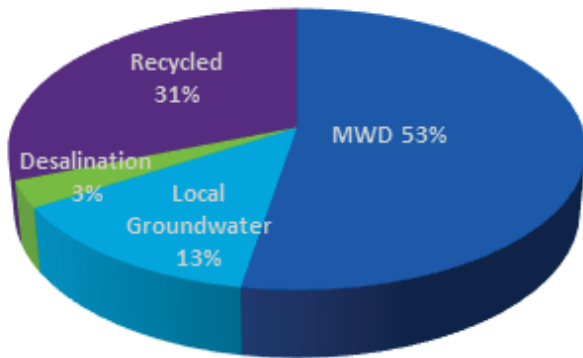
The District's total water supply includes 15 percent local groundwater, 49 percent imported water and 36 percent recycled water. The sole source of the District's imported water is MWD.

The District has made significant efforts to provide a safe and reliable supply of water and diversify the sources of water. In 2009, the District received 53 percent of its water through purchases from MWD, which in turn obtains its water supply from two primary imported sources: the Colorado River via the Colorado River Aqueduct and the State Water Project via the Edmund G. Brown California Aqueduct. In 2019, the District's level of imported water was 49 percent of supply as a result of investments in local groundwater, desalination, and recycled water improvements.

Historical Water Supply Sources

(2009)

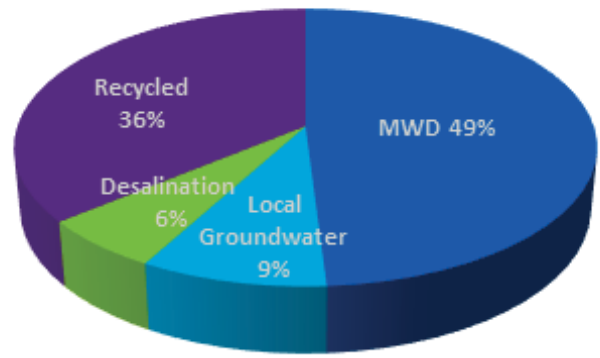
145,968 AF



Current Water Supply Sources

(2019)

132,400 AF



SEWER AND RECYCLED WATER SERVICES

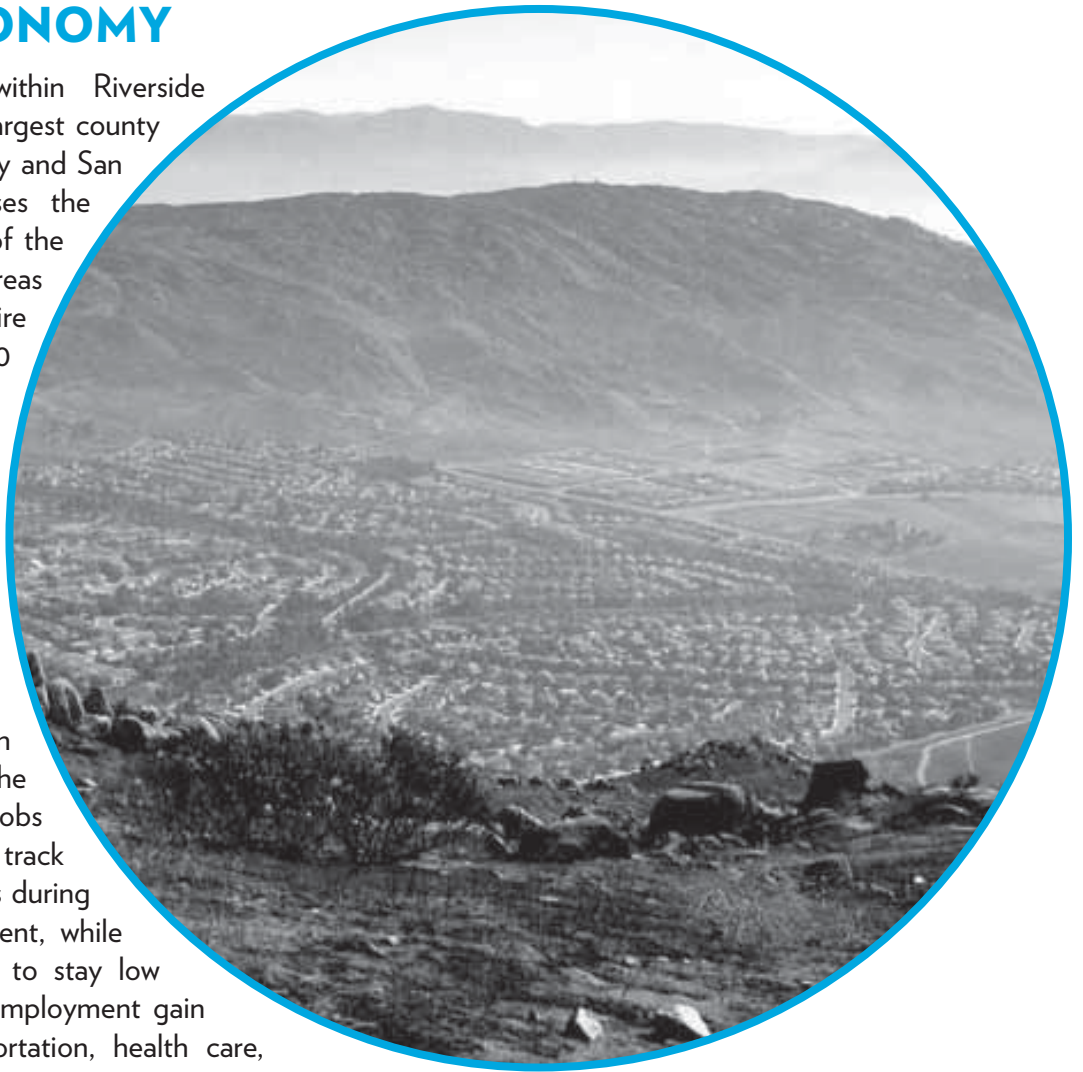
For the purposes of transmission, treatment and disposal of wastewater, the District is divided into five sewer service areas: Hemet/San Jacinto, Moreno Valley, Sun City, Temecula Valley, and Perris Valley. Each service area is served by a single regional water reclamation facility (RWRF), for which methods of treatment vary. The facilities are capable of treating 69 million gallons per day (MGD) of wastewater and serve approximately 839 thousand people. Customers' monthly bills include a daily service charge based on household size, which covers the fixed and variable costs of operating the sewer system and contributions to infrastructure replacement costs. They are linked through a network of 1,831 miles of pipeline and 50 active lift stations.

The District currently generates approximately 45 MGD of effluent at its regional water reclamation facilities. The District's goal is to reuse 100 percent of the water from the treatment plants and offer recycled water for sale to customers within the District's service area. In doing so, the District reduces the need to import water or to use other local groundwater supplies. In 2019, approximately 25,811 acre feet or 53.5 percent of recycled water produced was sold to customers. This was lower than anticipated due to the unusually heavy rainfall amounts in the first quarter of the calendar year 2019.



THE LOCAL ECONOMY

The District is located within Riverside County which is the fourth largest county in the State. Riverside County and San Bernardino County comprises the Inland Empire which is one of the fastest growing metropolitan areas in the nation. The Inland Empire covers approximately 27,000 square miles with a population of about 4.5 million. Job growth in the region exceeded those of the State and other areas in Southern California from 2011 to 2015. In 2018, the Inland Empire's job growth of 49,308 ranked second after Los Angeles' 60,908 jobs and above San Francisco's 33,067 jobs. The region gained 352,208 local jobs from 2011 to 2019 and is on track to exceed the number of jobs during the 2007 peak by 18.2 percent, while unemployment is forecasted to stay low at 4.2 percent. Sectors of employment gain included distribution, transportation, health care, construction and logistics.



The Inland Empire is an affordable housing alternative to the higher priced homes in the coastal regions of Southern California and is expected to continue as the fastest growing part of Southern California over the next few years due to homes having more space and being more affordable. The region has continued to see a steady increase in real estate prices due to low inventory of houses for sale and increasing demand resulting from higher income and migration to the region. The median price of homes has registered steady gains since the economic recovery began and as of the fourth quarter of 2017, the area's median home price was 9.0 percent higher than the prior year. As of the third quarter of 2018, the Inland Empire's 7 percent increase in home prices have outpaced neighboring regions, including Los Angeles County, 5.6 percent, Orange County, 5.9 percent and the State, 5.9 percent. In the beginning of 2017, home sales in Riverside County increased 9.9 percent and in San Bernardino, 6.7 percent. In 2018, home sales in the region decreased 6.7 percent from 2017 due to lack of supply and higher mortgage rates. Non-residential construction, which was depressed from 2009 to 2012, bounced back in 2013 with an increase of new investment in the retail and industrial sectors with several large infrastructure projects and notable growth in the warehousing sector. Permitting for industrial space grew the most in Riverside County, increasing 365 percent year to date through the second quarter of 2017. During the first three quarters of 2018, the total value of building permits increased 20.5 percent.

Business activity in the Inland Empire advanced in the third quarter of 2018 and is projected to continue its growth in the near future. From the third quarter of 2017 to the third quarter of 2018, the region has outperformed the nation with business activity growing by 3.2 percent compared to 3.0 percent growth for the U.S. GDP. In the third quarter of 2018, the Inland Empire's business activity expanded at a 3.2 percent annualized rate only behind the U.S. GDP growth rate of 3.5 percent. The construction sector had a strong year in 2017 and continues to grow in 2018 due to strong demand for housing and other construction activities including building of roadways, other transportation projects and massive e-commerce centers. Most e-commerce centers in Southern California are built in the Inland Empire, including Amazon's 10 e-commerce centers with two more to build.

Riverside County's property assessment roll for the fiscal year 2019 has exceeded the record set in fiscal year 2008 with a value of \$286 billion, a 6.3 percent increase over fiscal year 2018. This is the sixth consecutive year of growth, exceeding the County's peak assessment roll of \$242.9 billion in 2008.

The District's property assessment roll for its service areas increased \$4.7 billion or 6.7 percent in fiscal year 2019. Its service areas include the cities of Temecula, Murrieta, Menifee, Hemet, San Jacinto, and Moreno Valley, Perris, Wildomar and unincorporated areas in Riverside County. The largest growth among the District's incorporated service areas are in the cities of Perris, 10.9 percent; Menifee, 9.1 percent; and San Jacinto, 8.0 percent.

The District is conveniently accessible by truck and rail service from several significant national and international cargo facilities including the Port of Los Angeles/Long Beach complex, Los Angeles International Airport, Ontario International Airport, and Port of San Diego. Additionally, the March Air Reserve Base (March ARB), a 12 square-mile airfield and logistics center, is located in the District.

SOUND FINANCIAL POLICIES AND PRACTICES

The District continues to manage funds to ensure financial stability and demonstrate responsible stewardship by sustaining reasonable rates for customers, containing costs through careful planning, preserving investments, safeguarding reserves, and active debt management.

WATER AND SEWER RATES

In 2017, the District completed a cost of service study resulting in a new rate structure, moving from tiered water rates aligned to indoor and outdoor water budgets to new tiered water rates aligned to the District's sources of water supply. The objectives of the study were to simplify and develop a consistent rate structure for all customers, to provide sufficient revenue for the District to recover operations and maintenance costs incurred in providing water service and to proportionately allocate these costs among customers. This new water rate structure was adopted by the Board in December 2017 with an effective date of January 1, 2018.

Within Budget	Indoor Usage Budget Persons x 55 GPD	20%	Tier 1: \$1.07
	Outdoor Usage Budget Irrigated Area x ET Factor x Conservation Factor	80%	Tier 2: \$3.43
Over Budget	Excessive Use Up to 50% over budget		Tier 3: \$5.67
	Wasteful Use More than 50% over budget		Tier 4: \$11.59

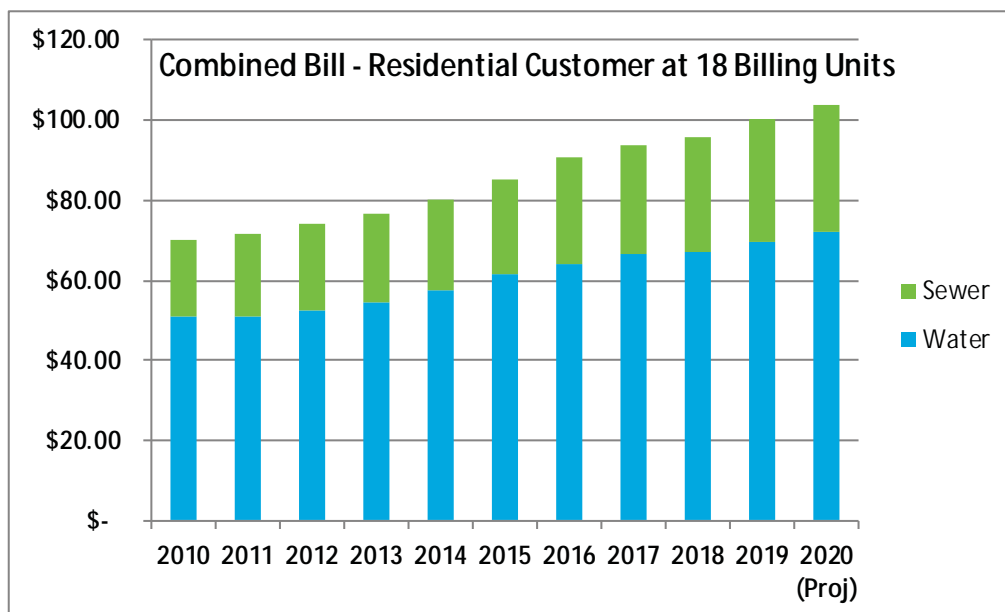
The use of water budgets for the District’s residential customers was first implemented in 2009. These customers received a monthly water budget allocation customized to meet their household and landscape irrigation needs. Effective January 1, 2018, under the new rate structure, customers continued to receive water budgets based on household and landscape size, however, these budgets no longer align with a specific rate. The amount of water billed for each tier is now based on the availability of the District’s water supply sources such as groundwater, treated groundwater and imported water. All residential customers are billed at the low volume, Tier 1 rate for the first twenty percent of their monthly budget, according to the proportional amount of local, low cost water supplies available. The remaining portion of the water budget is billed at the Tier 2 budgeted rate for budgeted supplies and the Tier 3 and Tier 4 rates cover usage in excess of the total budget. With the new rate structure, water efficient households realize cost savings and customers who stay within their water budgets pay the lowest cost for water.

The Board approved increases in these charges recover the cost in the water rate structures’ three primary charges, the daily service charge based on water meter size, the water supply and reliability capital charge that supports the District’s ongoing capital projects and the water use or commodity rates charged for each unit of water used (tiered rate). The impact to a typical water bill is approximately \$2.50 per month in 2019 and \$2.45 in 2020.

Effective January 1, 2019, sewer rates increased to recover the cost to collect, treat and recycle or dispose of wastewater. The sewer system capital projects charge also increased to provide funds for future sewer system capital improvement projects essential for maintaining the District’s four water reclamation facilities and meeting regulatory and environmental requirements. The impact to a typical sewer bill is approximately \$1.77 per month in 2019 and \$.91 per month in 2020.

The District’s sewer rates are calculated using a baseline daily service charge and block factors based on household occupancy. Residential customers are assigned from one to four sewer blocks depending on number of people in the household. The new sewer rate structure better reflects the demands on the sewer system based on updated customer data. Blocks 1 and 4 proportions are reduced and is expected to result in cost savings with a minimal increase in rates.

The chart below reflects the monthly charges for an average four-person household residential customer with an average monthly consumption of eighteen billing units (ccf):



WATER USE EFFICIENCY

The District has established itself as a statewide leader in water use efficiency and continues to promote water conservation through investments in infrastructure, technology, education and community outreach programs.

In 2009, the District first implemented the use of water budgets for its residential customers. The tiered water rate structure was designed to promote water conservation by encouraging efficient water use and discouraging wasteful water usage. All residential customers received a monthly water budget allocation customized to meet their specific household and landscape irrigation needs. The rate structure set budgets for indoor usage, outdoor usage and usage in excess of the total budget.

In 2017, the Board adopted a new water rate structure, adjusted to meet new State standards that call for making water efficiency a permanent way of life. The changes maintained the principles behind the District's rate structure, reflecting the cost of service while rewarding customers who use less and penalize those who are wasteful.

In 2019, the District launched its WaterWise Plus program, a comprehensive and forward thinking program designed to assist customers and partner agencies with finding new and cost effective ways to become more water efficient. The program integrates existing water use efficiency based programs with long-term solutions that are promoted regardless of drought conditions. These programs help customers make lifestyle changes to their water use habits resulting in becoming more efficient with their water use, gaining a better understanding of their water usage and making them better able to manage their monthly bills.

The District offers a wide range of programs for residential customers, including participation in the Metropolitan Water District of Southern California's turf removal rebate program, District offered water efficient devices and the District's Demonstration Garden which is available for customers to view to obtain ideas on various water efficient and sustainable landscape options.

The District is also working with government agencies and the business community to develop long-term sustainable approaches to see the benefits that the average residential customers may realize. It is partnering with the cities it serves in introducing a landscape transformation program, promoting investments in climate appropriate landscaping in commercial, industrial and institutional areas through turf replacement programs. The District is also partnering with its local agricultural customers to better understand current irrigation practices and to incorporate programs that will further assist local farmers in managing their water use.

The District is an industry leader in recycled water, one of the largest by-volume recyclers in the nation and one of the few agencies that achieves 100 percent beneficial reuse. Its recycled water system receives and treats more than 45 million gallons of wastewater each day at its four operating regional treatment plants. About 75 percent of the District's production is sold to agricultural, irrigation, landscaping and industrial customers. It also serves several schools, parks, cities and county streetscaping, HOA landscape areas, golf courses, wetlands habitat areas and industrial cooling towers. The District has the ability to store more than two billion gallons of recycled water. With significant urban development, it is prepared to manage the increase in recycled water production and is securing the regions' water future through Water Banking and its groundwater reliability efforts.



FINANCIAL PLANNING

The Board approves a biennial budget as a management tool. The biennial budget is developed with input from the various departments within the organization and adopted prior to the start of each fiscal year. Monthly comparison reports of budget to actual are prepared, and quarterly budget-to-actual results by system are provided to and discussed with the Board, along with financial position and other key performance information.

The District prepares a five-year financial plan to anticipate funding needs, reserve levels, and expected impacts to rates. A key component to the plan is the District's Capital Improvement Plan (CIP), which calls for total expenses for water, sewer and recycled water facilities of approximately \$398.3 million for the fiscal years 2020 through 2024. The CIP is expected to be financed through a combination of property taxes, developer connection fees, rates and charges, publicly financed bond proceeds, reserves, grants and low-interest loans from the California State Revolving Fund. The CIP is modified on an annual basis to reflect updated assumptions regarding future growth within the District's service area.

RESERVE POLICY

The District adopted a reserve policy, which states the purpose, source, and funding limits for each of its designated reserves within its four main funds: operating, construction, debt service, and trust. The reserves are essential for maintaining liquidity in the marketplace, which enables the District to access the lowest cost-of-capital borrowing opportunities.

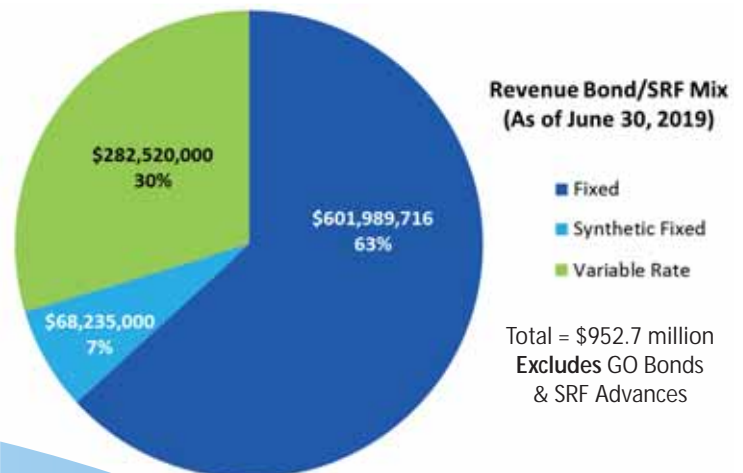
ADMINISTRATIVE CODE AND INVESTMENT POLICY

In 2013, the Board of Directors adopted an Administrative Code, which incorporates various policies and administrative duties. The District previously adopted an Investment Policy, which was incorporated into the Administrative Code. The District invests its funds in instruments permitted by California Government Code Sections 53601, et seq., and in accordance with its Investment Policy. The investment objectives of the District are to first preserve capital, followed by maintaining liquidity, and finally, maximizing the rate of return without compromising the first two objectives.

DEBT ADMINISTRATION

The District actively manages its debt portfolio, and seeks to minimize its total debt costs. This goal is achieved by issuing both fixed and variable rate debt to fund its capital projects. The District has primarily issued certificates of participation (COPs), revenue bonds (Bonds), and has borrowed from state revolving fund (SRF) loans to fund its CIP. As of June 30, 2019, the District's total revenue bonds and SRF loans outstanding was \$952.7 million of which 63 percent were fixed interest rate, 30 percent were variable interest rate and 7 percent were synthetically fixed through Swap agreements with Wells Fargo Bank, for an overall weighted average cost of funds of 2.23 percent.

The District's parity revenue bond debt has been assigned AAA, Aa1 and AA+ ratings and the subordinate revenue bonds have been assigned ratings of AA+, Aa2, and AA+ from Fitch Ratings, Moody's Investors Service, Inc. and S&P Global Rating's Services, respectively. More information about the District's long-term debt and other noncurrent liabilities is presented in Note 4 to the Basic Financial Statements.



MAJOR INITIATIVES

The District is driven by standards to provide safe, reliable, economical and environmentally friendly services. These standards and services include highly reliable water, wastewater service and recycled water service, protection of public and environmental health, superior customer service, sound planning and operational efficiency, fiscal responsibility and appropriate investment, exemplary employer and effective communication, advocacy and community partnerships.

HIGHLY RELIABLE WATER, WASTEWATER, WATER AND RECYCLED WATER SERVICE

To provide a safe, reliable and cost-effective water supply portfolio that is sustainable and achieves an optimum balance of water resources including imported water, surface water, groundwater, wastewater treatment, reuse and resource recovery, the District identified and invests in the following initiatives:

GROUNDWATER RELIABILITY PLUS INITIATIVE

Current and future growth within the District's service area increase demands for sustainable local water supplies. The District is committed to a comprehensive and collaborative approach toward its local groundwater resources through its Board adopted Groundwater Reliability Plus Initiative to promote long-term water supply reliability. The



GROUNDWATER RELIABILITY PLUS

Securing Our Water Future

District currently operates 14 active potable wells and 12 active desalter wells that provides 15 percent of its water supply portfolio. This number is anticipated to grow in the future through the Groundwater Reliability Plus Initiative, a comprehensive approach to groundwater management with the goal of continually improving the quality and quantity of water in the District's local groundwater basins. This initiative ensures that the District can meet the long-term needs of its service area through expanded groundwater services, including desalination, replenishment of aquifers and the protection of water quality through environmental health initiatives.

SANTA ANA RIVER CONSERVATION AND CONJUNCTIVE USE PROGRAM (SARCCUP) – WATER BANKING

The District is one of five member agencies of the Santa Ana Watershed Project Authority (SAWPA) that is participating in a first of its kind regional groundwater banking program known as the Santa Ana River Conservation and Conjunctive Use Program (SARCCUP). This multi-agency watershed wide program will bank imported water to enhance water supply reliability and increase available dry year supplies in the Santa Ana River Watershed. The program will also integrate water conservation measures, habitat enhancements and recreational use. It will develop dry year yield by banking wet year water with 180,000 acre feet capacity over a ten year period. The District will implement the San Jacinto Basin component of the program by storing 19,500 plus acre feet of wet year water per ten-year period. The District will install a one mile educational hiking trail and forty acres of open space in the form of a recharge basin in the Santa Ana River Watershed. The five participating agencies include the District, Inland Empire Utilities Agency (IEUA), Orange County Water District (OCWD), San Bernardino Valley Municipal Water District (SBVMWD) and Western Municipal Water District (WMWD).

This \$22.9 million project is partly funded by a \$12.7 million Proposition 84 Integrated Regional Water Management Program (IRWMP) grant from SAWPA and is estimated to be completed in August 2022.

PERRIS II REVERSE OSMOSIS TREATMENT FACILITY – DESALINATION

The Perris II Reverse Osmosis (RO) Treatment Facility Project is a multi-phase project that will produce potable water from the contaminated Perris South Water Groundwater Management Zone. The project consists of construction of RO treatment process facilities, four water supply wells, pipelines and additional treatment trains at the RO treatment facilities. The Perris II Desalter will treat degraded groundwater from the West San Jacinto Basin so that the water can be used for potable purposes within the District's service area. The facility will be constructed adjacent to the two existing desalters, the Menifee and Perris I Desalter. The Perris II Desalter, which will initially produce 3.6 million gallons per day, will be equipped to support expansion to a capacity of 5.4 million gallons per day, meeting the potable water demands of up to 12,000 homes in the Perris and Menifee service areas.

The District was successful in securing a \$22.5 million Proposition I Groundwater grant funding from the State Water Resources Board in July 2018 to partly fund this \$41.0 million project. A Local Resources Program (LRP) agreement from the Metropolitan Water District (MWD) was also secured to provide a subsidy of \$305 per acre foot up to 5,500 acre feet every year over twenty five years. If the maximum amount of groundwater is recovered for beneficial use, MWD will subsidize \$41.9 million for the 137,500 acre-feet. The LRP program is an incentive program for MWD member agencies to produce water that would otherwise be supplied by MWD. The District broke ground for the new Perris II facility on March 28, 2019. This facility becomes its third desalination facility and construction is expected to be completed in mid-2021.

TEMECULA VALLEY REGIONAL WATER RECLAMATION FACILITY EXPANSION

In 2016, the District's Temecula Valley Regional Water Reclamation Facility (TVRWRF), located in the central commercial area of Temecula, began a 5 million gallons per day (MGD) wastewater treatment capacity expansion project, bringing the total capacity to 23 MGD once completed in 2020. This increased capacity is needed to accommodate growth in the region. The facility's expansion will include new primary, secondary, tertiary, solids handling and effluent pumping facilities and storage.

The District received \$95.3 million in funding from the State Water Resources Control Board to partly fund the \$120 million Recycled Water Supply Optimization project. The funding includes a Proposition 1 grant and a State Revolving Fund loan. The Recycled Water Optimization Project, which will expand the District's recycled water portfolio, includes the Temecula Valley Regional Water Reclamation Facility expansion project which was substantially completed June 2019 with final work expected to be completed in August 2020.



SOUND PLANNING AND OPERATIONAL EFFICIENCY

To deliver the highest quality products and services in a cost-effective manner by leveraging workforce, technology and business partnerships to implement industry leading processes and practices.

ENERGY EFFICIENCY PROGRAMS

The District continues to actively pursue alternative sources of energy and electrical power supply to address capacity issues and cost of electrical power by investing in solar, digester gas, fuel cell technology and microturbines.

Solar power generation systems are installed at the Perris, Moreno Valley, Temecula, San Jacinto and Sun City facilities. These facilities benefit from an average of 30 percent of its energy usage provided through the solar power generation systems that produce an average of 1,000 kW of power at each site. These solar systems are anticipated to save ratepayers over \$1.0 million over the life of the systems.

Digester gas driven fuel cells are installed at the District's Moreno Valley and Perris Valley regional water reclamation facilities. These fuel cells, which operate on renewable fuel, provide 25 to 40 percent of these facilities' energy requirements, produce zero emissions cutting greenhouse gases by more than 10,600 tons annually and save an estimated \$1.0 million annually on energy costs.

The District currently has nine 60 kW **microturbines** which provide additional power generation that save more than \$300,000 each year. The exhaust from these microturbines heats water necessary to power a 150-ton air conditioning unit.

AUTOMATED METERING INFRASTRUCTURE

The District's Automated Meter Infrastructure (AMI) project, a multi-year project authorized by the Board of Directors in December 2014 was completed in May 2019. A total of 155,000 water meters have been replaced by automated (smart) meters. These smart meters will improve customer service options, save on labor costs and minimize water loss. In 2017, the District started the three-year accelerated AMI Expansion project which included the installation of



44,000 meters during the year. AMI technology provides a remote data link between the meters and the District for real time monitoring and allows hands free meter reading resulting in more efficient water reads, eliminating the need to manually read water meters each month with an estimated reduction in mileage driven by District fleet vehicles by about 170,000 miles each year. The smart meters installed, used in conjunction with the District's existing AMI Tower Gateway and Meter Data Management System, will provide daily and up to date customer water usage information and analysis through an online portal that will enable customers to track their water usage in real time, project their monthly bills and identify potential leaks in their property. Continuous and early leak detection is a component of water conservation. Projected water savings from the project is 1,945 acre feet each year with an associated energy savings of 47.1 million kilowatt hours (kWh) per year and water savings of 3,649 acre feet ongoing per year achieved after five years with an associated 88.4 kWh per year. This \$14 million AMI program is funded in part by grants from the California Department of Water Resources for programs that increase water conservation and energy savings and reduce carbon emissions.

ALTERNATIVE FUEL VEHICLE FLEET

As part of the its effort to expand its clean energy fleet, reduce its carbon footprint and adapt to a changing regulatory environment for vehicle emissions, the District has recently expanded its clean energy fleet through the purchase of three new compressed natural gas (CNG) powered vactor trucks for wastewater collections operations. These three new trucks are in addition to an already expanding list of alternative fuel vehicles. Six new CNG vehicles will be received and added to the fleet in fiscal year 2020. These vehicles include heavy duty service trucks, dump trucks and a water tank. Other clean energy vehicles in the fleet include one hybrid vehicle, four plug-in hybrid vehicles and one all electric vehicle. As existing vehicles reach the end of their service life, they will be replaced with clean energy vehicles. The District has a ten-port electric vehicle charging station and also uses public, accessible CNG charging stations.

SUPERIOR CUSTOMER SERVICE

The District is committed to consistently exceed customer expectations in all facets of its service through customer awareness, service and technology.

EXCELLENT SERVICE

In June 2018, the District was presented the prestigious, nationally known J.D. Power and Associates Award for having the highest customer satisfaction in the western United States and the sixth highest customer satisfaction score in the nation based on their 2018 Water Utility Residential Customer Satisfaction Survey. The Water Utility study measures satisfaction of residential customers of utilities delivering water to at least 400 thousand people, the District serves approximately 827,000 people in its service area. Customer Satisfaction is gauged by measuring 33 attributes within six factors: delivery, price, conservation, billing and payment, communications and customer service. The District was also recognized as highest in customer satisfaction among all participating agencies for its customer communication efforts. The study was conducted among nearly 40,000 respondents nationally who are served by the 88 water systems that deliver water to more than 400 thousand people.



COMMUNITY OUTREACH

In April 2019, the District was presented with two Excellence in Public Information and Communications awards through the California Association of Public Information Officials (CAPIO). The District was recognized for its Water Tax Education and Healthy Sewers campaigns.

The District is among the statewide leaders in educating customers about the potential Water Tax and proposing alternative, tax-free solutions to the issue of providing safe and reliable drinking water to areas that have failing systems. Its Healthy Sewer Program is a public education program that promotes the responsible disposal of prescription medication and fats, oils and grease. By reducing contaminants in the wastewater collection system, the District can reduce treatment costs, help sustain a high quality recycled water supply and ultimately protect future groundwater quality.

In addition to the CAPIO awards, the District received five awards from the Public Relations Society of America's Inland Empire Chapter for Outstanding Community Outreach. These award winning programs, which signify the highest standards of performance and outstanding public relations tactics and programs, include the Water Bottle Fill Station Program, the Education Program, the Water Leaders Academy Program, the Healthy Sewers Program and the Employee Photo Contest Program.

EDUCATION

The District's award winning Education Program is actively engaged in fostering and understanding of water and wastewater issues and promoting wise water use among students at all grade levels, from K to 12. Its extensive education program provides interested schools within the District's service area complimentary lesson plans, curriculum packets, materials and a host of other activities and programs. The District sponsors annual poster and write-off contests open to students in K-middle schools with different yearly themes including water conservation and being sewer smart. Other activities offered include field trips to District facilities which are open to school districts and private schools within the District's service area, these trips are popular and are fully booked in advance of the school year end. For high school students, the District partners with the Metropolitan Water District (MWD) by annually sponsoring teams to the Solar Cup competition. The competition is a solar-powered boat race where students design, build and race solar-powered boats allowing the use of alternative power and also allowing the students to understand the project based learning and teamwork. Other District sponsored education programs include complimentary bird walks, education videos, paper and electronic books and student recognition events.

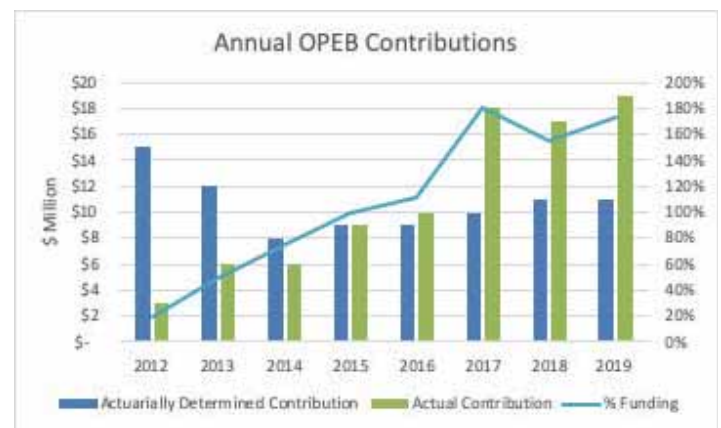


FISCAL RESPONSIBILITY AND APPROPRIATE INVESTMENT

To District continues to focus its efforts in areas that will ensure financial stability and demonstrate responsible stewardship of public funds.

OTHER POST-EMPLOYMENT BENEFITS

The District established a funding policy to fund its retiree health program through the California Employers' Retiree Benefit Trust (CERBT) and started funding in fiscal year 2013 with a goal to achieve full funding by fiscal year 2034. The District began funding future costs in July 2012 and July 2013 with initial \$2.8 and \$5.7 million deposits to CERBT. In fiscal year 2014, the District implemented a new tier of OPEB benefits for future hires that will dramatically improve the plan funding and viability over the long term. In addition, the District adopted funding policy principles that direct how the OPEB Trust will be funded over time, in accordance with sound funding principles. Commencing in fiscal year 2015, the District made its full Actuarially Determined Contribution (ADC) and intends to continue to do so until its OPEB obligations are fully funded. In fiscal years 2017, 2018 and 2019, the District's contributions to the Trust exceeded the ADC by \$7.5 million, \$6.5 million and \$7.6 million, respectively. As of June 30, 2018, the District's OPEB Liability was 50 percent funded, this was substantially sooner than anticipated when the OPEB funding policy principles were adopted by the Board of Directors.



ACCOUNTING SYSTEMS

The Finance Department is responsible for providing the financial services for the District, including financial accounting and reporting, payroll and accounts payable, custody and investment of funds, billing and collection of water and wastewater charges, taxes, and other revenues. The District's books and records are maintained on an enterprise basis, as it is the intent of the Board to manage the District's operations as a business, thus matching the revenues against the costs of providing the services. Revenues and expenses are recorded on the accrual basis in the period in which the revenue is earned and the expenses are incurred.

INTERNAL CONTROLS

The District's management is responsible for establishing and maintaining a system of internal controls designed to safeguard the District's assets from loss, theft, or misuse and to ensure that adequate accounting data is compiled

to allow for the preparation of financial statements in accordance with GAAP. Management follows the concept of reasonable assurance in recognizing that the cost of a control should not exceed the benefits likely to be derived and that the valuation of costs and benefits requires estimates and judgments. The most recent audits have not uncovered any weaknesses in internal control that would cause concern. However, recommendations for improvement are always welcome and are implemented where feasible.

AWARDS AND ACKNOWLEDGEMENTS

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the Eastern Municipal Water District for its comprehensive annual financial report for the fiscal year ended June 30, 2018. This was the fifteenth consecutive year that the District has received this prestigious award. To be awarded a Certificate of Achievement, the District must publish an easily readable and efficiently organized comprehensive annual financial report. This report must satisfy both generally accepted accounting principles and applicable legal requirements.

A Certificate of Achievement is valid for a period of one year only. We believe our current comprehensive annual financial report continues to meet the Certificate of Achievement Program's requirements and we are submitting it to the GFOA to determine its eligibility for another certificate.

The preparation of this report would not have been possible without the skill, effort, and dedication of the entire staff of the Finance department. We wish to thank all departments for their assistance in providing the data necessary to prepare this report. We would also like to thank the Board of Directors for their unfailing support for maintaining the highest standards of professionalism in the management of the District's finances.

Note: Statistical information provided in this letter include the following sources: Eastern Municipal Water District, United States Department of Labor Statistics, Dr. John Husing's Quarterly Economic Report, County of Riverside Assessor 2018-2019 Annual Report, Economic Forecast and Industry Outlook, Institute For Applied Economics, PPIC, the Press Enterprise and the California Department of Transportation.

Respectfully submitted,



Paul D. Jones II, P.E.

General Manager



Government Finance Officers Association

Certificate of
Achievement
for Excellence
in Financial
Reporting

Presented to

**Eastern Municipal Water District
California**

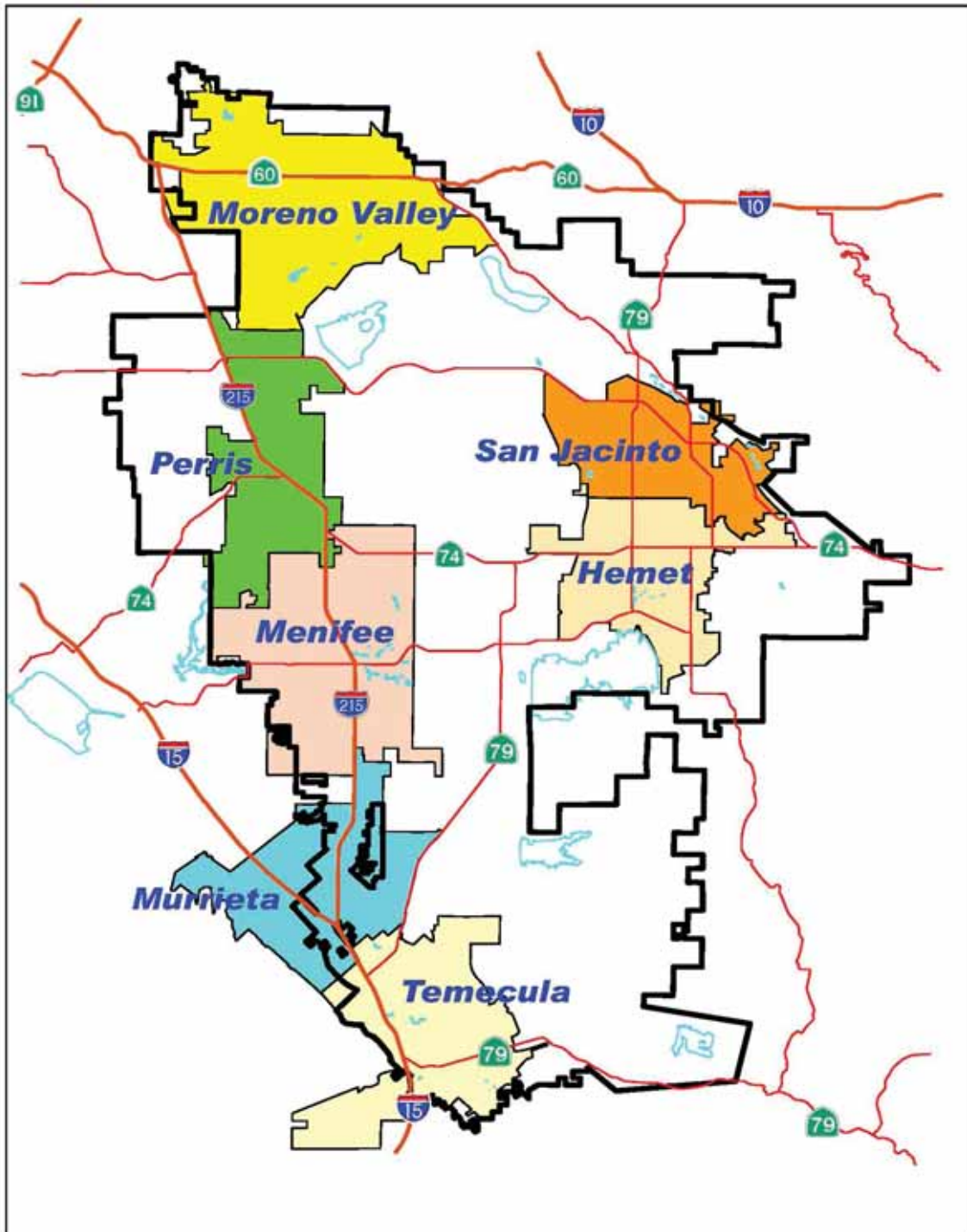
For its Comprehensive Annual
Financial Report
for the Fiscal Year Ended

June 30, 2018

Christopher P. Movill

Executive Director/CEO

SERVICE AREA MAP AND INCORPORATED CITIES



EASTERN MUNICIPAL WATER DISTRICT LIST OF ELECTED & APPOINTED OFFICIALS

June 30, 2019

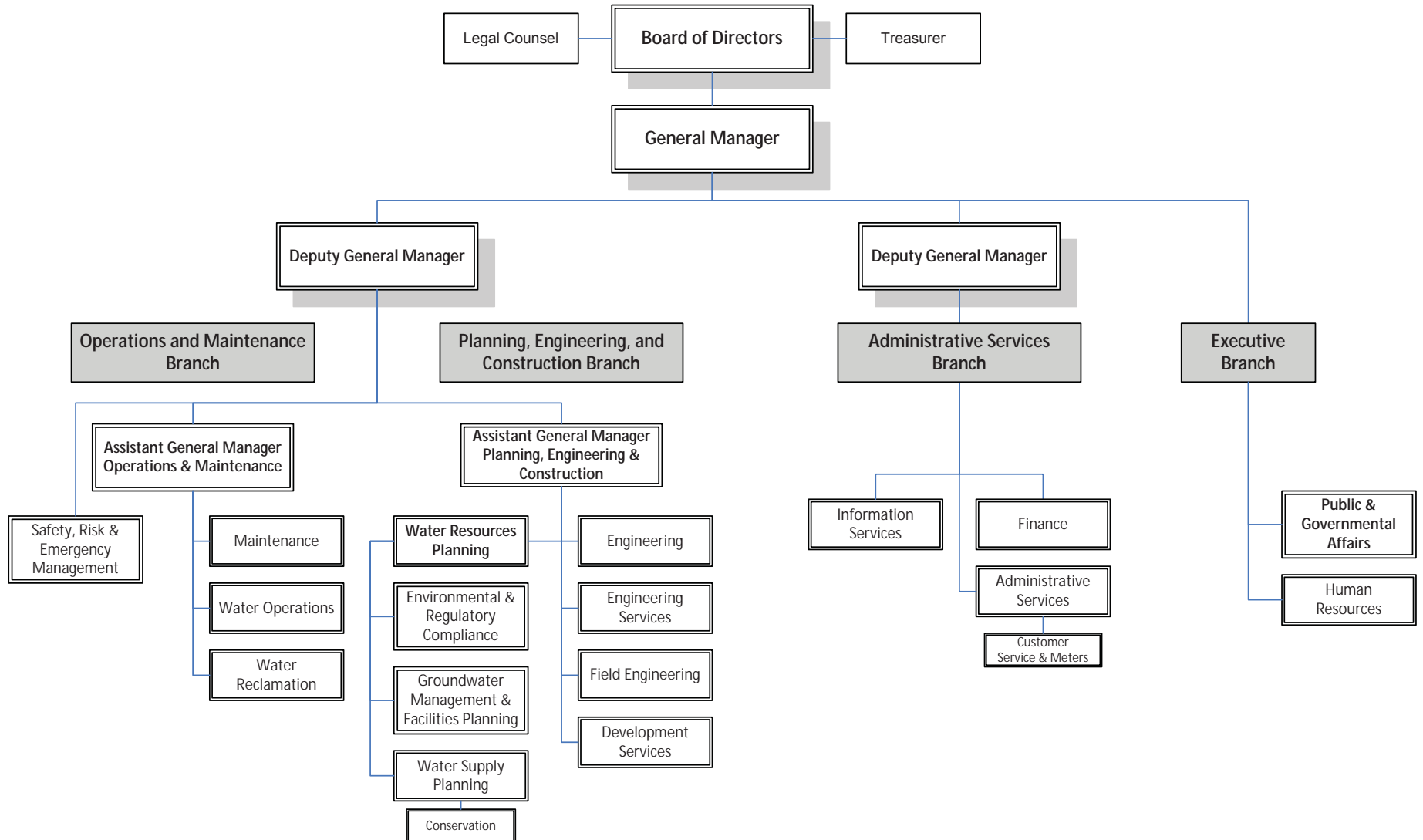
BOARD OF DIRECTORS

Position	Name	Elected	Current Term of Office
President	Ronald W. Sullivan	1/2003	2017 - 2021
Vice President	Philip E. Paule	1/2007	2019 - 2023
Director	Stephen J. Corona	1/2019	2019 - 2023
Director	David J. Slawson	1/1995	2019 - 2023
Director	Randy A. Record	1/2001	2017 - 2021


EXECUTIVE MANAGEMENT

Position	Name
General Manager	Paul D. Jones II, P.E.
Deputy General Manager	Laura M. Nomura, CPA
Deputy General Manager	Nicolas Kanetis, P.E.
Assistant General Manager	Jeff D. Wall, P.E.
Assistant General Manager	Joe Mouawad, P.E.

Eastern Municipal Water District DISTRICT ORGANIZATIONAL CHART



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EMWD completed work on a modern sewer system in the Quail Valley area of Menifee, marking the end to a long-awaited project that will protect water quality in the region. The project connected 215 properties to the sewer system and was paid for through grant funding from a variety of agencies, including the State Water Resources Control Board, Santa Ana Watershed Project Authority and the Santa Ana Regional Water Quality Control Board.

FINANCIAL SECTION

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Davis Farr LLP
2301 Dupont Drive | Suite 200 | Irvine, CA 92612
Main: 949.474.2020 | Fax: 949.263.5520

Independent Auditor's Report

Board of Directors
Eastern Municipal Water District
Perris, California

Report on the Financial Statements

We have audited the accompanying financial statements of the Eastern Municipal Water District (the District) as of and for the year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise the District's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express opinions on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the District's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the District's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the District as of June 30, 2019, and the respective changes in financial position and cash flows thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Report on Summarized Comparative Information

We have previously audited the District's 2018 financial statements, and we expressed an unmodified opinion on those audited financial statements in our report dated November 8, 2018. In our opinion, the summarized comparative information presented herein as of and for the year ended June 30, 2018, is consistent, in all material respects, with the audited financial statements from which it has been derived.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the *Management's Discussion and Analysis, Schedule of Changes in Net Pension Liability and Related Ratios During the Measurement Period, Schedule of Pension Plan Contributions, Schedule of Changes in Net OPEB Liability and Related Ratios for the Measurement Period, and the Schedule of OPEB Contributions* be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the District's basic financial statements. The *introductory section* and the *statistical section* are presented for purposes of additional analysis and are not a required part of the basic financial statements. Such information has not been subjected to the auditing procedures applied in the audit of the basic financial statements, and accordingly, we do not express an opinion or provide any assurance on it.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated November 13, 2019 on our consideration of the District's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the District's internal control over financial reporting and compliance.

A handwritten signature in blue ink that reads "Davis Fan" followed by a stylized flourish.

Irvine California
November 13, 2019

MANAGEMENT'S DISCUSSION AND ANALYSIS

On behalf of the Eastern Municipal Water District (the "District"), we are pleased to offer the following narrative overview and analysis of the financial activities of the District for the fiscal year ended June 30, 2019. We encourage all readers of the District's financial statements to consider the financial information presented in this section in conjunction with the accompanying financial statements, notes, analyses, and additional information furnished in our letter of transmittal at the opening of this report.

FINANCIAL HIGHLIGHTS

Total assets and deferred outflow of resources of the District exceeded its liabilities and deferred inflow of resources at the close of fiscal year 2019 by \$1,636.8 million (net position). The District's net position, which increased \$87.9 million or 5.7 percent from the prior fiscal year includes net investment in capital assets, \$1,389.3 million; restricted for debt service and construction, \$92.6 million and unrestricted, \$154.9 million.

Total revenue and capital contributions exceeded operating and non-operating expenses by \$87.9 million (change in net position) for the fiscal year 2019. The change in net position is \$55.2 million higher than the prior year due to increases in non-operating revenues of \$17.6 million or 15.2 percent and increases in capital contributions of \$35.3 million or 164.7 percent.

OVERVIEW OF THE FINANCIAL STATEMENTS

The District's basic financial statements include a statement of net position, statement of revenues, expenses and changes in net position, and a statement of cash flows and notes to the basic financial statements. This report also includes other supplementary information in addition to the basic financial statements.

- *Statement of Net Position:* This statement presents information on all of the District's assets and liabilities, and deferred outflows/inflows of resources, with the difference reported as net position. Increases or decreases in net position may serve as a useful indicator of whether the financial position of the District is improving or deteriorating.
- *Statement of Revenue, Expenses and Changes in Net Position:* This statement presents information on the District's current fiscal year's revenue and expense. All changes in net position are reported as soon as the underlying event giving rise to the change occurs, regardless of the timing of the related cash flows. Thus, revenues and expenses are reported in this statement for some items that will result in cash flows in future fiscal years.
- *Statement of Cash Flows:* This statement provides relevant information about the District's cash receipts and cash payments segregated among operating, capital and related financing, and investing activities.
- *Notes to the Basic Financial Statements:* These notes provide a description of the accounting policies used to prepare the financial statements and present material disclosures required by generally accepted accounting principles that are not otherwise present in the financial statements.

MANAGEMENT'S DISCUSSION AND ANALYSIS (con't)

FINANCIAL ANALYSIS

Our analysis focuses on the net position (Table 1) and changes in net position (Table 2) of the District's total activity.

TABLE 1, NET POSITION

EASTERN MUNICIPAL WATER DISTRICT STATEMENT OF NET POSITION JUNE 30, 2019 AND 2018				
	2019	2018	Increase (Decrease)	
			Amount	% Change
ASSETS				
Current assets	\$ 399,376,725	\$ 348,392,462	\$ 50,984,263	14.6%
Restricted assets	253,403,700	272,509,658	(19,105,958)	-7.0%
Net capital assets	2,305,967,041	2,273,825,780	32,141,261	1.4%
Total Assets	\$ 2,958,747,466	\$ 2,894,727,900	\$ 64,019,566	2.2%
Total Deferred Outflows of Resources	\$ 67,070,833	\$ 73,400,012	\$ (6,329,179)	-8.6%
LIABILITIES				
Current liabilities	\$ 96,033,392	\$ 94,366,284	\$ 1,667,108	1.8%
Other liabilities	215,796,604	222,656,314	(6,859,710)	-3.1%
Long-term debt outstanding	1,069,929,877	1,091,873,128	(21,943,251)	-2.0%
Total Liabilities	\$ 1,381,759,873	\$ 1,408,895,726	\$ (27,135,853)	-1.9%
Total Deferred Inflows of Resources	\$ 7,292,047	\$ 10,414,532	\$ (3,122,485)	-30.0%
NET POSITION				
Net investment in capital assets	\$ 1,389,284,069	\$ 1,349,982,180	\$ 39,301,889	2.9%
Restricted	92,561,916	103,986,806	(11,424,890)	-11.0%
Unrestricted	154,920,394	94,848,668	60,071,726	63.3%
Total Net Position	\$ 1,636,766,379	\$ 1,548,817,654	\$ 87,948,725	5.7%
Ratio of Liabilities and Deferred Inflows to Assets and Deferred Outflows of Resources	46%	48%		

MANAGEMENT'S DISCUSSION AND ANALYSIS (con't)

Comparing net position over time may serve as a useful indicator of a District's financial position. As shown on Table 1, the District's statement of net position includes assets, deferred outflows of resources, liabilities, and deferred inflows of resources. Assets and deferred outflows of resources exceeded liabilities and deferred inflows of resources by \$1,636.8 million (net position) at the close of fiscal year 2019, representing an increase of \$87.9 million or 5.7 percent from fiscal year 2018.

The ratio of liabilities and deferred inflows of resources to assets and deferred outflows of resources decreased from 48 percent in fiscal year 2018 to 46 percent in fiscal year 2019. This ratio indicates the degree to which the District's assets are financed through borrowing and other obligations.

- Total assets increased by \$64.0 million or 2.2 percent from fiscal year 2018. Net capital assets increased \$32.1 million due to the substantial completion of large construction projects including the Temecula Valley RWRf 23 MGD Expansion and the Quail Valley Subarea 9 Phase I sewer projects. These construction projects, which were largely funded by grants, resulted in increased grants receivable balance of \$26.6 million at the end of fiscal year 2019.
- Total liabilities decreased by \$27.1 million or 1.9 percent reflecting decreases of \$15.1 million in outstanding revenue bonds and \$11.1 million in net other postemployment benefits obligation. The \$15.1 million decrease in outstanding revenue bonds is a result of scheduled debt principal payments made during the fiscal year. The \$11.1 million decrease in net other postemployment benefits obligations reflects a \$17.9 million contribution to the plan and a \$3.9 million investment income, net of benefit payments, for the June 30, 2018 measurement period.

TABLE 2, CHANGES IN NET POSITION

EASTERN MUNICIPAL WATER DISTRICT
CHANGES IN NET POSITION
FOR THE FISCAL YEARS ENDED JUNE 30, 2019 AND 2018

	2019	2018	Increase (Decrease)	
			Amount	% Change
REVENUES				
Operating revenues	\$ 241,919,404	\$ 240,507,479	\$ 1,411,925	0.6%
Non-operating revenues	133,898,190	116,269,089	17,629,101	15.2%
Total Revenues	375,817,594	356,776,568	19,041,026	5.3%
EXPENSES				
Operating expenses	302,687,296	305,184,148	(2,496,852)	-0.8%
Non-operating expenses	41,846,404	40,233,012	1,613,392	4.0%
Total Expenses	344,533,700	345,417,160	(883,460)	-0.3%
Increase (Decrease) in				
Net Position before capital contributions	31,283,894	11,359,408	19,924,486	175.4%
Capital contributions	56,664,831	21,405,493	35,259,338	164.7%
Change in Net Position	87,948,725	32,764,901	55,183,824	168.4%
Net Position - Beginning of Year	1,548,817,654	1,532,531,643	16,286,011	1.1%
Effect of adoption of GASB 75	-	(16,478,890)	16,478,890	100.0%
Net Position - End of Year	\$ 1,636,766,379	\$ 1,548,817,654	\$ 87,948,725	5.7%

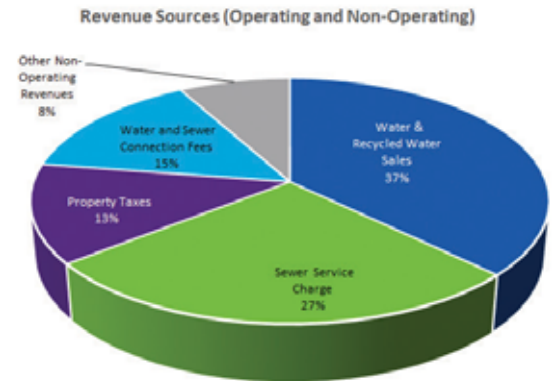
MANAGEMENT'S DISCUSSION AND ANALYSIS (con't)

CHANGES IN FINANCIAL PERFORMANCE OF THE DISTRICT

The District's statement of revenue, expenses, and changes in net position reports the results of its operations for the fiscal year ended June 30, 2019. A summary of the changes in net position for the fiscal years ended June 30, 2019 and June 30, 2018 is reported on Table 2 of the previous page.

REVENUES

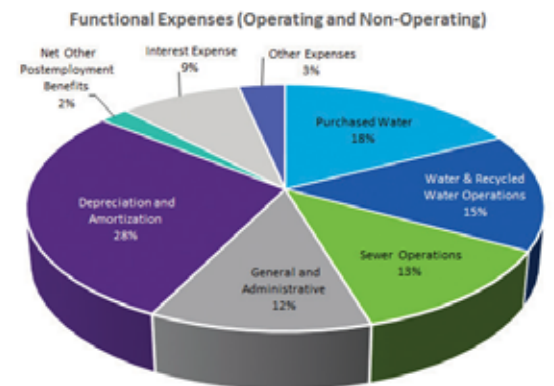
The District's operating revenues include water sales, sewer service charge and recycled water sales. Operating revenues which were \$1.4 million or 0.6 percent higher in fiscal year 2019 compared to fiscal year 2018, reflects a \$6.0 million increase in sewer service charge revenue offset by decreases of \$2.6 million in water sales and \$2.0 million in recycled water sales. The \$6.0 million increase in sewer revenue is due to a combination of new sewer connections and rate increases approved by the Board effective January 1, 2019. The combined \$4.6 million decrease in water and recycled water sales reflect lower acre feet sales volumes due to higher rainfall during the winter months and continued customer conservation efforts. Water sales volume decreased by 10,275 acre feet while recycled water sales volume decreased by 10,374 acre feet. The effects of these volumetric decreases to revenue were partially offset by rate increases effective January 1, 2019.



Non-operating revenues, which include property taxes, water and sewer connection fees and other revenues were \$17.6 million or 15.2 percent higher in fiscal year 2019 as a result of increases in water and sewer connection fee revenue, \$7.7 million; interest revenue, \$3.6 million and increase in fair value of investments, \$6.3 million. The higher water and sewer connection fee revenues are due to increases in EDU and EMS connections and higher connection fee rates. The increase in interest revenue is due to higher interest rate yields in fiscal year 2019 compared to the prior fiscal year.

EXPENSES

The District's operating expenses include the cost of purchased water, water service operating cost, sewer service operating cost, recycled water operating cost, general and administrative cost, depreciation cost and other employment benefit cost. Total operating expenses were \$2.5 million or 0.8 percent lower in fiscal year 2019 due to decreases of \$5.8 million in purchased water cost and \$2.5 million in general and administrative cost. Purchased water cost was lower in fiscal year 2019, mostly as a result of decreased domestic retail demand. The \$2.5 million decrease in general and administrative expense is due to lower pension expense and actuarially determined contribution in fiscal year 2019 compared to fiscal year 2018.



Non-operating expenses, which include the loss on disposal of capital assets, interest expense on debt obligations and other expenses, were \$ 1.6 million or 4.0 percent higher in fiscal year 2019. This change reflects increases in loss on disposal of capital assets, \$1.7 million and other expenses, \$1.7 million offset by decreases in research and development costs, \$790 thousand, and interest expense, \$1.0 million.

MANAGEMENT'S DISCUSSION AND ANALYSIS (con't)

CAPITAL CONTRIBUTIONS

Capital contributions were \$35.3 million or 165.0 percent higher in fiscal year 2019, reflecting increases in developer contributions of \$8.5 million and capital grants, \$26.2 million. The higher grant revenue is due to several of the District's large construction projects being funded by State grants. These projects include the Temecula Valley RWRF 23 Expansion Project, the Quail Valley Subarea 9 Phase I Sewer Project, the Perris II Reverse Osmosis Project and the Santa Ana Conservation and Conjunctive Use Program.

CAPITAL ASSETS

The District reported an increase of \$32.1 million in net capital assets in fiscal year 2019. A comparison of changes in capital assets is provided in Table 3 below.

TABLE 3, CAPITAL ASSETS

Capital Assets
For the Fiscal Years Ended June 30, 2019 and 2018

	2019	2018	Increase/(Decrease)	
			Amount	% Change
Land	\$ 64,866,802	\$ 62,655,585	\$ 2,211,217	3.5%
Tunnel Water Seepage Agreement	1,750,900	1,750,900	-	0.0%
Water capacity rights	30,074,350	30,074,350	-	0.0%
Water plant, lines and equipment	1,289,906,207	1,206,082,386	83,823,821	7.0%
Sewer plant, lines and equipment	2,011,894,372	1,930,046,536	81,847,836	4.2%
Equipment and general facilities	125,749,213	122,650,859	3,098,354	2.5%
Construction in progress	130,468,086	183,831,531	(53,363,445)	-29.0%
Total capital assets	3,654,709,930	3,537,092,147	117,617,783	3.3%
Less accumulated depreciation	(1,348,742,889)	(1,263,266,367)	(85,476,522)	6.8%
Net capital assets	\$ 2,305,967,041	\$ 2,273,825,780	\$ 32,141,261	1.4%

The \$117.6 million increase in capital assets, before accumulated depreciation, include increases in water and sewer plant, lines and equipment of \$165.7 million offset by a decrease of \$53.4 million in construction in progress.

Significant additions to water and sewer plant, lines and equipment include the following construction projects: Temecula Valley RWRF 23 MGD Expansion, \$85.6 million; Quail Valley Subarea 9 Phase I Sewer, \$10.4 million; and the Perris and Elder Booster Station, \$7.9 million.

The Temecula Valley RWRF 23 MGD Expansion project, which will provide 5 MGD in additional wastewater treatment capacity, includes the construction of the new Plant 3 facility and modifications to the existing facilities, increasing the treatment plant's total capacity to 23 MGD. The Plant 3 facility includes new primary, secondary, tertiary, solids handling and effluent pumping facilities and storage. This project was substantially complete at June 30, 2019, with final work to be completed by August 31, 2020.

MANAGEMENT'S DISCUSSION AND ANALYSIS (con't)

The Quail Valley Subarea 9 Phase I sewer project, located in the City of Menifee, includes the installation of a gravity sewer system for 158 existing residential units and 75 undeveloped lots. This portion of Subarea 9 follows an alternative gravity sewer approach utilizing the lift station capacity in the Audie Murphy Ranch development. The project, which also includes a trunk sewer at Goetz Road, was substantially complete at June 30, 2019, with final work to be completed by October 31, 2019.

The Perris and Elder Booster Station replaced the existing Perris and Ironwood Booster Station located on the south east corner of Perris Blvd and Ironwood Avenue in the City of Moreno Valley. This new pump station, located on Elder Avenue west of Perris Blvd, includes suction and discharge pipelines (30-inch) in Elder Avenue, a transmission main (30-inch) in Perris Boulevard, between Elder and Ironwood Avenue, and the demolition and abandonment of the existing Perris and Ironwood Booster Station. The project was substantially complete as of January 31, 2019, with final work to be completed by October 31, 2019.

Some of the major projects currently underway and where expenditures in fiscal year 2019 exceeded \$2.0 million include:

	Millions
• Ten water and sewer projects between \$1,000,000 - \$2,000,000	\$16.1
• Sixty-eight water and sewer projects between \$100,000 - \$500,000	14.8
• Temecula Valley RWRf 23 MGD Expansion	11.8
• Remaining water and sewer projects with expenses less than \$100,000	10.6
• Fourteen water and sewer projects between \$500,000 - \$1,000,000	8.1
• Perris II Desalter (5.4 MGD)	6.2
• Wells 201, 202 & 203 Drilling and Testing	6.0
• Automated Metering Infrastructure (AMI) Meter Replacement	4.1
• MV/SJV/TV RWRf's Blower Electrification, Design phase	3.4
• Dunlap Drive Pipeline Replacement Project	3.4
• Quail Valley Sewer Improvements Sub-Area 9 Phase I	3.4
• Hemet Water Filtration Plant Membrane Replacement	3.0
• Fox Street 1MG Storage Tank and Pipeline	2.9
• Potable Water Well #38 Equipping	2.8
• Pump Electrification Project Phase I	2.8
• MV, PV & SJVRWRf Hypochlorite Implementation Project	2.7
• Sun City Lift Station Electrical Upgrades	2.4
• Post Road Hydropneumatic Booster Pump Station	2.4
• San Jacinto Valley Recharge Property ID, Evaluation and Acquisition	2.2
	<u>\$109.1</u>

The District had \$149.6 million in construction contract commitments as of June 30, 2019 (additional information can be found in Note 10 of the Basic Financial Statements).

MANAGEMENT'S DISCUSSION AND ANALYSIS (con't)

LONG-TERM LIABILITIES

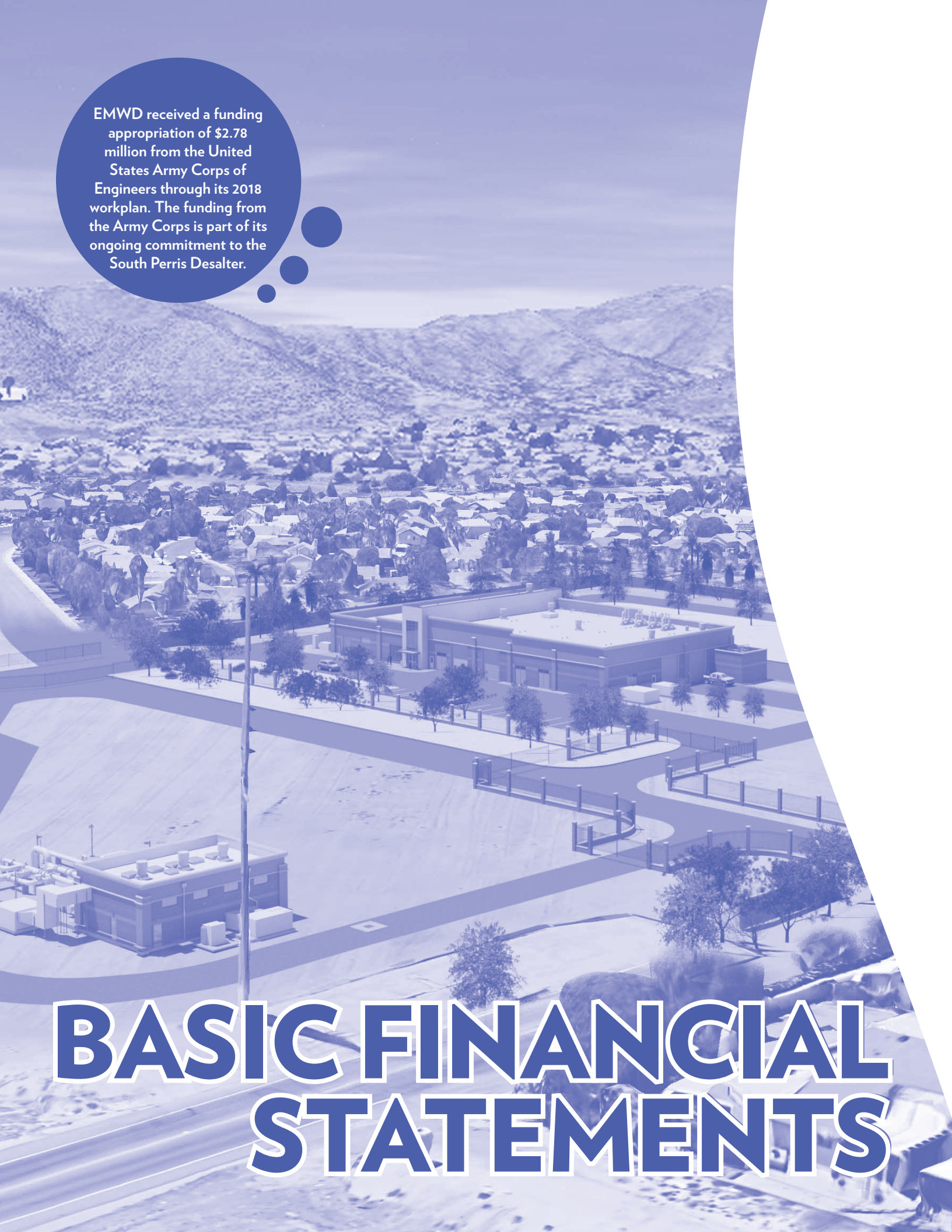
Long-term liabilities consist of debt and other liabilities. Long-term debt includes advances for construction, notes and assessments, revenue bonds, general obligation (GO) bonds and unamortized deferred amounts for premiums/ discounts relating to debt issuances. Other long-term liabilities include state revolving fund (SRF) loans, construction advances, advances from developers, other accrued expenses, compensated absences, net other postemployment benefits obligation and the fair value of swap contracts.

The District had a total of \$1,285.7 million of outstanding debt and other noncurrent liabilities at June 30, 2019, a decrease of \$28.8 million or 2.2 percent from the prior year. Decreases in net other postemployment benefits obligation of \$11.1 million, non-current outstanding revenue bonds of \$15.5 million and advances for construction of \$5.8 million were offset by increases in advances from developer, \$2.5 million and fair value of swap contracts, \$1.8 million. Net other postemployment benefits obligation was \$11.1 million lower compared to the prior fiscal year due to continued funding in excess of the District's actuarially determined contribution. Non-current outstanding revenue bonds were \$15.5 million lower as a result of scheduled debt repayments made during the fiscal year. There were no new debt issuances in fiscal year 2019 other than the refunding of the 2017E and 2017F refunding revenue bonds.

The District's parity revenue bond debt has been assigned an AAA, Aa1 and AA+ rating and the subordinate refunding revenue bonds have been assigned ratings of AA+, Aa2, and AA+ from Fitch Ratings, Moody's Investors Service, Inc., and Standard & Poor's Rating Services, respectively. More detailed information about the District's long-term debt and other noncurrent liabilities is presented in Note 4 to the financial statements.

CONTACTING THE DISTRICT'S FINANCIAL MANAGEMENT

This financial report is designed to provide Eastern Municipal Water District's elected officials, citizens, customers, investors and creditors with a general overview of the District's finances and to demonstrate the District's accountability of the money it receives. If you have any questions regarding any of the information provided in this report or need additional financial information, please contact the District's Finance Department at 2270 Trumble Road, P.O. Box 8300, Perris, CA 92572-8300. General information relating to the District can be found on its website <http://www.emwd.org>.



EMWD received a funding appropriation of \$2.78 million from the United States Army Corps of Engineers through its 2018 workplan. The funding from the Army Corps is part of its ongoing commitment to the South Perris Desalter.

BASIC FINANCIAL STATEMENTS

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EASTERN MUNICIPAL WATER DISTRICT
STATEMENT OF NET POSITION
JUNE 30, 2019
(with prior year data for comparison purposes only)

	JUNE 30	
	2019	2018
Assets:		
Current assets:		
Cash and investments	\$ 296,641,268	\$ 275,611,138
Utility accounts receivable, net of allowance	30,007,094	31,754,761
Property taxes receivable	12,643,000	12,344,214
Accrued interest receivable	2,296,565	2,253,452
Other receivables	8,863,408	6,503,773
Prepaid expenses	3,751,287	3,488,668
Materials and supplies inventory	4,130,201	5,832,888
Water inventory	11,993,048	8,159,969
Grants receivable	29,050,854	2,443,599
Total current assets	399,376,725	348,392,462
Noncurrent assets:		
Restricted assets:		
Debt service covenants cash and investments	87,228,218	80,740,900
Property taxes receivable	1,590,251	1,577,112
Soboba reimbursement receivable	12,998,778	12,998,778
Construction cash and investments	149,422,063	175,190,704
Notes receivable	2,164,390	2,002,164
Total restricted assets	253,403,700	272,509,658
Capital assets:		
Land	64,866,802	62,655,585
Tunnel water seepage agreement	1,750,900	1,750,900
Structures, improvements and water rights	3,331,874,929	3,166,203,272
Equipment and general facilities	125,749,213	122,650,859
Construction in progress	130,468,086	183,831,531
Total capital assets	3,654,709,930	3,537,092,147
Less accumulated depreciation	(1,348,742,889)	(1,263,266,367)
Total net capital assets	2,305,967,041	2,273,825,780
Total noncurrent assets	2,559,370,741	2,546,335,438
Total assets	2,958,747,466	2,894,727,900
Deferred outflows of resources:		
Accumulated increase fair value of swap contracts	2,585,392	-
Deferred outflows - pension contributions	12,446,689	10,748,902
Deferred outflows - OPEB contributions	19,240,938	17,947,401
Deferred outflows - actuarial	16,989,362	22,661,050
Deferred charges on debt refundings	15,808,452	22,042,659
Total deferred outflow of resources	67,070,833	73,400,012

The accompanying notes are an integral part of these financial statements.

EASTERN MUNICIPAL WATER DISTRICT
STATEMENT OF NET POSITION
JUNE 30, 2019
(with prior year data for comparison purposes only)

	JUNE 30	
	2019	2018
Liabilities:		
Current liabilities:		
Accounts payable	\$ 33,294,227	\$ 32,656,263
Accrued salaries and benefits	1,671,492	2,346,509
Customer deposits	10,532,988	10,025,734
Compensated absences	8,725,167	8,713,319
Accrued interest payable	13,480,570	13,713,207
Other payables	5,874,805	3,498,931
Advances for construction, notes and assessments	3,239,761	3,205,739
Revenue bonds	16,417,008	15,922,009
General obligation bonds	1,155,393	1,105,393
Advances from developers	631,096	805,037
Capital lease payable	-	1,018
Unearned revenue	-	455,814
Other accrued expenses payable	1,010,885	1,917,311
Total Current Liabilities	<u>96,033,392</u>	<u>94,366,284</u>
Noncurrent liabilities:		
Compensated absences	3,285,203	3,384,989
Advances for construction, notes and assessments	77,694,955	83,513,809
Revenue bonds	940,838,430	956,385,437
General obligation bonds	30,584,330	31,739,723
State revolving fund construction advances	6,443,478	6,443,478
Advances from developers	23,605,198	21,092,253
Other accrued expenses payable	5,700,487	5,333,330
Net other postemployment benefits obligation	56,851,211	67,918,435
Net pension liability	132,789,256	132,603,024
Fair value of swap contracts	7,933,933	6,114,964
Total Noncurrent liabilities	<u>1,285,726,481</u>	<u>1,314,529,442</u>
Total liabilities	<u>1,381,759,873</u>	<u>1,408,895,726</u>
Deferred inflows of resources:		
Accumulated decrease in fair value of swap contracts	-	4,206,592
Deferred inflows - actuarial	6,076,509	5,335,298
Deferred inflows - other postemployment benefits	1,215,538	872,642
Total deferred inflows of resources	<u>7,292,047</u>	<u>10,414,532</u>
Net position:		
Net investment in capital assets	1,389,284,069	1,349,982,180
Restricted for debt service covenants	86,400,881	80,159,371
Restricted for construction	6,161,035	23,827,435
Unrestricted	154,920,394	94,848,668
Total Net Position	<u>\$ 1,636,766,379</u>	<u>\$ 1,548,817,654</u>

The accompanying notes are an integral part of these financial statements.

EASTERN MUNICIPAL WATER DISTRICT
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION
FOR THE FISCAL YEAR ENDED JUNE 30, 2019
(with prior year data for comparison purposes only)

	JUNE 30	
	2019	2018
Operating revenues:		
Water sales - domestic	\$ 127,831,377	\$ 130,596,237
Water sales - irrigation	5,015,795	4,832,629
Sewer service charge	102,037,610	96,049,786
Recycled water sales	7,034,622	9,028,827
Total operating revenues	<u>241,919,404</u>	<u>240,507,479</u>
Operating expenses:		
Purchased water	60,469,414	65,846,363
Water operations	46,398,474	44,202,187
Sewer operations	42,748,806	42,110,008
Recycled water operations	6,682,894	6,417,615
General and administrative	41,420,672	43,901,997
Depreciation and amortization	97,743,963	94,853,174
Net other postemployment benefits	7,223,073	7,852,804
Total operating expenses	<u>302,687,296</u>	<u>305,184,148</u>
Operating income (loss)	<u>(60,767,892)</u>	<u>(64,676,669)</u>
Nonoperating revenues (expenses):		
Property taxes - general levy	38,204,912	36,294,389
Property taxes - general bond levy	4,883,352	4,508,530
Availability (standby) assessments	5,828,077	5,769,853
Water and sewer connection fees	54,665,900	46,924,875
Interest revenue	11,897,412	8,295,493
Net increase (decrease) in fair value of investments	4,026,589	(2,262,415)
Grant revenues	272,250	1,646,062
Other revenues	14,119,698	15,092,302
Gain (loss) on disposal of capital assets	(2,212,310)	(479,520)
Interest expense	(30,303,310)	(31,336,401)
General obligation fund service fees	(30,864)	(30,864)
Research and development costs	(2,617,459)	(3,407,552)
Other expenses	(6,682,461)	(4,978,675)
Total nonoperating revenues (expenses)	<u>92,051,786</u>	<u>76,036,077</u>
Income (loss) before contributions	<u>31,283,894</u>	<u>11,359,408</u>
Capital contributions:		
Developer contributions	27,304,942	18,762,934
Capital grants	27,694,361	1,482,801
Other capital contributions	1,665,528	1,159,758
Total capital contributions	<u>56,664,831</u>	<u>21,405,493</u>
Change in net position	87,948,725	32,764,901
Total net position - Beginning of year	1,548,817,654	1,532,531,643
Effect of adoption of GASB 75	-	(16,478,890)
Total net position - End of Year	<u>\$ 1,636,766,379</u>	<u>\$ 1,548,817,654</u>

The accompanying notes are an integral part of these financial statements.

EASTERN MUNICIPAL WATER DISTRICT
Statement of Cash Flows
For the Fiscal Year Ended June 30, 2019
(with prior year data for comparison purposes only)

	June 30	
	2019	2018
Cash flows from operating activities:		
Receipts from customers	\$ 244,631,449	\$ 239,777,702
Receipts from availability (standby) assessments	5,713,451	5,749,180
Other receipts	13,663,884	15,092,302
Payments for water	(64,387,590)	(68,526,398)
Payments to employee for services	(98,069,792)	(94,968,345)
Payments to suppliers for goods and services	(49,402,933)	(51,973,816)
Payments for energy and utilities	(11,494,313)	(13,115,134)
Net cash (used for) provided by operating activities	40,654,156	32,035,491
Cash flows from noncapital financing activities:		
Proceeds from property taxes, general levy	38,020,752	36,287,718
Proceeds from operating grants	244,680	347,206
Net cash (used for) provided by noncapital	38,265,432	36,634,924
Cash flows from capital and related financing activities:		
Acquisitions and construction of capital assets	(105,098,634)	(120,390,938)
Proceeds from sale of capital assets	306,042	144,669
Proceeds from long-term debt issuance	195,720,000	-
Proceeds from SRF construction advances	119,932	8,989,068
Repayment of notes, bonds and certificates of participations	(213,095,782)	(17,680,767)
Interest paid	(33,993,020)	(31,839,895)
Proceeds from property taxes, GO bond levy	4,870,213	4,488,671
Proceeds from water and sewer connection fees	54,665,900	46,924,875
Proceeds from developer advances	8,577,843	35,893,009
Repayments of developer advances	(6,238,839)	(33,613,013)
Proceeds from capital grants	1,114,676	5,789,111
Net cash (used for) capital and related financing activities	(93,051,669)	(101,295,210)
Cash flows from investing activities:		
Purchases of investments	(198,226,368)	(146,656,733)
Proceeds from sales and maturities of investments	154,346,616	102,288,803
Proceeds from earnings on investments	11,854,299	7,502,640
Net cash (used for) provided by investing activities	(32,025,453)	(36,865,290)
Total (decrease) increase in cash and cash equivalents	(46,157,534)	(69,490,085)
Cash and cash equivalents at beginning of year	244,074,307	313,564,392
Cash and cash equivalents at end of year	\$ 197,916,773	\$ 244,074,307

The accompanying notes are an integral part of these financial statements.

EASTERN MUNICIPAL WATER DISTRICT
Statement of Cash Flows
For the Fiscal Year Ended June 30, 2019
(with prior year data for comparison purposes only)

	June 30	
	2019	2018
Reconciliation of loss from operations to net cash (used for) provided by operating activities:		
Loss from operations	\$ (60,767,892)	\$ (64,676,669)
Adjustments to reconcile loss from operations to net cash provided by (used for) operating activities:		
Depreciation and amortization expense	97,743,963	94,853,174
Other revenues	11,857,569	13,635,686
(Increase) decrease in utility accounts receivable	1,747,667	(2,756,763)
(Increase) decrease in other receivables	(2,474,260)	(932,611)
(Increase) decrease in prepaid expenses	(262,619)	288,867
(Increase) decrease in materials and supplies inventory	1,702,687	(1,154,086)
(Increase) decrease in water inventory	(3,833,079)	(2,496,059)
(Increase) decrease in notes receivable	(162,226)	192,332
Increase (decrease) in accounts payable	637,963	(3,249,566)
Increase (decrease) in accrued expenses	1,161,588	647,411
Increase (decrease) in customer deposits	507,254	704,019
Increase (decrease) in compensated absences	(87,938)	(704,255)
Increase (decrease) in net other postemployment benefits obligation	(11,067,224)	7,632,363
Increase (decrease) in net pension liability	186,232	15,442,654
Increase (decrease) in deferred inflows	1,084,107	1,810,156
(Increase) decrease in deferred outflows	2,680,364	(27,201,162)
Net cash (used for) provided by operating activities	<u>\$ 40,654,156</u>	<u>\$ 32,035,491</u>
Reconciliation of cash and cash equivalent to statement of net position:		
Current cash and investments	\$ 296,641,268	\$ 275,611,138
Restricted cash and investments:		
Debt service/covenants	87,228,218	80,740,900
Construction	149,422,063	175,190,704
Total cash and investments	<u>533,291,549</u>	<u>531,542,742</u>
Less investments	<u>335,374,776</u>	<u>287,468,435</u>
Cash and cash equivalents	<u>\$ 197,916,773</u>	<u>\$ 244,074,307</u>
Noncash capital, financing, and investing activities:		
Capital asset contributions from developers	\$ 27,304,942	\$ 18,762,934
Net increase (decrease) in fair value of investments	4,026,589	(2,262,415)
Amortization of bond premiums, discounts, and loss on debt refundings	(3,426,209)	(3,274,601)

The accompanying notes are an integral part of these financial statements.

EASTERN MUNICIPAL WATER DISTRICT
NOTES TO THE BASIC FINANCIAL STATEMENTS
JUNE 30, 2019

NOTE 1 - DESCRIPTION OF REPORTING ENTITY AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

REPORTING ENTITY

The Eastern Municipal Water District (District) was formed in October 1950, under the California Water Code for the primary purpose of importing Colorado River Water to augment local water supplies. In 1962, the District began providing wastewater treatment services to customers within its service area and, as a consequence, has become actively involved in the production of recycled water (i.e., wastewater which has been treated to a level acceptable for nondomestic purposes) and has been recognized as an industry leader in the management of ground water basins and the related beneficial uses of recycled water. The District's water and wastewater customers include retail customers (e.g., residential, commercial and agricultural) located in both incorporated and unincorporated areas within the District's service area, as well as wholesale customers (e.g., municipalities and local water Districts) located within its service area.

The District formed the Eastern Municipal Water District Facilities Corporation (Facilities Corporation) on April 10, 1979, under the Non-Profit Public Benefit Corporation Law, State of California, for the purpose of rendering financing assistance to the District by acquiring, constructing and operating or providing for the operation of water and wastewater facilities, including water and wastewater transmission pipelines, treatment plants and related facilities for the use, benefit and enjoyment of the public within the District's boundaries. The Facilities Corporation is a blended component unit of the District.

The District formed the Eastern Municipal Water District Financing Authority (Financing Authority) on April 1, 2015, under the Marks-Roos Local Bond Pooling Act of 1985, constituting Article 4, Chapter 5, Division 7, Title 1 of the California Government Code. The Financing Authority was formed to enable the District to finance, refinance, or provide interim financing for the acquisition, construction, and operation of water supplies, water and wastewater infrastructure, water rights, public facilities, other public capital improvements, or other projects whenever there is significant public benefits. The Financing Authority is a blended component unit of the District.

The District's reporting entity includes the General District, the related improvement Districts located within the service area of the General District, the Facilities Corporation and the Financing Authority. Although the District, the Facilities Corporation and the Financing Authority are legally separate entities, the District's Board of Directors also serve as the Facilities Corporation and the Financing Authority's Board of Directors, and therefore, the accompanying financial statements include the accounts and records of the Facilities Corporation and the Financing Authority as required by generally accepted accounting principles using the blending method. There are no separate financial statements for the Facilities Corporation and the Financing Authorities, they merely serve as the legal entity used by the District to issue long-term debt. Accordingly, the Facilities Corporation and the Financing Authority have no separate financial activity to be reported as separate funds of the District.

NOTE 1 - DESCRIPTION OF REPORTING ENTITY AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES
(cont'd)

BASIS OF ACCOUNTING AND MEASUREMENT FOCUS

The District accounts for its operations on a fund basis. In governmental accounting, a fund is a fiscal and accounting entity with a self-balancing set of accounts recording cash and other financial resources, together with all related liabilities and residual equities or balances, and changes therein. Because the activities of the District receive significant support from fees and charges, it uses a proprietary (enterprise) fund. Enterprise fund accounting is designed to highlight the extent to which fees and charges are sufficient to cover the cost of providing goods and services.

The District uses the economic resources measurement focus and the accrual basis of accounting. Measurement focus determines what is measured in a set of financial statements and under the accrual basis of accounting, revenues are recorded when earned and expenses are recorded when a liability is incurred, regardless of the timing of related cash flows.

CASH AND INVESTMENTS

Investments are stated at their fair value, which represents the quoted or stated market value. Investments that are not traded on a market, such as investments in external pools, are valued based on the stated fair value as represented by the external pool.

CASH EQUIVALENTS

For purposes of the statement of cash flows, the District considers all highly-liquid investments (including restricted assets) with a maturity of three months or less when purchased, to be cash equivalents.

CLASSIFICATION OF REVENUES AND EXPENSES

An enterprise fund distinguishes operating revenues and expenses from non-operating revenues and expenses. Operating revenues and expenses generally result from providing services and producing and delivering goods in connection with the District's principal ongoing operations. The principal operating revenues of the District are charges to customers for domestic, agricultural and irrigation, and recycled water sales, and sewer service charges. Operating expenses for the District include the cost of sales and services, administrative expenses, and depreciation of capital assets.

Non-operating revenues and expenses are those revenues and expenses generated that are not directly associated with the normal business of supplying water and wastewater treatment services. Non-operating revenues mainly consist of property taxes, availability (standby) assessments, investment income, connection fees, and miscellaneous income. Capital contributions consist of facilities built by developers and turned over to the District to operate and maintain; and federal, state and private grants used to fund capital assets. Non-operating expenses mainly consist of debt service interest and debt-related fees.

NOTE 1 - DESCRIPTION OF REPORTING ENTITY AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES
(cont'd)

CAPITAL ASSETS

Both purchased capital assets and self-constructed capital assets are recorded at acquisition cost. The cost of self-constructed assets includes direct labor, material, contracted services and overhead. Contributed capital assets are recorded at acquisition value at the time they are received. These assets consist primarily of distribution lines and connections constructed and donated by developers. The District follows the capitalization thresholds shown below for all purchased or constructed assets. The costs of normal maintenance and repairs that do not add to the value of the asset or materially extend asset lives are not capitalized.

Asset Group	Amount (Minimum)	Estimated Useful Life
Department tools and equipment; computer hardware and software	\$ 5,000	> than 3 years
Facilities plant and equipment	10,000	> than 5 years
Fleet vehicles	10,000	> than 3 years
Operations and maintenance improvement/replacement projects	10,000	> than 5 years

Capital assets of the District are depreciated using the straight-line method over the following estimated useful lives:

Assets	Years
Water source of supply and treatment	30-40
Water storage and distribution	20-40
Wastewater collection system and lift stations	35-100
Wastewater treatment plants	40-50
Recycled water storage and distribution	40-50
Capacity rights	40
Meters and service connections	20-25
Buildings and improvements	10-35
Office and general equipment	5-10
Automotive pool	5-15

ALLOWANCE FOR DOUBTFUL ACCOUNTS

An allowance for doubtful accounts has been established for utility accounts receivables that are 60 or more days delinquent at year-end. This allowance is netted against the receivable on the Statement of Net Position and amounts to \$188,441 at June 30, 2019.

INVENTORIES

Material and supplies inventory consists primarily of materials used in the construction and maintenance of utility plant and is valued at weighted average cost. Water inventory consists of native groundwater and purchased water holdings in the Hemet-San Jacinto Basin. It is valued based upon purchase cost and weighted average cost of consumption.

NOTE 1 - DESCRIPTION OF REPORTING ENTITY AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES
(cont'd)

RESTRICTED ASSETS

Amounts shown as restricted assets have been restricted by bond indenture, law, or contractual obligations to be used for specified purposes, such as servicing bonded debt and construction of capital assets.

Restricted assets include water and sewer connection fees. The resolution establishing the authority for water and sewer connection fees restricts the use of these fees to the construction, acquisition, or financing of capital assets. The water and sewer connection fees are exchange transactions (non-operating revenues). The connecting party receives a benefit (connection to the system) approximately equal in value to the amount paid. These fees do not represent capital contributions (non-exchange transactions).

Generally, restricted resources are not commingled with unrestricted resources in financing projects and activities, and are used for specific types of projects for which such funding is designated. When both restricted and unrestricted resources are available for use, the District may use restricted resources or unrestricted resources, depending upon the type of project or activity, as determined by Board action.

REVENUE RECOGNITION

Revenues are recognized when earned. Metered water accounts are read and billed daily on thirty-day cycles. Wastewater customers are also billed and included with the water billing. In certain areas of the District, the wastewater billing is handled by another water utility agency, however, revenues are accrued by the District each month. Collections are forwarded monthly, based on actual receipts. Unbilled water and wastewater charges are accrued for the period from the last meter reading through year-end and are included in accounts receivable. Unbilled accounts receivable amounted to \$10,382,772 at June 30, 2019.

PROPERTY TAXES

Property tax in California is levied in accordance with Article XIII A of the State Constitution at one percent of countywide assessed valuations. The property taxes are placed in a pool and are then allocated to the local governmental units based upon complex formulas. Property tax revenue is recognized in the fiscal year in which the taxes are levied.

The property tax calendar is as follows:

Lien date:	January 1
Levy date:	July 1
Due date:	First installment – November 1 Second installment – February 1
Delinquent date:	First installment – December 10 Second installment – April 10

**NOTE 1 - DESCRIPTION OF REPORTING ENTITY AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES
(cont'd)**

DEBT DISCOUNTS, PREMIUMS, AND DEFERRED AMOUNTS ON REFUNDING

General obligation bond and revenue bond premiums and discounts are deferred and amortized over the term of the bonds. The discounts and premiums are presented as an addition (or reduction) of the face amount of the debt. Furthermore, in accordance with GASB Statement No. 63, Financial Reporting of Deferred Outflows of Resources, Deferred Inflows of Resources, and Net Position, deferred charges on refunding are presented as deferred outflows of resources on the Statement of Net Position.

COMPENSATED ABSENCES

The District has a policy whereby an employee can accumulate unused paid time off up to a maximum of 675 hours. Hours in excess of the maximum are paid out to employees each November. All employees who separate from the District are entitled to receive 100 percent of their accumulated unused paid time off. The District provides for these future costs by accruing 100 percent of all earned and unused paid time off.

PENSIONS

For purposes of measuring the net pension liability, deferred outflows and inflows of resources related to pensions, pension expense, information about the fiduciary net position and additions to/deductions from the fiduciary net position have been determined on the same basis as they are reported by CalPERS. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. Investments are reported at fair value.

GASB 68 requires that the reported results must pertain to liability and asset information within certain defined timeframes. For this report, the following timeframes are used:

Valuation Date (VD)	June 30, 2017
Measurement Date (MD)	June 30, 2018
Measurement Period (MP)	June 30, 2017 to June 30, 2018

OTHER POSTEMPLOYMENT BENEFITS (OPEB)

For purposes of measuring the net OPEB liability, deferred outflows and inflows of resources related to OPEB and OPEB expense, information about the fiduciary net position of the District's plan (OPEB Plan), the assets of which are held by the California Employers' Retiree Benefit Trust (CERBT) and additions to/deductions from the OPEB Plan's fiduciary net position have been determined by an independent actuary. For this purpose, benefit payments are recognized when currently due and payable in accordance with the benefit terms. Investments are reported at fair value.

GASB 75 requires that the reported results must pertain to liability and asset information within certain defined timeframes. For this report, the following timeframes are used:

Valuation Date (VD)	June 30, 2017
Measurement Date (MD)	June 30, 2018
Measurement Period (MP)	June 30, 2017 to June 30, 2018

DEFERRED OUTFLOWS/INFLOWS OF RESOURCES

In addition to assets, the Statement of Net Position will sometimes report a separate section of deferred outflows of resources. This separate financial statement element, deferred outflows of resources, represents consumption of net position that applies to a future period and so will not be recognized as an outflow of resources (expenses/expenditures) until then. The District has five items that qualify for reporting in this category: the accumulated increase in fair value of swap contracts, the deferred outflows on pension contributions, the deferred outflows on OPEB contributions, the deferred actuarial amounts related to pension and the deferred charges on debt refundings. These are reported on the Statement of Net Position.

In addition to liabilities, the statement of financial position will sometimes report a separate section for deferred inflows of resources. This separate financial statement element, deferred inflows of resources, represents an acquisition of net position that applies to a future period and will not be recognized as inflow of resources (revenue) until that time. The District has two items that qualify for reporting in this category, the deferred actuarial amounts related to pension and OPEB. This is reported on the Statement of Net Position.

FAIR VALUE MEASUREMENTS

Certain assets and liabilities are required to be reported at fair value. The fair value framework provides a hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of fair value hierarchy are described as follows:

Level 1 – Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets.

NOTE 1 - DESCRIPTION OF REPORTING ENTITY AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (cont'd)

Level 2 – Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly and fair value is determined through the use of models or other valuation methodologies including:

- Quoted prices for similar assets or liabilities in active markets;
- Quoted prices for identical or similar assets or liabilities in markets that are inactive;
- Inputs other than quoted prices that are observable for the asset or liability;
- Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

Level 3 – Inputs to the valuation methodology are unobservable and significant to the fair value measurement. These unobservable input reflect the District's own assumptions about the inputs market participants would use in pricing the asset or liability (including assumptions about risk). These unobservable inputs are developed based on the best information available in the circumstances and may include the District's own data.

The hierarchy level of an asset or liability is based on the lowest level of input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs.

The determination of what constitutes observable requires judgment by the District's management. District management considers observable data to be that market data, which is readily available, regularly distributed or updated, reliable and verifiable, not proprietary and provided by multiple independent sources that are actively involved in the relevant market.

The categorization of an investment or liability within the hierarchy is based upon the relative observability of the inputs to its fair value measurement and does not necessarily correspond to District management's perceived risk of that investment or liability.

USE OF ESTIMATES

The financial statements are prepared in conformity with generally accepted accounting principles, and therefore include amounts that are based on management's best estimates and judgments. Accordingly, actual results could differ from those estimates.

PRIOR YEAR DATA

Selected information regarding the prior year has been included in the accompanying financial statements. This information has been included for comparison purposes only and does not represent a complete presentation in accordance with generally accepted accounting principles. Accordingly, such information should be read in conjunction with the District's prior year financial statements, from which this selected financial data was derived.

INTEREST RATE SWAP CONTRACTS

The District entered into interest rate swap contracts to fix the interest rates on certain outstanding variable rate debt. These contracts are recorded at fair value.

Fair values of these interest rate swap contracts are reported as liabilities and its changes in the fair value are reported as deferred outflows of resources in the statement of net position. As of June 30, 2019, all potential hedging instruments of the District are considered effective hedges.

NOTE 2 - CASH AND INVESTMENTS

Cash and investments are classified in the accompanying Statement of Net Position as follows:

	<u>2019</u>
Current assets	\$ 296,641,268
Restricted assets:	
Debt service covenants	87,228,218
Construction	<u>149,422,063</u>
Totals	<u>\$ 533,291,549</u>

Cash and investments consisted of the following:

	<u>2019</u>
Cash on hand	\$ 6,500
Deposits with financial institutions	15,110,466
Investments	<u>518,174,583</u>
Total cash and investments	<u>\$ 533,291,549</u>

Cash and cash equivalents consisted of the following:

	<u>2019</u>
Demand accounts and on hand	\$ 15,116,966
Local Agency Investment Fund (LAIF)	92,921,975
Investment Trust of California (CalTRUST)	52,631,745
Money market mutual funds	<u>37,246,087</u>
Total cash and cash equivalents	<u>\$ 197,916,773</u>

NOTE 2 - CASH AND INVESTMENTS (cont'd)

INVESTMENTS AUTHORIZED BY THE CALIFORNIA GOVERNMENT CODE AND THE DISTRICT'S INVESTMENT POLICY

The table below identifies the investment types that are authorized for the District by the California Government Code and the District's investment policy. The table also identifies certain provisions of the California Government Code (or the District's investment policy, where more restrictive) that address interest rate risk and concentration of credit risk. This table does not address investments of debt proceeds held by bond trustee that are governed by the provisions of debt agreements of the District, rather than the general provisions of the California Government Code or the District's investment policy.

Investment Types Authorized by State Law	Authorized by Investment Policy	Maximum Maturity*	Maximum Percentage of Portfolio*	Maximum Investment in One Issuer*
U.S. treasury obligations	Yes	5 Years	None	None
U.S. agency securities	Yes	5 Years	None	None
Bankers' acceptances	Yes	180 Days	40%	30%
Negotiable certificates of deposit	Yes	1 Year	30%	25%
Commercial paper	Yes	270 Days	25%	10%
Repurchase agreements	No ¹	1 Year	None	None
Reverse repurchase agreements	No	92 Days	20%	None
Medium-term notes	Yes	5 Years	30%	25%
Mortgage pass – through securities	No	5 Years	None	None
LAIF	Yes	None	None	\$65,000,000
CA local agency securities	Yes	5 Years ²	30% ³	25% ³
Mutual funds	No	N/A	None	None
Money market mutual funds	Yes	N/A	15%	10%
County pooled investment funds	No	N/A	None	None
Joint powers authority (CalTRUST)	Yes	N/A	15%	15%
Investment contracts	Yes	None	None	None

* Based upon State law or investment policy requirements, whichever is more restrictive.

1. Only permitted for use in the District's sweep account.
2. Maturities may exceed 5 years with specific required credit ratings.
3. Investments in the District's own tendered securities may exceed percentages on a temporary basis.

INVESTMENTS AUTHORIZED BY DEBT AGREEMENTS

Investment of debt proceeds held by bond trustees are governed by provisions of the debt agreements, rather than the general provisions of the California Government Code or the District's investment policy. The table below identifies the investment types that are authorized for investments held by bond trustees. The table also identifies certain provisions of these debt agreements that address interest rate risk and concentration of risk.

Authorized Investment Type	Maximum Maturity	Maximum Percentage of Portfolio	Maximum Investment in One Issuer
U.S. treasury obligations	None	None	None
U.S. agency securities	None	None	None
State obligations or political subdivision of states	None	None	None
Bankers' acceptances	1 Year	None	None
Certificates of deposit	None	None	None
Commercial paper	None	None	None
Guaranteed investment contracts	None	None	None
Repurchase agreements	30 Days	None	None
Money market mutual funds	None	None	None
LAIF	None	None	None

INTEREST RATE RISK

Interest rate risk is the risk that changes in market interest rates will adversely affect the fair value of an investment. Generally, the longer the maturity of an investment, the greater the sensitivity of its fair value to changes in market interest rates. One of the ways that the District manages its exposure to interest rate risk is by purchasing a combination of shorter term and longer term investments and by timing cash flows from maturities so that a portion of the portfolio is maturing or coming close to maturity evenly over time, as necessary to provide the cash flow and liquidity needed for operation.

NOTE 2 - CASH AND INVESTMENTS (cont'd)

Information about the sensitivity of the fair values of the District's investments (including investments held by bond trustees) to market interest rate fluctuations is provided by the table below, which shows the distribution of the District's investment by remaining maturity.

Investment Type	Months			
	Total	12 or Less	13 to 24	25 to 60
U.S. Agency Securities:				
Federal Farm Credit Bank (FFCB)	\$ 47,032,080	\$ 4,986,650	\$ 15,003,750	\$ 27,041,680
Federal Farm Credit Bank (FFCB) - Floating	10,003,100	10,003,100	-	-
Federal Home Loan Bank (FHLB)	38,912,807	12,098,778	13,735,470	13,078,559
Federal Home Loan Mortgage Corp. (FHLMC)	39,940,800	19,971,100	4,987,250	14,982,450
Federal National Mortgage Assn. (FNMA)	25,640,227	21,939,020	3,701,207	-
Tennessee Valley Authority (TVA)	7,646,152	3,003,309	4,642,843	-
Corporate - Fixed	54,287,312	34,079,194	19,584,341	623,777
Money Market Mutual Funds	9,640,603	9,640,603	-	-
Municipal	76,734,710	41,406,745	31,123,904	4,204,061
LAIF	92,921,975	92,921,975	-	-
Investment Trust of California (CalTRUST)	52,631,744	52,631,744	-	-
Commercial Paper	993,438	993,438	-	-
Negotiable Certificates of Deposit	1,300,178	1,300,178	-	-
U.S. Treasury Obligations	32,883,973	29,917,840	2,966,133	-
Held by Trustee:				
Money Market Mutual Funds	27,605,484	27,605,484	-	-
Total Investments	\$ 518,174,583	\$ 362,499,158	\$ 95,744,898	\$ 59,930,527

INVESTMENTS WITH FAIR VALUE HIGHLY SENSITIVE TO INTEREST RATE RISK

Highly sensitive investments are investments whose sensitivity to market interest rate fluctuations are not fully addressed by use of one of the five methods for reporting interest rate risk as specified by the GASB No. 40. As of June 30, 2019, the District had \$10,003,100 invested in federal agency securities floating notes.

NOTE 2 - CASH AND INVESTMENTS (cont'd)

CREDIT RISK

Generally, credit risk is the risk that an issuer of an investment will not fulfill its obligation to the holder of the investment. This is measured by the assignment of a rating by a nationally recognized statistical rating organization. The table below shows the minimum rating required by the California Government Code, the District's investment policy, or debt agreements, and the actual Standard and Poor's Rating Services credit rating as of year-end for each investment type.

Category	Total	Minimum Legal Rating	Rating at June 30, 2019			
			AAA	AA	A	Not Rated
U.S. Agency Securities						
FFCB	\$ 47,032,080	N/A	\$ -	\$ 47,032,080	\$ -	\$ -
FFCB - Floating	10,003,100	N/A	-	10,003,100	-	-
FHLB	38,912,807	N/A	-	38,912,807	-	-
FHLMC	39,940,800	N/A	-	39,940,800	-	-
FNMA	25,640,227	N/A	-	25,640,227	-	-
TVA	7,646,152	N/A	-	7,646,152	-	-
Corporate - Fixed	54,287,312	A	9,987,801	35,632,958	8,666,553	-
Money Market Mutual Funds	9,640,603	AAA*	9,640,603	-	-	-
Municipal	76,734,710	N/A	2,995,481	73,739,229	-	-
LAIF	92,921,975	N/A	-	-	-	92,921,975
CalTRUST	52,631,744	N/A	-	31,405,090	21,226,654	-
Commercial Paper	993,438	A	-	-	993,438	-
Negotiable Certificates of Deposit	1,300,178	A	-	-	1,300,178	-
U.S. Treasury Obligations	32,883,973	N/A	-	28,397,329	4,486,644	-
Held by Trustee:						
Money Market Mutual Funds	27,605,484	AAA*	27,605,484	-	-	-
Total Investments	\$ 518,174,583		\$ 50,229,369	\$ 338,349,772	\$ 36,673,467	\$ 92,921,975

*Money market mutual funds are rated Aaa-mf by Moody's at June 30, 2019. This rating meets minimum rating requirements.

CONCENTRATION OF CREDIT RISK

This is the risk of loss attributed to the magnitude of a government's investment in a single issuer. Investments in any one issuer other than U.S. Treasury securities, mutual funds and external investment pools that represent five percent or more of the District's total investments are shown below as of June 30, 2019:

Issuer	Investment Type	Reported Amount
California State	Municipal	\$ 30,376,320
Federal Farm Credit Bank	U.S. Agency	57,035,180
Federal Home Loan Bank	U.S. Agency	38,912,807
Federal Home Loan Mortgage Corp	U.S. Agency	39,940,800

NOTE 2 - CASH AND INVESTMENTS (cont'd)

CUSTODIAL CREDIT RISK

Custodial credit risk for deposits is the risk that, in the event of the failure of a depository financial institution, a government will not be able to recover its deposits or will not be able to recover collateral securities that are in the possession of an outside party. The custodial credit risk for investments is the risk that, in the event of a failure of the counter party (e.g., broker-dealer) to a transaction, a government will not be able to recover the value of its investment or collateral securities that are in the possession of another party. The California Government Code and the District's investment policy do not contain legal or policy requirements that would limit the exposure to custodial credit risk for deposits or investments, other than the following provision for deposits: The California Government Code requires that a financial institution secure deposits made by state or local governmental units by pledging securities in an undivided collateral pool held by a depository regulated under state law. The market value of the pledged securities in the collateral pool must equal 110 percent of the total amount deposited by the public agencies. California law also allows financial institutions to secure District deposits by pledging first trust deed mortgage notes having a value of 150 percent of the secured public deposits. As of June 30, 2019, 100 percent of the District's investments were held in collateralized accounts in the District's name.

INVESTMENT IN STATE INVESTMENT POOL

The District is a voluntary participant in the Local Agency Investment Fund (LAIF), which is regulated by California Government Code Section 16429 under the oversight of the Treasurer of the State of California. The fair value of the District's investment in this pool is reported in the accompanying financial statements at amounts based upon the District's pro-rata share of the fair value provided by LAIF for the entire LAIF portfolio (in relation to the amortized costs of that portfolio). The balance available for withdrawal is based on the accounting records maintained by LAIF, which are recorded at fair market value. Additional information about the State's LAIF can be found on their website www.treasurer.ca.gov/pmia.laif.

INVESTMENT IN INVESTMENT TRUST OF CALIFORNIA (CALTRUST)

The District is a voluntary participant in CalTRUST, a Joint Powers Authority established by public agencies in California for the purpose of pooling and investing local agency funds. A Board of Trustees supervises and administers the investment program of the Trust. CalTRUST invests in fixed income securities eligible for investment pursuant to California Government Code Sections 53601, et seq. and 53635, et seq. Investment guidelines adopted by the Board of Trustees may further restrict the types of investments held by the Trust. The fair value of the District's investment in this pool is reported in the accompanying financial statements at amounts based upon the District's pro-rata share of the fair value provided by CalTRUST for the entire CalTRUST portfolio. The balance available for withdrawal is based on the accounting records maintained by CalTRUST. For purposes of determining fair market value, securities are normally priced on a daily basis on specified days if banks are open for business and the New York Stock Exchange is open for trading. The value of securities is determined on the basis of the market value of such securities or, if market quotations are not readily available, at fair value, under guidelines established by the Trustees. Investments with short remaining maturities may be valued at amortized cost, which the Board has determined to equal fair value.

NOTE 2 - CASH AND INVESTMENTS (cont'd)

FAIR VALUE MEASUREMENT

The District categorizes its fair value investments within the fair value hierarchy established by generally accepted accounting principles. The District has the following recurring fair value measurements as of June 30, 2019:

Category	Fair Value Hierarchy			
	Total	Level 1	Level 2	Level 3
Investments reported at Fair Value				
U.S. Agency				
FFCB	\$ 47,032,080	\$ -	\$ 47,032,080	\$ -
FFCB - Floating	10,003,100	-	10,003,100	-
FHLB	38,912,807	-	38,912,807	-
FHLMC	39,940,800	-	39,940,800	-
FNMA	25,640,227	-	25,640,227	-
TVA	7,646,152	-	7,646,152	-
Commercial Paper	993,438	-	993,438	-
Corporate - Fixed	54,287,312	-	54,287,312	-
Municipal	76,734,710	-	76,734,710	-
Negotiable Certificates of Deposit	1,300,178	-	1,300,178	-
US Treasury	32,883,972	-	32,883,972	-
Total Investments at Fair Value	<u>\$ 335,374,776</u>	<u>\$ -</u>	<u>\$ 335,374,776</u>	<u>\$ -</u>

NOTE 3 - CAPITAL ASSETS

The capital asset activity for the fiscal year ended June 30, 2019 was as follows:

	Beginning Balance June 30, 2018	Additions	Reductions	Ending Balance June 30, 2019
Capital assets, not being depreciated				
Land	\$ 62,655,585	\$ 2,211,217	\$ -	\$ 64,866,802
Tunnel Water Seepage Agreement	1,750,900	-	-	1,750,900
Construction in progress	183,831,531	109,114,465	(162,477,910)	130,468,086
Total capital assets not being depreciated	248,238,016	111,325,682	(162,477,910)	197,085,788
Capital assets, being depreciated				
Water plant, lines and equipment	1,206,082,386	93,069,078	(9,245,257)	1,289,906,207
Water capacity rights	30,074,350	-	-	30,074,350
Sewer plant, lines and equipment	1,930,046,536	85,887,307	(4,039,471)	2,011,894,372
Equipment and general facilities	122,650,859	4,599,419	(1,501,065)	125,749,213
Total capital assets being depreciated	3,288,854,131	183,555,804	(14,785,793)	3,457,624,142
Less accumulated depreciation for				
Water plant, lines and equipment	506,533,441	42,214,380	(8,672,434)	540,075,387
Water capacity rights	10,231,054	722,730	-	10,953,784
Sewer plant, lines and equipment	661,083,729	48,634,060	(2,498,120)	707,219,669
Equipment and general facilities	85,418,143	6,172,793	(1,096,887)	90,494,049
Total accumulated depreciation	1,263,266,367	97,743,963	(12,267,441)	1,348,742,889
Total capital assets being depreciated, net	2,025,587,764	85,811,841	(2,518,352)	2,108,881,253
Capital assets, net	\$ 2,273,825,780	\$ 197,137,523	\$ (164,996,262)	\$ 2,305,967,041

NOTE 4 - LONG-TERM LIABILITIES

Long-term liability activity for the year ended June 30, 2019 is as follows:

	Ending Balance June 30, 2018	Additions	Reductions	Ending Balance June 30, 2019	Due Within One Year
Long-Term Debt					
Advances for Construction, Notes and Assessments:					
CA DWR Prop 204 (HWFP)	\$ 18,734,014	\$ -	\$ (1,688,695)	\$ 17,045,319	\$ 858,766
SWRCB SRF loan (APAD)	33,273,744		(2,153,458)	31,120,286	2,162,546
SWRCB SRF loan (SCATT)	27,596,784		(1,846,258)	25,750,526	-
SWRCB SRF loan (N. Trumble Pond)	7,115,006	119,932	(216,353)	7,018,585	218,449
Total notes payable	86,719,548	119,932	(5,904,764)	80,934,716	3,239,761
Capital Lease Obligations	1,018	-	(1,018)	-	-
Revenue Bonds:					
2011A Refunding	13,585,000	-	(4,310,000)	9,275,000	4,525,000
2015A Refunding	50,000,000	-	-	50,000,000	-
2015B	74,430,000	-	-	74,430,000	-
2016A Refunding	200,320,000	-	(5,260,000)	195,060,000	5,460,000
2016B Refunding	123,625,000	-	(1,350,000)	122,275,000	1,420,000
2017A Refunding	54,810,000	-	-	54,810,000	-
2017B Refunding	50,225,000	-	-	50,225,000	-
2017C Refunding	17,515,000	-	-	17,515,000	-
2017D	102,500,000	-	-	102,500,000	-
2017E Refunding	147,640,000	-	(147,640,000)	-	-
2017F Refunding	47,545,000	-	(47,545,000)	-	-
2018A Refunding	-	94,455,000	-	94,455,000	-
2018B Refunding	-	53,485,000	-	53,485,000	345,000
2018C Refunding	-	47,780,000	-	47,780,000	-
Unamortized premium	90,112,446		(4,667,008)	85,445,438	4,667,008
Total revenue bonds	972,307,446	195,720,000	(210,772,008)	957,255,438	16,417,008
General Obligation Bonds:					
2005A	11,380,000	-	(535,000)	10,845,000	555,000
2009	21,125,000	-	(550,000)	20,575,000	580,000
Net unamort prem/disc	340,116	-	(20,393)	319,723	20,393
Total GO bonds	32,845,116	-	(1,105,393)	31,739,723	1,155,393
Sub-total long term debt	1,091,873,128	195,839,932	(217,783,183)	1,069,929,877	20,812,162
Other Noncurrent Liabilities					
Compensated absences	12,098,308	8,626,771	(8,714,709)	12,010,370	8,725,167
Total long-term liabilities	\$ 1,103,971,436	\$ 204,466,703	\$ (226,497,892)	\$ 1,081,940,247	\$ 29,537,329

NOTE 4 - LONG-TERM LIABILITIES (cont'd)

The following schedule summarizes the major terms of outstanding long-term debt:

	Date of Issue	Original Issue	Revenue Sources	Lien	Final Maturity Date	Interest Rates
Advances for construction, notes and assessments:						
CA DWR Prop 204 (HWFP) <i>Hemet Water Filtration Plant Construction Project</i>	03/03/05	\$ 42,098,388	(a)	Subordinate	07/01/28	Imputed -2.273%
SWRCB SRF loan (APAD) <i>Moreno Valley RWRf Acid Phase Anaerobic Digestion Project</i>	09/15/09	43,908,096	(a)	Subordinate	03/16/33	0.422%
SWRCB SRF loan (SCATT) <i>Moreno Valley RWRf Secondary Clarifier & Tertiary Treatment Expansion Project</i>	06/23/09	38,302,852	(a)	Subordinate	07/05/32	1.0%
SWRCB SRF loan (N. Trumble) <i>Recycled Water Pond Optimization Project - N. Trumble & Perris Valley RWRf</i>	04/26/18	7,455,594	(a)	Subordinate	06/30/47	1.0%
Revenue Bonds:						
2011A Refunding	07/20/11	56,225,000	(a)	Senior	07/01/20	4% to 5%
2015A Refunding	06/23/15	50,000,000	(a)	Subordinate	07/01/39	Variable
2015B	06/18/15	74,430,000	(a)	Subordinate	07/01/39	4% to 5%
2016A Refunding	04/05/16	209,230,000	(a)	Subordinate	07/01/39	2% to 5%
2016B Refunding	09/14/16	124,925,000	(a)	Subordinate	07/01/35	2% to 5%
2017A Refunding	04/12/17	54,810,000	(a)	Subordinate	07/01/35	Variable
2017B Refunding	04/12/17	50,225,000	(a)	Subordinate	07/01/38	Variable
2017C Refunding	05/02/17	17,515,000	(a)	Subordinate	07/01/23	5.0%
2017D	05/18/17	102,500,000	(a)	Subordinate	07/01/47	5.0% to 5.25%
2018A Refunding	09/26/18	94,455,000	(a)	Subordinate	07/01/46	Variable
2018B Refunding	09/13/18	53,485,000	(a)	Subordinate	07/01/30	Variable
2018C Refunding	09/13/18	47,780,000	(a)	Subordinate	07/01/46	Variable
General Obligation Bonds:						
2005A	06/07/15	18,255,000	(b)	N/A	09/01/35	4% to 5%
2009	08/12/09	31,625,000	(b)	N/A	09/01/39	4.25% to 5.625%

(a) Net water and sewer revenues

(b) Ad valorem taxes levied and collected on sixty-one special improvement districts within the District's service area

NOTE 4 - LONG-TERM LIABILITIES (cont'd)

Future principal and interest requirements on all long-term debt are as follows:

<u>Year ending June 30</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2020	\$ 16,124,761	\$ 34,123,740	\$ 50,248,501
2021	19,548,945	33,637,976	53,186,921
2022	21,668,890	32,832,908	54,501,798
2023	22,519,995	31,971,682	54,491,677
2024	23,097,285	31,078,821	54,176,106
2025-2029	141,946,367	141,060,771	283,007,138
2030-2034	167,546,245	114,916,335	282,462,580
2035-2039	200,418,682	82,085,497	282,504,179
2040-2044	199,599,673	51,034,482	250,634,155
2045-2048	171,693,873	14,809,324	186,503,197
Sub-total	984,164,716	567,551,536	1,551,716,252
Add: Unamortized premium/discount	85,765,161	-	85,765,161
Total	\$ 1,069,929,877	\$ 567,551,536	\$ 1,637,481,413

ADVANCES FOR CONSTRUCTION, NOTES AND ASSESSMENTS

Advances for construction, notes and assessments include project financing agreements executed with the State of California Department of Water Resources and the State of California Water Resources Control Board between March 2005 and January 2016. These agreements, detailed in the summary of major terms of outstanding long-term debt, provide financing for various projects and construction costs.

Future principal payments and interest payments on these advances for construction, notes and assessments are as follows:

<u>Year ending June 30</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2020	\$ 3,239,761	\$ 395,207	\$ 3,634,968
2021	6,003,945	805,708	6,809,653
2022	6,073,890	735,763	6,809,653
2023	6,144,995	664,657	6,809,652
2024	6,217,285	592,369	6,809,654
2025-2029	31,161,367	1,834,441	32,995,808
2030-2034	18,591,245	516,324	19,107,569
2035-2039	1,293,682	149,496	1,443,178
2040-2044	1,359,673	83,504	1,443,177
2045-2047	848,873	17,033	865,906
Total	\$ 80,934,716	\$ 5,794,502	\$ 86,729,218

NOTE 4 - LONG-TERM LIABILITIES (cont'd)

On July 12, 2017, the District executed a project financing agreement with the State of California Water Resources Control Board to provide financing, under the Clean Water State Revolving Fund, for the Recycled Water Optimization Program project. This agreement provides \$95,264,880 in funding with a future thirty-year loan at an interest rate of 1.8 percent. Contingent on the District's performance of its obligations under this agreement, the estimated amount of principal that will be due to the State Water Board is \$80,264,880 with the remaining \$15.0 million to be awarded as a grant. The project was substantially completed at the end of the fiscal year and loan repayment is expected to begin in December 21, 2020. Construction advances totaling \$6,443,478 for this project were recorded through June 30, 2019.

REVENUE BONDS

The outstanding revenue bonds were issued to provide financing for various projects and facility improvements and to refund certain prior revenue bonds issued for the purpose of decreasing related debt service costs. Outstanding revenue bonds are detailed in the summary of major terms of outstanding long-term debt.

Future principal and interest payments on all revenue bonds as of June 30, 2019 are as follows:

Year ending June 30	Principal	Interest	Total
2020	\$ 11,750,000	\$ 32,132,140	\$ 43,882,140
2021	12,360,000	31,287,212	43,647,212
2022	14,355,000	30,606,286	44,961,286
2023	15,090,000	29,875,656	44,965,656
2024	15,535,000	29,117,889	44,652,889
2025-2029	103,880,000	133,399,124	237,279,124
2030-2034	140,485,000	110,517,731	251,002,731
2035-2039	190,850,000	80,431,801	271,281,801
2040-2044	196,660,000	50,906,541	247,566,541
2045-2048	170,845,000	14,792,291	185,637,291
	871,810,000	543,066,671	1,414,876,671
Add: Unamortized premium	85,445,438	-	85,445,438
Total	\$ 957,255,438	\$ 543,066,671	\$ 1,500,322,109

2018A REFUNDING REVENUE BONDS

In September 2018, the District issued \$94,455,000 in refunding revenue bonds, Series 2018A. The net proceeds were used to current refund a portion of the outstanding 2017E refunding revenue bonds and to pay the cost of issuance of the 2018A bonds.

The 2018A bonds were issued on the subordinate lien which maintained the debt service coverage on the District's outstanding senior debt. The 2018A and 2017E refunding revenue bonds are variable rate debt, therefore, there is no economic gain or loss resulting from the refunding, other than the cost to underwrite.

The 2018A refunding revenue bonds include principal installments due in varying amounts from \$50,000 to \$70,000 due annually from July 1, 2024 to July 1, 2030 and varying amounts from \$10,370,000 to \$13,250,000 due annually from July 1, 2039 to July 1, 2046. Interest installments for the 2018A bonds are payable monthly at a variable rate remarketed daily.

NOTE 4 - LONG-TERM LIABILITIES (cont'd)

2018B REFUNDING REVENUE BONDS

In September 2018, the District issued \$53,485,000 in refunding revenue bonds, Series 2018B. The net proceeds were used to current refund the portion of the outstanding 2017E bonds not refunded from the proceeds of the 2018A bonds and to pay the cost of issuance of the 2018B bonds.

The 2018B bonds were issued on the subordinate lien which maintained debt service coverage on the District's outstanding senior debt. The 2018B and 2017E refunding revenue bonds are variable rate debt, therefore, there is no economic gain or loss resulting from the refunding other than the cost to underwrite.

The 2018B refunding revenue bonds include principal installments due in varying amounts ranging from \$345,000 to \$8,090,000 from July 1, 2019 to July 1, 2030 with an interest rate of 3.10 percent that is synthetically fixed through a swap agreement with Wells Fargo Bank carried forward from the 2017E refunding revenue bonds. Interest is payable monthly at a variable interest rate based on the SIFMA Index plus 25 basis points.

2018C REFUNDING REVENUE BONDS

In September 2018, the District issued \$47,780,000 in refunding revenue bonds, Series 2018C. The net proceeds were used to current refund the outstanding 2017F refunding revenue bonds and to pay the cost of issuance of the 2018C bonds.

The 2018C bonds were issued on the subordinate lien which maintained debt service coverage on the District's outstanding senior debt. The 2018C and 2017F are variable rate debt, therefore, there is no economic gain or loss resulting from the refunding other than the cost to underwrite.

The 2018C refunding revenue bonds include principal installments due in varying amounts ranging from \$5,255,000 to \$6,740,000 from July 1, 2039 to July 1, 2046 with partially hedged variable interest rate set at 5.125 percent through a swap agreement with Wells Fargo Bank carried forward from the 2017F refunding revenue bonds. Interest on the unhedged portion of the bonds is payable monthly at a variable interest rate remarketed monthly based on an index of 70 percent of LIBOR plus 30 basis points.

GENERAL OBLIGATION (GO) BONDS

The outstanding general obligation bonds were issued by the Western Riverside Water and Wastewater Financing Authority in May 2005 and August 2009 to finance certain water and/or sewer facilities for the improvement districts and to pay the costs of executing and delivering the GO Bonds. The major terms of these bonds are detailed in the summary of major terms of outstanding long-term debt.

NOTE 4 - LONG-TERM LIABILITIES (cont'd)

Future principal and interest payments on total general obligation bonds are as follows:

<u>Year ending June 30</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2020	\$ 1,135,000	\$ 1,596,393	\$ 2,731,393
2021	1,185,000	1,545,056	2,730,056
2022	1,240,000	1,490,859	2,730,859
2023	1,285,000	1,431,369	2,716,369
2024	1,345,000	1,368,563	2,713,563
2025-2029	6,905,000	5,827,206	12,732,206
2030-2034	8,470,000	3,882,280	12,352,280
2035-2039	8,275,000	1,504,200	9,779,200
2040	1,580,000	44,437	1,624,437
	31,420,000	18,690,363	50,110,363
Add: Unamortized premium	319,723	-	319,723
Total	\$ 31,739,723	\$ 18,690,363	\$ 50,430,086

The general obligation bonds are callable prior to maturity, subject to certain call premiums. The liability for the general district bonds and improvements within the respective special districts, and the funds for retirement thereof, are derived from a bond redemption levy based on the assessed valuation within the individual improvement districts. At June 30, 2019, general obligation bonds authorized but not issued total \$547,650,000.

DEBT SERVICE RESERVE FUNDS

The District is required to maintain Debt Service Reserve Funds for two outstanding SRF loans, the Hemet Water Filtration Plant (HWFP) State Revolving Fund and the North Trumble Pond State Revolving Fund. The HWFP Reserve Fund will be used for the payment of principal and interest on the Hemet Water Filtration Plant State Revolving Fund in the event that the District has not provided the Trustee with sufficient funds by the installment payment date to make the required installment payments. The North Trumble Pond Reserve Fund is equal to one year's debt service and shall be maintained for the full term of the loan agreement. The current required reserve amounts and reserve balances at June 30, 2019 for the outstanding SRF loans are as follows:

<u>Description</u>	<u>Required</u>	<u>Actual</u>	<u>Excess (Deficiency)</u>
Hemet WFP SRF - \$4.21M ¹	\$ 2,104,920	\$ 2,128,953	\$ 24,033
N. Trumble Pond SRF	288,635	288,635	-
Total Debt Service Reserve Funds	\$ 2,393,555	\$ 2,417,588	\$ 24,033

The total required reserve per loan agreement is \$2,104,920. Half of this amount is required to be and was deposited by the first of ten semi-annual payments (July 1, 2013) and the remainder of the balance was required to be deposited by the tenth year of the repayment period (approximately July 1, 2018).

NOTE 4 - LONG-TERM LIABILITIES (cont'd)

MASTER RESOLUTION

The District adopted Resolution No. 2667, entitled “A Resolution of the Board of Directors of the Eastern Municipal Water District Providing for the Allocation of Water and Sewer Revenues” (the “Master Resolution”) to establish various reserves and covenants of which the following are required to be maintained:

1. DEBT COVERAGE RATIO

The District has covenanted that Net Water and Sewer Revenues shall be at least 1.15 times the sum of all Debt Service on all Parity Obligations, plus the amount of all deposits required to be made to the Operating Reserve Fund. As of June 30, 2019, the District’s parity and subordinate obligation debt service coverage ratios were 35.7 times and 3.5 times, respectively.

2. OPERATING RESERVE FUND

The District has covenanted that it will maintain a minimum of one quarter of its annual maintenance and operating costs as set forth in its operating budget in a separate reserve fund. The required reserve amount and the actual reserve balance at June 30, 2019 was \$39,153,186 and \$44,831,742, respectively.

NOTE 5 - INTEREST RATE SWAP CONTRACTS

STANDBY CERTIFICATE PURCHASE AGREEMENTS

Included in long-term debt at June 30, 2019 are \$249,490,000 Series 2015A, 2017A and 2017B and 2018A Revenue Bonds (collectively, the Supported Variable Rate Debt). The Supported Variable Rate Debt have a tender provision for bondholders on seven-day notice, to tender their bonds at par value plus accrued interest. In connection with the issuance of the Supported Variable Rate Debt, the District executed Standby Purchase Agreements (SPA) between the Corporation and various banks. The SPA is terminated prior to the expiration date only if there is an occurrence of “events of defaults”. As of June 30, 2019, there were no outstanding bonds that have been tendered but failed to be remarketed. The bank and expiration date for each SPA at June 30, 2019 for each Supported Variable Rate Debt is:

Description	SPA Bank	SPA Expiration
		Date
2015A Bond	The Toronto Dominion Bank	05/21/21
2017A Bond	Sumimoto Mitsui Banking Corp	04/12/22
2017B Bond	Sumimoto Mitsui Banking Corp	04/12/22
2018A Bond	Bank of America, N.A.	09/27/22

PLAN DESCRIPTION

The fair value balances and notional amounts of financial instruments (instruments) outstanding at June 30, 2019, classified by type and the changes in fair value of such instruments for the year then ended are shown in the following table.

	Changes in Fair Value		Fair Value at June 30, 2019		Notional
	Classification	Amount	Classification	Amount	
Cash flow hedges:					
2018B Bonds	Pay-fixed interest swap				
	Deferred outflow	\$ (2,884,025)	Debt	\$ (7,600,002)	\$ 53,485,000
2018C Bonds	Pay-fixed interest swap - cost of funds				
	Deferred outflow	\$ 298,633	Debt	\$ (333,931)	\$ 14,750,000

NOTE 5 - INTEREST RATE SWAP CONTRACTS (cont'd)

The expected swap cash flows are calculated using the zero-coupon discounting method which takes into consideration the prevailing interest rate environment, the specific terms and conditions of a given transaction, and assumes that the current forward rates implied by the yield curve are the market's best estimate of future spot interest rates. The income approach is then used to obtain the fair value of the swaps, where future amounts (the expected swap cash flows) are converted to a single current (discounted) amount, using a rate of return that takes into account the relative risk of nonperformance associated with the cash flows, and time value of money. The observability of inputs used to perform the measurement results in the swap fair values being categorized as Level 2.

OBJECTIVE AND TERMS OF FINANCIAL INSTRUMENTS

The District entered into the financial instruments to increase interest rate savings realized by refunding various outstanding debt. The District realized greater interest savings from debt refinancing by issuing variable interest rate debt along with the financial instruments than would have been realized had the District issued conventional fixed rate debt.

The following table displays the objective and terms of the District's financial instruments outstanding at June 30, 2019, along with the credit rating of the associated counterparty.

<u>Type</u>	<u>Objective</u>	<u>Notional Amount</u>	<u>Effective Date</u>	<u>Maturity Date</u>	<u>Terms</u>	<u>Counterparty Credit Rating</u>
Pay-fixed interest rate swap	Hedge of changes in cash flows on the 2018B debt issue	\$ 53,485,000	11/01/14	07/01/30	Pay 3.1%, receive 66% of one-month LIBOR from WFB	S&P: A+ Moody's: Aa2
Pay-fixed interest rate swap	Hedge of changes in cash flows on the 2018C debt issue	\$ 14,750,000	12/01/14	07/01/20	Pay 5.125%, receive the SIFMA Swap Index from WFB	S&P: A+ Moody's: Aa2

CREDIT RISK

The counterparty credit ratings as of June 30, 2019 are shown in the table above. If the counterparty credit rating is lowered to or below Baa1 by Moody's Investors Service (Moody's) or BBB+ by Standard & Poor's (S&P), the financial instruments may be terminated. The counterparty credit ratings for Wells Fargo Bank either met or exceeded these rating requirements at June 30, 2019.

INTEREST RATE RISK

The District is exposed to interest rate risk on its financial instruments. As the 1-month LIBOR or the SIFMA Swap Index decreases, the District's net payment on the swap increases.

BASIS RISK

The financial instruments expose the District to basis risk, which refers to a mismatch between the interest rate received from the swap contract and the interest paid on the variable rate payment to be made on the debt. The District is exposed to basis risk should the floating rate that it receives on a swap be less than the variable rate the District pays on the bonds. Depending on the magnitude and duration of any basis risk shortfall, the expected cost savings from the swap may not be realized.

NOTE 5 - INTEREST RATE SWAP CONTRACTS (cont'd)

TERMINATION RISK

The financial instruments may be terminated by the District or its counterparty if the other party fails to perform under the terms of the contract. In addition, the District has the option to terminate the financial instruments upon proper notification to the counterparties. If the financial instruments are terminated, the District would prospectively pay the variable rates on the 2018B and 2018C bonds rather than fixed rate payments under the financial instruments. The termination could therefore increase the District's total debt service. If, at the time of termination, the financial instrument is in a liability position, the District would be liable to the counterparty for a payment equal to the negative fair value.

COLLATERAL REQUIREMENTS

The financial instruments include provisions that require the District to post collateral in the event the lowest credit rating assigned to any of its long-term, unenhanced debt secured by a pledge of Net Water and Sewer Revenues falls below A- as issued by Fitch Ratings, A-as issued by Standard & Poor's Rating Services, or A3 as issued by Moody's Investors Service. The collateral posted is required to be in the form of cash or U.S. Treasury securities in the amount of the fair value of the financial instrument, net of agreed upon adjustments. If the District does not post collateral, the financial instruments may be terminated by the counterparty. At June 30, 2019, the aggregate fair value of all financial instruments with these collateral posting provisions is a negative \$7,933,933. If the collateral posting requirements were triggered at June 30, 2019, the District would be required to post \$7,933,933 to the counterparty. The District's credit ratings for its senior Revenue Bonds were AAA/Aa1/AA+ and the credit ratings for its subordinate Revenue Bonds were AA+/Aa2/AA+ by Fitch Ratings, Moody's Investors Service, Inc. and Standard & Poor's Rating Services, respectively; therefore, no collateral was posted at June 30, 2019.

NOTE 6 - DEFINED BENEFIT PENSION PLAN

PLAN DESCRIPTION

All qualified permanent and probationary employees are eligible to participate in the District's agent multiple-employer defined benefit pension plan administered by the California Public Employees' Retirement System (CalPERS), which acts as a common investment and administrative agent for its participating member employees. Benefit provisions under the Plans are established by State statute and local government resolution. CalPERS issues publicly available reports that include a full description of the pension plans regarding benefit provisions, assumptions, and membership information that can be found on the CalPERS website.

BENEFITS PROVIDED

CalPERS provides service retirement and disability benefits, annual cost of living adjustments, and death benefits to plan members who must be public employees and beneficiaries. Benefits are based on years of credited service equal to one year of full-time employment. The Plans' provisions and benefits in effect at June 30, 2019 are summarized as follows:

	Miscellaneous		
	Prior to 11/1/10	11/1/10-1/1/13	On or after 1/1/2013
Hire date			
Benefit formula	2.5% @ 55	2% @ 55	2% @ 62
Benefit vesting schedule	5 years of service	5 years of service	5 years of service
Benefit payments	Monthly for life	Monthly for life	Monthly for life
Retirement age	50-55	50-55	62-67
Monthly Benefits as a % of eligible compensation	2.5%	2.0% to 2.5%	2.0% to 2.5%
Required employee contribution rates	8.0%	7.0%	5.75%
Required employer contribution rates	8.69%	8.69%	8.69%

NOTE 6 - DEFINED BENEFIT PENSION PLAN (cont'd)

EMPLOYEES COVERED

The following employees were covered by the benefit terms as of the measurement date:

Active Members	601
Transferred Members	77
Terminated Members	112
Retired Members and Beneficiaries	501
Total	<u>1,291</u>

CONTRIBUTION DESCRIPTION

Section 20814 (c) of the California Public Employees' Retirement Law (PERL) requires that the employer contribution rates for all public employers be determined on an annual basis by the actuary and shall be effective on the July 1 following the notice of a change in the rate. The total plan contributions are determined through the CalPERS annual actuarial valuation report. The actuarially determined rate is the estimated amount necessary to finance the costs of benefits earned by employees during the year, with an additional amount to finance any unfunded accrued liability. The District is required to contribute the difference between the actuarially determined rate and the contribution rate of employees. For the measurement period ending June 30, 2018 (the measurement date), the District's average contribution rate is 16.42 percent of annual payroll. District contribution rates may change if plan contracts are amended. It is the responsibility of the District to make necessary accounting adjustments to reflect the impact due to any District Paid Member Contributions or situations where members are paying the portion of the District contribution.

ACTUARIAL METHODS AND ASSUMPTIONS USED TO DETERMINE TOTAL PENSION LIABILITY

For the measurement period ending June 30, 2018 (the measurement date), the total pension liability was determined using the following actuarial methods and assumptions:

Actuarial Cost Method	Entry Age Normal
Asset Valuation Method	Market Value
Actuarial Assumptions:	
Discount Rate	7.15%
Inflation	2.50%
Salary Increases	Varies by Entry Age and Service
Investment Rate of Return	7.5% Net of Pension Plan Investment and Administrative Expenses; includes inflation
Mortality Rate Table ¹	Derived using CalPERS' Membership Data for all Funds
Post Retirement Benefit Increase	Contract COLA up to 2.0% until Purchasing Protection Allowance Floor on Purchasing Power applies, 2.5% thereafter

*The mortality table used was developed based on CalPERS' specific data. The table includes 15 years of mortality improvements using the Society of Actuaries Scale 90% of scale MP 2016. For more details on this table, refer to the December 2017 experience study report (based on CalPERS demographic data from 1997 to 2015) that can be found on the CalPERS website.

DISCOUNT RATE

The discount rate used to measure the total pension liability was 7.15 percent. The projection of cash flows used to determine the discount rate assumed that contributions from plan members will be made at the current member contribution rates and that contributions from employers will be made at statutorily required rates, actuarially determined. Based on those assumptions, the Plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

The long-term expected rate of return on pension plan investments was determined using a building-block method in which expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class.

In determining the long-term expected rate of return, CalPERS took into account both short-term and long-term market return expectations as well as the expected pension fund cash flows. Using historical returns of all the funds' asset classes, expected compound (geometric) returns were calculated over the short-term (first 10 years) and the long-term (11+ years) using a building-block approach. Using the expected nominal returns for both short-term and long-term, the present value of benefits was calculated for each fund. The expected rate of return was set by calculating the rounded single equivalent expected return that arrived at the same present value of benefits for cash flows as the one calculated using both short-term and long-term returns. The expected rate of return was then set equal to the single equivalent rate calculated below and adjusted to account for assumed administrative expenses.

The expected real rates of return by asset class are as follows:

<u>Asset Class¹</u>	<u>New Strategic Allocation</u>	<u>Real Return Years 1 - 10²</u>	<u>Real Return Years 11+³</u>
Global Equity	50.00%	4.80%	5.98%
Fixed Income	28.00%	1.00%	2.62%
Inflation Assets	0.00%	77.00%	1.81%
Private Equity	8.00%	6.30%	7.23%
Real Assets	13.00%	3.75%	4.93%
Liquidity	1.00%	0.00%	-0.92%
	<u>100.00%</u>		

¹In the CalPERS CAFR, Fixed Income is included in Global Debt Securities; Liquidity is included in Short-term Investments; Inflation Assets are in both Global Equity Securities and Global Debt Securities.

²An expected inflation of 2.00% used for this period.

³An expected inflation of 2.92% used for this period.

CHANGES IN NET PENSION LIABILITY

The following table shows the changes in net pension liability recognized over the measurement period:

	Increase (Decrease)		
	Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability
	(a)	(b)	(c) = (a) - (b)
Balance at 6/30/2017 (VD)	\$ 429,713,231	\$ 297,110,207	\$ 132,603,024
Changes Recognized for the Measurement Period:			
Service Cost	8,950,991	-	8,950,991
Interest on the Total Pension Liability	30,364,075	-	30,364,075
Differences between Expected and Actual Experience	3,493,286	-	3,493,286
Net Plan to Plan Resource Movement	-	(736)	736
Changes of Assumptions	(3,617,710)	-	(3,617,710)
Contributions - Employer	-	10,748,951	(10,748,951)
Contributions - Employees ¹	-	4,437,439	(4,437,439)
Net Investment Income	-	25,160,942	(25,160,942)
Benefit Payments, including Refunds of Employee Contributions	(18,783,862)	(18,783,862)	-
Administrative Expense	-	(462,980)	462,980
Other Miscellaneous Income(Expense) ²	-	(879,206)	879,206
Net Changes during 2017-2018	\$ 20,406,780	\$ 20,220,548	\$ 186,232
Balance at 6/30/2018 (MD)	\$ 450,120,011	\$ 317,330,755	\$ 132,789,256

(VD) Valuation Date

(MD) Measurement Date

¹Includes both employee contributions and the employer paid member contributions.

²During Fiscal Year 2017-2018, as a result of GASB No. 75, Accounting and Financial Reporting for Postemployment Benefit Plans Other than Pensions, CalPERS reported its proportionate share of activity related to postemployment benefits for participation in the State of California's agent OPEB Plan. Accordingly, CalPERS recorded a one-time expense as a result of the adoption of GASB 75. Additionally, CalPERS employees participate in various State of California pension plans during the Fiscal Year 2017-2018, CalPERS recorded a correction to previously reported financial statements to properly reflect its proportionate share of activity related to pensions in accordance with GASB Statement No. 68, Accounting and Financial Reporting for Pensions.

NOTE 6 - DEFINED BENEFIT PENSION PLAN (cont'd)

SENSITIVITY OF THE NET PENSION LIABILITY TO CHANGES IN THE DISCOUNT RATE

The following presents the net pension liability of the Plan as of the Measurement Date, calculated using the discount rate of 7.15 percent, as well as what the net pension liability would be if it were calculated using a discount rate that is 1 percentage-point lower (6.15 percent) or 1 percentage point higher (8.15 percent) than the current rate:

	Discount Rate -1% <u>6.15%</u>	Current Discount <u>7.15%</u>	Discount Rate +1% <u>8.15%</u>
Plan's Net Pension Liability/(Asset)	\$ 195,151,175	\$ 132,789,256	\$ 81,194,319

RECOGNITION OF GAINS AND LOSSES

Under GASB 68, gains and losses related to changes in total pension liability and fiduciary net position are recognized in pension expense systematically over time.

The first amortized amounts are recognized in pension expense for the year the gain or loss occurs. The remaining amounts are categorized as deferred inflows and deferred outflows to be recognized in future pension expense.

The amortization period differs depending on the source of the gain or loss:

Differences between projected and actual earnings	5-year straight-line amortization
All other amounts	Straight-line amortization over the expected average remaining service lifetime (EARSL) of all members that are provided with benefits (active, inactive and retired) as of the beginning of the measurement period

The EARSL for the Plan for the June 30, 2018 measurement period is 4.7 years, which was obtained by dividing the total service years of 6,007 (the sum of remaining service lifetimes of the active employees) by 1,291 (the total number of participants: active, inactive and retired). Inactive employees and retirees have remaining service lifetimes equal to 0. Total future service is based on the members' probability of decrementing due to an event other than receiving a cash refund.

NOTE 6 - DEFINED BENEFIT PENSION PLAN (cont'd)

PENSION EXPENSE AND DEFERRED OUTFLOWS AND DEFERRED INFLOWS OF RESOURCES RELATED TO PENSIONS

For the measurement period ending June 30, 2018 (the measurement date), the District recognized a pension expense of \$17,348,082 for the plan.

As of June 30, 2019, the District reported other amounts for the Plan as deferred outflow and deferred inflow of resources related to pensions as follows:

	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>
Pension Contributions Subsequent to Measurement Date	\$ 12,446,689	\$ -
Changes in Assumptions	14,093,605	(4,190,833)
Differences between Expected and Actual Experience	2,750,034	(1,885,676)
Net Difference between Projected and Actual Earnings on Pension Plan Investments	<u>145,723</u>	<u>-</u>
Total	<u>\$ 29,436,051</u>	<u>\$ (6,076,509)</u>

The \$12,446,689 reported as deferred outflows of resources related to employer contributions subsequent to the measurement date will be recognized as a reduction of the net pension liability in the fiscal year ended June 30, 2020. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized as pension expense as follows:

<u>Measurement Period Ending June 30</u>	<u>Deferred Outflows/(Inflows) of Resources</u>
2019	\$ 6,771,509
2020	5,323,790
2021	(331,438)
2022	(851,008)
2023	-

NOTE 7 - DEFINED CONTRIBUTION PLAN

The District maintains the EMWD 401(a) Plan, a defined contribution money purchase pension plan that is qualified under Internal Revenue Code Section 401(a). The District has an agreement with Nationwide Retirement Solutions (Nationwide) whereby Nationwide receives, invests, and reports on the funds sent to them on behalf of eligible employees. Contribution requirements of the District are established and may be amended through the memorandum of understanding between the District and its Union. Employees are vested in the funds contributed on their behalf after one year of service and have several investment options within the lineup of funds available at Nationwide. The 401(a) Plan was adopted in January 1978 and may be amended by the District, provided Nationwide joins in such amendment. The District's required contributions to the 401(a) Plan are 7.15 percent of each eligible employee's compensation, up to a maximum annual compensation of \$16,500. The District's contribution to the 401(a) Plan was \$779,568 for the fiscal year ended June 30, 2019.

In July 2011, the District executed a plan amendment to its 401(a) Plan to provide for a contribution to this 401(a) Plan on behalf of the General Manager in accordance with his employment contract. Contribution to this 401(a) Plan was \$47,162 in the fiscal year ended June 30, 2019.

The district provides a voluntary 457(b) deferred compensation plan for employees to contribute to their retirement on a tax-deferred basis. In October 2013, the District executed an amendment to its 401(a) Plan to provide for a matching contribution for those employees contributing to the 457(b) deferred compensation plan. The District's matching contributions will be paid into the 401(a) plan equal to 100 percent of an employee's 457(b) contribution at a rate of 2.0 percent in Year 1 of the labor contract (July 24, 2016 to December 31, 2017), 3.0 percent in Year 2 (January 1, 2018 to December 31, 2018), and 4.0 percent in Year 3 (January 1, 2019 to December 31, 2019). Matching contributions to the 401(a) plan totaled \$1,531,984 for the fiscal year ended June 30, 2019.

NOTE 8 - POSTEMPLOYMENT BENEFITS OTHER THAN PENSION

PLAN DESCRIPTION

Health Care Benefits - The District provides postemployment health care benefits to all qualified employees who meets the District's California Public Employees' Retirement System (PERS) plan requirements. This plan is an agent multiple-employer defined benefit OPEB plan. This plan contributes an amount for the retiree and dependents, as applicable, with eligibility based on the Health Benefit Vesting Requirements found in Government Code 22893 (Vesting for Contracting Agency Employees). This amount of District's contribution varies according to the retiree's medical benefit tiers as follows:

Tier 1 (hired prior to August 1, 2005) -The District's contribution is 100 percent of the coverage level elected by the retiree up to the greater of the basic monthly rate under PEMHCA for the Blue Shield HMO or Kaiser HMO.

Effective for the 2018 calendar year, the District's contribution is 100 percent of the coverage level elected by the retiree up to the maximum of \$684 per month for single coverage, \$1,367 per month for two-party coverage and \$1,772 per month for family coverage. The District's contribution consists of the CalPERS statutory minimum required contribution of \$133 per month for 2018 and \$136 per month for 2019 and a contribution through a health reimbursement arrangement (HRA). Retirees in the Kaiser A HMO are required to pay a monthly contribution based on the family coverage category elected. The District's contribution towards retiree medical benefits is paid for the lifetime of the eligible retiree or the surviving spouse upon the death of the eligible retiree.

NOTE 8 - POSTEMPLOYMENT BENEFITS OTHER THAN PENSIONS (cont'd)

Tier 2 (hired from August 1, 2005 to March 26, 2014) – The District’s contribution is 100 percent of the coverage level elected by the retiree up to the greater of the same contribution amount as a retiree hired prior to August 1, 2005 multiplied by a vesting schedule or the 100/90 amount per PEMHCA. The 100/90 amount is 100 percent of the weighted average of single coverage and 90 percent of the weighted average of additional premium for the two-party and family coverage for the four PEMHCA plans with the highest State enrollment in the prior year (for 2018: \$725 per month for single, \$1,377 per month for two-party and \$1,766 per month for family). The vesting percentages, according to PEMHCA Section 22893, range from 50 percent to 100 percent for retirees with service of ten years to 20 years or more. The District’s contribution consists of the CalPERS statutory minimum required contribution of \$133 per month for 2018 and \$136 per month for 2019 and a contribution through a health reimbursement arrangement (HRA). The District’s contribution towards retiree medical benefits is paid for the lifetime of the eligible retiree or the surviving spouse upon the death of the eligible retiree.

Tier 3 (hired after March 26, 2014) – The District’s contribution is the PEMHCA minimum required contribution of \$133 per month in 2018 and \$136 per month for 2019.

The District also provides healthcare benefits to elected official retirees in accordance with the District’s Administrative Code. This plan contributes up to the District’s contribution amount for employees and dependent coverage.

Life Insurance Benefits - In addition, the District provides postemployment group life insurance to eligible retired employees and elected officials with a death benefit of \$10,000 up to age 70 and \$5,000 thereafter for retired employees; and a death benefit of \$5,000 up to age 70 and \$2,500 thereafter for elected officials.

The benefit provisions for retiree employee health care and life insurance are established and amended through the memorandum of understanding between the District and the Union. The benefit provisions for retired elected official life insurance are established through the District’s contract with the life insurance company. The District does not issue separate stand-alone financial reports for these plans.

EMPLOYEES COVERED

As of the June 30, 2018 measurement date, the following current and former employees were covered by the benefit terms under the Plan:

Active employees	610
Inactive employees or beneficiaries currently receiving benefits	404
Total	<u>1,014</u>

NOTE 8 - POSTEMPLOYMENT BENEFITS OTHER THAN PENSIONS (cont'd)

CONTRIBUTIONS

Contribution requirements of the District are established and may be amended through the memorandum of understanding between the District and its union. The contribution requirements of the District for retired elected officials may be amended through Board action to update the Ordinance 70, for the health benefit plan, or with the life insurance company, for the life insurance benefits. The District's policy is to achieve full funding of its unfunded actuarial accrued or net OPEB liability by fiscal year 2033-2034. The District's funding practice is to fund at least the actuarially determined contribution, inclusive of direct payments for retiree health payments and the implied subsidy, which is determined based on the normal cost plus an amortization of the net (unfunded accrued) OPEB liability over a reasonable period of time (currently fifteen years). For the fiscal year ended June 30, 2019, the District's cash contributions were \$18,524,700 in payments to the trust and the estimated implied subsidy was \$716,238.

On April 18, 2012, the District's Board of Directors adopted a resolution to establish an OPEB Trust and to authorize an agreement with PERS to join the California Employers' Retiree Benefit Trust (CERBT) Program. On June 12, 2012, the District joined the CERBT Program, an agent multiple-employer plan consisting of an aggregation of single-employer plans. PERS issues a publicly available financial report that includes financial statements and required supplementary information relating to the CERBT program. The report can be obtained through their website at www.calpers.ca.gov.

NET OPEB LIABILITY

The District's net OPEB liability was measured on June 30, 2018 and the total OPEB liability used to calculate the net OPEB liability was determined by an actuarial valuation dated June 30, 2017 based on the following actuarial methods and assumptions:

Actuarial Cost Method	Entry Age Normal
Actuarial Assumptions:	
Discount Rate	7.00%
Inflation	2.75%
Salary Increases	3.00% plus merit
Investment Rate of Return	7.00 % per year; assumes the District invests in the CERBT asset allocation Strategy 1 with a margin of adverse deviation of 28 bps
Mortality Rate ¹	Derived using CalPERS' Membership Data for all funds
Pre-Retirement Turnover ²	Derived using CalPERS' Membership Data for all funds
Healthcare Trend Rate	Recent premium experience assuming 1% to 1.50% increase/decrease due to market trends then reduced to a rate reflecting medical price inflation

Notes:

¹Pre-retirement mortality information was derived from the pre-retirement mortality rates under the CalPERS pension plan updated to reflect the most recent experience study projected with mortality improvement scale AA. The Experience Study Reports may be accessed on the CalPERS website, www.calpers.ca.gov under Forms and Publications.

²The pre-retirement turnover information was developed based on the termination rates under the CalPERS pension plan.

NOTE 8 - POSTEMPLOYMENT BENEFITS OTHER THAN PENSIONS (cont'd)

The long-term expected rate of return on OPEB plan investments was determined using a building block method in which best-estimate ranges of expected future real rates of return (expected returns, net of OPEB plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. Best estimates of arithmetic real rates of return for each major asset class included in the OPEB plan's target allocation as of June 30, 2017 are summarized in the following table:

Asset Class	Strategy 1	
	Target Allocation	Long-Term Expected Rate of Return
Global Equity	57.00%	5.50%
REITS ²	8.00%	4.50%
Global Fixed Income	27.00%	2.25%
Commodities	3.00%	1.25%
TIPS ¹	5.00%	1.25%
Total	100.00%	

¹TIPS - Treasury Inflation Protected Securities

²REITS - Real Estate Investment Trusts

Long-term expected rate of return is 7.00 percent.

DISCOUNT RATE

The discount rate used to measure total OPEB liability was 7.00 percent, assuming full funding by 2033/2034.

CHANGES IN OPEB LIABILITY

	Total OPEB Liability	Increase (Decrease) Fiduciary Net Position	Net OPEB Liability
	(a)	(b)	(c) = (a) - (b)
Balance at 6/30/2018 (VD June 30, 2017)	\$ 106,318,423	\$ 38,399,988	\$ 67,918,435
Changes Recognized for the Measurement Period:			
Service Cost	3,154,255	-	3,154,255
Interest	7,509,723	-	7,509,723
Contributions from the Employer	-	17,947,401	(17,947,401)
Net Investment Income	-	3,861,399	(3,861,399)
Benefit Payments	(4,381,840)	(4,381,840)	-
Administrative Expense	-	(26,780)	26,780
Other	-	(50,818)	50,818
Net Changes	\$ 6,282,138	\$ 17,349,362	\$ (11,067,224)
Balance at 6/30/2019 (MD June 30, 2018)	\$ 112,600,561	\$ 55,749,350	\$ 56,851,211

(VD) Valuation Date

(MD) Measurement Date

NOTE 8 - POSTEMPLOYMENT BENEFITS OTHER THAN PENSIONS (cont'd)

SENSITIVITY OF THE NET OPEB OBLIGATION LIABILITY TO CHANGES IN THE DISCOUNT RATE

The following presents the net OPEB liability of the District if it were calculated using a discount rate that is one percentage point lower or one percentage point higher than the current rate, for the measurement period ended June 30, 2018:

	1% Decrease <u>(6.00%)</u>	Current Discount Rate <u>(7.00%)</u>	1% Increase <u>(8.00%)</u>
Net OPEB Liability	\$ 73,761,741	\$ 56,851,211	\$ 44,258,540

SENSITIVITY OF THE NET OPEB LIABILITY TO CHANGES IN THE HEALTH CARE COST TREND RATES

The following presents the net OPEB liability of the District if it were calculated using health care cost trend rates that are one percentage point lower or one percentage point higher than the current rate, for the measurement period ended June 30, 2018:

	1% Decrease (5.00%HMC/5.50%PPO decreasing to <u>4.00%HMO/4.00%PPO</u>)	Current Healthcare Cost Trend Rates (6.00%HMC/6.50%PPO decreasing to <u>5.00%HMO/5.00%PPO</u>)	1% Increase (7.00%HMC/7.50%PPO decreasing to <u>6.00%HMO/6.00%PPO</u>)
Net OPEB Liability	\$ 42,256,169	\$ 56,851,211	\$ 76,525,463

RECOGNITION OF DEFERRED OUTFLOWS AND DEFERRED INFLOWS OF RESOURCES

Gains and losses related to changes in total OPEB liability and fiduciary net position are recognized in OPEB expense systematically over time.

Amounts are first recognized in OPEB expense for the year the gain or loss occurs. The remaining amounts are categorized as deferred outflows and deferred inflows of resources related to OPEB and are to be recognized in future OPEB expense.

OPEB EXPENSE AND DEFERRED OUTFLOWS/INFLOWS OF RESOURCES RELATED TO OPEB

For fiscal year June 30, 2019, the District recognized OPEB expense of \$7,223,073. As of fiscal year ended June 30, 2019, the District reported deferred outflows of resources related to OPEB from the following sources:

	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>
OPEB contributions subsequent to measurement date	\$ 19,240,938	\$ -
Differences between actual and projected earnings	-	1,215,538
Total	<u>\$ 19,240,938</u>	<u>\$ 1,215,538</u>

NOTE 8 - POSTEMPLOYMENT BENEFITS OTHER THAN PENSIONS (cont'd)

The \$19,240,938 reported as deferred outflows of resources related to contributions subsequent to the June 30, 2018 measurement date will be recognized as a reduction of the net OPEB liability during the fiscal year ending June 30, 2020. Other amounts reported as deferred outflows of resources related to OPEB will be recognized as expense as follows:

Measurement Periods Ended June 30	Deferred Outflows (Inflows) of Resources
2019	\$ (358,425)
2020	(358,425)
2021	(358,423)
2022	(140,265)
2023	-

NOTE 9 - RESTRICTED AND UNRESTRICTED NET POSITION**RESTRICTED NET POSITION**

Net Position restricted for debt service/covenants represent constraints required by the District's Master Resolution and third party general obligation bondholders.

Net Position restricted for construction represent constraints on legally restricted funds received and unspent from developers as required by State law.

UNRESTRICTED NET POSITION

As required by GASB Statement No. 34, net position has been classified according to guidelines established for restricted net position. The unrestricted net position, although not legally restricted, has been established pursuant to Board Resolution No. 3359 and is primarily composed of reserves for various purposes.

NOTE 10 - COMMITMENTS**CONSTRUCTION CONTRACTS**

The District is committed to approximately \$149,598,790 of open construction contracts as of June 30, 2019. The contracts with the largest remaining balances include:

	Contract Amount	Balance To Complete
Perris II Desalination Facility	\$ 50,018,999	\$ 45,389,000
Temecula Valley Recycled Water Pipeline	9,420,000	8,120,982
Solar Renewable Energy Initiative Phase III	7,403,316	6,464,872
Pala Sewer Force Main Project	2,980,204	2,342,012
Reach 4 Recycled Water Booster Station Upgrade	2,844,737	2,117,037
TVRWRF Air Line Replacement Project	2,066,377	1,689,177
OMC Laboratory Modification Project	2,744,048	1,541,948
Winchester Lift Station Odor Control Facility	1,531,800	1,531,800
Fox Street 1MG Tank & Pipeline Project	3,551,647	970,537
Wells 201, 202 & 203 Drilling and Testing	5,848,870	882,844
TOTAL	<u>\$ 88,409,998</u>	<u>\$ 71,050,209</u>

NOTE 10 - COMMITMENTS (cont'd)

CLAIMS AND JUDGMENTS

The District is exposed to various risks of loss related to torts, theft, damage, and destruction of assets, error and omissions, road and walkway design hazards, vehicle accidents and flooding for which the District maintains various insurance programs. The District has entered into contracts to oversee and administer these programs.

The District maintains excess insurance coverage of \$10,000,000 per occurrence with a \$750,000 self-insured retention per incident for losses sustained because of liability imposed on the District by the Workers' Compensation Act. For general liability, the District maintains excess insurance coverage of \$30,000,000 per occurrence with a \$1,000,000 self-insured retention.

Liabilities are recorded when it is probable that a loss has been incurred and the amount of the loss can be reasonably estimated. The liability for claims and judgments is included in other accrued expenses. The District did not have any non-incremental claims adjustment expenses that needed to be included as part of the unpaid claims liability. In November 2012, a workers compensation claim stipulation was reached, which included a present value of \$5.3 million in future payments calculated using a discount rate of 3 percent over 30 years. Changes in claims payable for the years ended June 30 are as follows:

	Beginning Balance			Ending Balance		Due Within
	June 30, 2018	Additions	Deletions	June 30, 2019	One Year	
General Liability	\$ 324,743	\$ 129,490	\$ (347,254)	\$ 106,979	\$ 106,979	
Workers Compensation	6,618,821	1,031,535	(1,541,774)	6,108,582	606,126	
	<u>\$ 6,943,564</u>	<u>\$ 1,161,025</u>	<u>\$ (1,889,028)</u>	<u>\$ 6,215,561</u>	<u>\$ 713,105</u>	

	2019	2018
Unpaid claims, beginning	\$ 6,943,564	\$ 7,223,776
Incurred claims and changes in estimates	1,161,025	1,230,969
Claim Payments	(1,889,028)	(1,511,181)
Unpaid claims, ending	<u>\$ 6,215,561</u>	<u>\$ 6,943,564</u>

There was no significant reduction in insurance coverage by major categories of risk from fiscal year 2018 to 2019. There were no settlements that exceeded insurance coverage for the three prior fiscal years ended June 30, 2018, June 30, 2017 and June 30, 2016. However, the stipulation discussed above did exceed the District's coverage at the time of the legal decision and the District subsequently purchased excess insurance coverage.

SOBOBA SETTLEMENT ACT

The District is a party to the Soboba Settlement Act (Act). This Act was signed into Law by the President of the United States of America on July 31, 2008 and approved the Settlement Agreement between the Soboba Band of Luiseño Indians; the United States of America (as trustee for the Soboba Tribe); the Lake Hemet Municipal Water District (LHMWD), the Metropolitan Water District of Southern California (MWD), and the District. The Soboba Tribe negotiated a water rights claim with these local water districts for the Tribe's lost water resources from springs and creeks on its reservation caused by construction of the San Jacinto Tunnel by MWD and by construction of Lake Hemet by the LHMWD. Notice regarding the statement of findings for the act was published in the Federal Register on November 28, 2011 and the Settlement Agreement became enforceable.

NOTE 10 - COMMITMENTS (cont'd)

The Settlement Agreement provides that:

- a. The Tribe shall have a senior rights to 9,000 acre feet of water each year;
- b. The local agencies shall develop a groundwater management plan (and a committee to operate that plan);
- c. The District shall contract with MWD for a long term water supply agreement to bring 7,500 acre feet of additional imported settlement water into the area each year to meet the current and future needs;
- d. The local agencies shall construct facilities to bring in the additional water and recharge it into the groundwater basin;
- e. The groundwater management plan is to include arrangements between the municipal pumpers in the area (LHMWD, the cities of Hemet and San Jacinto, and the District) regarding limitations on pumping from the groundwater basin;
- f. The federal government shall provide some funding for compliance with the agreement; and,
- g. MWD and the District will transfer land that each agency owns to the Tribe in full satisfaction of the tribe's damages because of construction of the San Jacinto Tunnel.

The District's share for the construction of the facilities and use of Tribe's water is estimated to be \$8,966,222. The District and local agencies established a financing plan for the construction costs of the facilities. This plan is based upon the repayment schedule for the 2008H COP (while the 2008H COP has been refunded, it does not change the Soboba repayment schedule) and requires the local agencies to contribute towards principal payments totaling \$12,998,778 and interest payments at their proportionate share. All amounts paid or accrued relating to the financing plan are recorded on the District's books.

In association with this settlement agreement, the stipulated judgment required that a watermaster be established to develop and implement a groundwater management plan and administer the provisions of the judgment. The Hemet-San Jacinto Watermaster (Watermaster) was established on April 18, 2013 and began operations in June 2013. Prior to formation of the Watermaster, the local agencies established an interim plan for imported water deliveries from MWD for in-lieu and replenishment water. The local agencies have agreed that the District will continue to purchase and deliver in-lieu and replenishment settlement water and bill the agencies directly on behalf of the Watermaster. The District recorded a \$1,000,984 receivable from the agencies on behalf of the Watermaster for outstanding billings of imported settlement water deliveries as of June 30, 2019.

The first quarter of calendar year 2018 experienced drier weather and below average snow pack conditions. During this period, 4,782 acre feet of imported settlement water was available for recharge to meet the calendar year 2018 required settlement obligation leaving a balance of 2,718 acre feet of undelivered 2018 settlement water. Favorable weather and snow pack conditions in early calendar 2019 resulted in the District importing 6,401 acre feet for recharge in the first half of 2019 leaving a balance of 1,099 acre feet to meet the 7,500 acre feet obligation for imported settlement water. The District's share of imported settlement water recorded in fiscal year 2019 was 2,156 acre feet.

In June 2013, the District established a methodology for valuing its share of the native groundwater in the Hemet-San Jacinto Groundwater Basin, including additions and withdrawals. The District recorded \$11,993,048 in water inventory for the fiscal year ended June 30, 2019. The District's methodology identifies various water layers in the basin and assigns a zero dollar value to native water, with additions of imported settlement water valued at purchased cost and withdrawals valued at a weighted average cost of all inventory layers.

NOTE 10 - COMMITMENTS (cont'd)

The following table illustrates the changes in water inventory for the fiscal year ended June 30, 2019.

	Beginning Balance		Ending Balance	
	June 30, 2018	Additions	Reductions	June 30, 2019
Acre feet	79,509	15,127	(9,667)	84,969
Dollar value	\$ 8,159,969	\$ 4,825,190	\$ (992,111)	\$ 11,993,048

SPECIAL FUNDING DISTRICT BONDS

These bonds are not direct liabilities of the District, and their payment is secured by valid liens on certain lands. Reserves have been established from the bond proceeds to meet delinquencies, should they occur. Neither the faith and credit nor the taxing power of the District is pledged to the payment of the Bonds. If delinquencies occur beyond the amounts held in those reserves, the District has no duty to pay those delinquencies out of any other available funds. The District acts solely as an agent for those paying assessments or special taxes and the bondholders. The Special Funding District Bonds outstanding at June 30, 2019 was \$210,274,283. These are not included in the District's financial statements.

NOTE 11 - CONTINGENCIES

The District is a defendant in various legal actions. Management believes that the ultimate resolution of these actions will not have a significant effect on the District's financial position or results of operations.

NOTE 12 - SANTA ANA WATERSHED PROJECT AUTHORITY

The District became a member of the Santa Ana Watershed Project Authority (SAWPA) in September 1984. SAWPA was formed in 1975, pursuant to the provisions of Article 1, Chapter 5, Division 7, Title 1 of the Government Code of the State of California relating to the joint exercise powers common to public agencies. The purpose of SAWPA is to undertake projects for water quality control and protection and pollution abatement in the Santa Ana Watershed. The authority is governed by a 5-member Commission, consisting of one member from each of the five-member agencies; an alternate from each member agency is also designated. The Commission members select a Commissioner and an alternate.

According to the latest available audited financial statements, as of June 30, 2018 SAWPA had total assets of \$177,074,117 and total net position of \$68,676,959. SAWPA Financial Statements can be obtained by contacting SAWPA at 11615 Sterling Avenue, Riverside, CA 92503 or at www.sawpa.org. The District does not have a measurable equity interest in SAWPA.

NOTE 13 - ADVANCES FROM DEVELOPERS

The District receives deposits from developers in advance to cover various costs for both sewer and water related projects. At June 30, 2019, the amount of refundable deposits was \$24,236,294. When a project is closed, the developer is refunded only the amount remaining after offsetting all accumulated construction in progress costs. If costs exceed the deposit amount during the project, the developer is billed for additional deposits.

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EMWD is advancing the implementation of Phase III of the Solar Photovoltaic Renewable Energy Initiative which will include the installation of solar arrays and appurtenances at five EMWD locations.

REQUIRED SUPPLEMENTARY INFORMATION

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**EASTERN MUNICIPAL WATER DISTRICT
REQUIRED SUPPLEMENTARY INFORMATION
JUNE 30, 2019**

**SCHEDULE OF CHANGES IN NET POSITION LIABILITY AND RELATED RATIOS
DURING THE MEASUREMENT PERIOD**

Last Ten Fiscal Years*

Measurement Period	2017-2018	2016-2017	2015-2016	2014-2015	2013-2014
Total Pension Liability					
Service Cost	\$ 8,950,991	\$ 8,944,792	\$ 7,843,422	\$ 7,679,279	\$ 7,775,568
Interest	30,364,075	28,922,504	27,711,744	26,241,865	24,817,574
Difference between Expected and Actual Experience	3,493,286	(3,044,287)	(377,219)	(117,683)	-
Changes of Assumptions	(3,617,710)	24,934,841	-	(6,714,237)	-
Benefit Payments, Including Refunds of Employee Contributions	(18,783,862)	(16,384,470)	(15,077,250)	(13,746,546)	(13,419,729)
Net Change in Total Pension Liability	20,406,780	43,373,380	20,100,697	13,342,678	19,173,413
Total Pension Liability - Beginning	429,713,231	386,339,851	366,239,154	352,896,476	333,723,063
Total Pension Liability - Ending (a)	<u>\$ 450,120,011</u>	<u>\$ 429,713,231</u>	<u>\$ 386,339,851</u>	<u>\$ 366,239,154</u>	<u>\$ 352,896,476</u>
Plan Fiduciary Net Position					
Contributions - Employer	\$ 10,748,951	\$ 9,699,290	\$ 8,782,080	\$ 8,161,529	\$ 7,786,103
Contributions - Employee	4,437,439	4,294,049	4,187,293	4,204,174	4,510,815
Net Investment Income	25,160,942	30,717,223	1,420,440	6,028,932	40,103,890
Benefit Payments, Including Refunds of Employee Contributions	(18,783,862)	(16,384,470)	(15,077,250)	(13,746,546)	(13,419,729)
Net Plan to Plan Resource Movement	(736)	2,059	-	-	-
Administrative Expense	(462,980)	(397,425)	(164,570)	(303,937)	-
Other Miscellaneous Income(Expense) ¹	(879,206)	-	-	-	-
Net Change in Fiduciary Net Position	20,220,548	27,930,726	(852,007)	4,344,152	38,981,079
Plan Fiduciary Net Position - Beginning ²	297,110,207	269,179,481	270,031,488	265,687,336	226,706,257
Plan Fiduciary Net Position - Ending (b)	<u>\$ 317,330,755</u>	<u>\$ 297,110,207</u>	<u>\$ 269,179,481</u>	<u>\$ 270,031,488</u>	<u>\$ 265,687,336</u>
Plan Net Pension Liability - Ending (a) - (b)	<u>\$ 132,789,256</u>	<u>\$ 132,603,024</u>	<u>\$ 117,160,370</u>	<u>\$ 96,207,666</u>	<u>\$ 87,209,140</u>
Pension Liability	70.50%	69.14%	69.67%	73.73%	75.29%
Covered Payroll	\$ 52,372,367	\$ 53,441,059	\$ 51,405,543	\$ 50,202,213	\$ 48,184,720
Plan Net Pension Liability as a Percentage of Covered Payroll	253.55%	248.13%	227.91%	191.64%	180.99%

*Fiscal Year 2015 was the first year of implementation, therefore, only five years are shown above.

¹ During Fiscal Year 2017-18, as a result of GASB No. 75, Accounting and Financial Reporting for Postemployment Benefit Plan Other than Pensions, CalPERS reported its proportionate share of activity related to postemployment benefits for participation in the State of California's agent OPEB plan. Accordingly, CalPERS recorded a one-time expense as a result of the adoption of GASB 75. Additionally, CalPERS employees participated in various State of California agent pension plans and during Fiscal Year 2017-2018, CalPERS recorded a correction to previously reported financial statements to properly reflect its proportionate share of activity related to pensions in accordance with GASB Statement No. 68, Accounting & Financial Reporting for Pensions.

² Includes any beginning of year adjustment.

Notes To Schedule:

Benefit Changes: The figures above do not include any liability impact that may have resulted from plan changes which occurred after the June 30, 2017 valuation date. This applies to voluntary benefit changes as well as any offers of Two Years Additional Service Credit.

Changes in Assumptions: In 2018, demographic assumptions and inflation rate were changed in accordance to the CalPERS Experience Study and Review of Actuarial Assumptions December 2017. There were no changes in the discount rate. In 2017, the discount rate was reduced from 7.65 percent to 7.15 percent. In 2016, there were no changes. In 2015, amounts reported reflect an adjustment of the discount rate from 7.5 percent (net of administrative expense) to 7.65 percent (without a reduction for pension plan administrative expense.) In 2014, amounts reported were based on the 7.5 percent discount rate.

SCHEDULE OF PENSION PLAN CONTRIBUTIONS

Last Ten Fiscal Years*

Fiscal Year	<u>2018-2019</u>	<u>2017-2018</u>	<u>2016-2017</u>	<u>2015-2016</u>	<u>2014-2015</u>
Actuarially Determined Contribution	\$ 12,446,689	\$ 10,748,951	\$ 9,699,290	\$ 8,782,080	\$ 8,160,464
Contributions in Relation to the Actuarially Determined Contribution	(12,446,689)	(10,748,951)	(9,699,290)	(8,782,080)	(8,160,464)
Contribution Deficiency (Excess)	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Covered Payroll	\$ 53,670,440	\$ 52,372,367	\$ 53,441,059	\$ 51,405,543	\$ 50,202,213
Contributions as a Percentage of Covered Payroll	23.19%	20.52%	18.15%	17.08%	16.26%

*Fiscal Year 2015 was the first year of implementation, therefore, only five years are shown above.

Notes To Schedule:

The actuarial methods and assumptions used to set the actuarially determined contributions for Fiscal Year 2018-19 were from the June 30, 2016 public agency valuations.

Actuarial Cost Method	Entry Age Normal Cost
Amortization Method/Period	20-year period with a 5-year ramp-up/ramp down in accordance with CalPERS Board policy. ¹
Asset Valuation Method	Market Value of Assets ¹
Inflation	2.75%
Salary Increase	Varies by entry age and service
Payroll Growth	3.00%
Investment Rate of Return	7.375%, net of Pension Plan Investment Expenses includes inflation.
Retirement Age	The probabilities of Retirement are based on the 2014 CalPERS Experience Study for the period from 1997 to 2011.
Mortality	The probabilities of mortality are based on the 2014 CalPERS Experience Study for the period 1997 to 2011. Pre-retirement and Post-retirement mortality rates include twenty years of projected mortality improvement using Scale BB published by the Society of Actuaries.

¹ For details, see June 30, 2016 Funding Valuation Report

**SCHEDULE OF CHANGES IN NET OPEB LIABILITY AND RELATED RATIOS
DURING THE MEASUREMENT PERIOD***

Measurement Period	<u>2018</u>	<u>2017</u>
Service Cost	\$ 3,154,255	\$ 2,947,902
Interest	7,509,723	7,081,960
Benefit Payments, Including Refunds of Member Contributions	<u>(4,381,840)</u>	<u>(3,868,785)</u>
Net Change in Total OPEB Liability	6,282,138	6,161,077
Total OPEB Liability - Beginning	106,318,423	100,157,346
Total OPEB Liability - Ending (a)	<u>\$ 112,600,561</u>	<u>\$ 106,318,423</u>
Plan Fiduciary Net Position		
Contributions - Employer	\$ 17,947,401	\$ 18,111,235
Net Investment Income	3,861,399	3,066,258
Benefit Payments, Including Refunds of Member Contributions	(4,381,840)	(3,868,785)
Administrative Expenses	(26,780)	(16,558)
Other Expense	<u>(50,818)</u>	<u>-</u>
Net Change in Plan Fiduciary Net Position	\$ 17,349,362	\$ 17,292,150
Plan Fiduciary Net Position - Beginning	<u>38,399,988</u>	<u>21,107,838</u>
Plan Fiduciary Net Position - Ending (b)	<u>\$ 55,749,350</u>	<u>\$ 38,399,988</u>
Net OPEB Liability - Ending (a) - (b)	<u>\$ 56,851,211</u>	<u>\$ 67,918,435</u>
Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability	49.5%	36.1%
Covered Employee Payroll	\$ 50,161,738	\$ 51,050,693
Net OPEB Liability as a Percentage of Covered Payroll Employee Payroll	113.3%	133.0%

*Fiscal Year 2018 was the first year of implementation, therefore, only two years are shown above.

SCHEDULE OF OPEB CONTRIBUTIONS

Last Ten Fiscal Years*

Fiscal Year Ended June 30	<u>2019</u>	<u>2018</u>
Actuarially Determined Contribution	\$ 10,934,835	\$ 10,833,584
Contributions in Relation to ADC	<u>19,240,938</u>	<u>17,947,401</u>
Contribution Deficiency (Excess)	<u>\$ (8,306,103)</u>	<u>\$ (7,113,817)</u>
Covered Employee Payroll	\$ 50,222,639	\$ 50,161,738
Contributions as a Percentage of Covered Employee Payroll	38.31%	35.78%

*Fiscal Year 2018 was the first year of implementation, therefore, only two years are shown above.

SCHEDULE OF OPEB CONTRIBUTIONS, LAST TEN FISCAL YEARS (cont.)

Notes to Schedule

Actuarial methods and assumptions used to set the actuarially determined contributions for Fiscal Year 2019 were from the June 30, 2017 actuarial valuation.

Methods and assumptions used to determine contributions:

Actuarial Cost Method	Entry Age Normal
Amortization Method/Period	Level percent of payroll over a closed rolling 15-year period
Asset Valuation Method	Market value
Inflation	2.75%
Payroll Growth	3% per annum, in aggregate
Investment Rate of Return	7.00% per annum. Assumes investing in California Employers' Retiree Benefit Trust asset allocation Strategy 1.

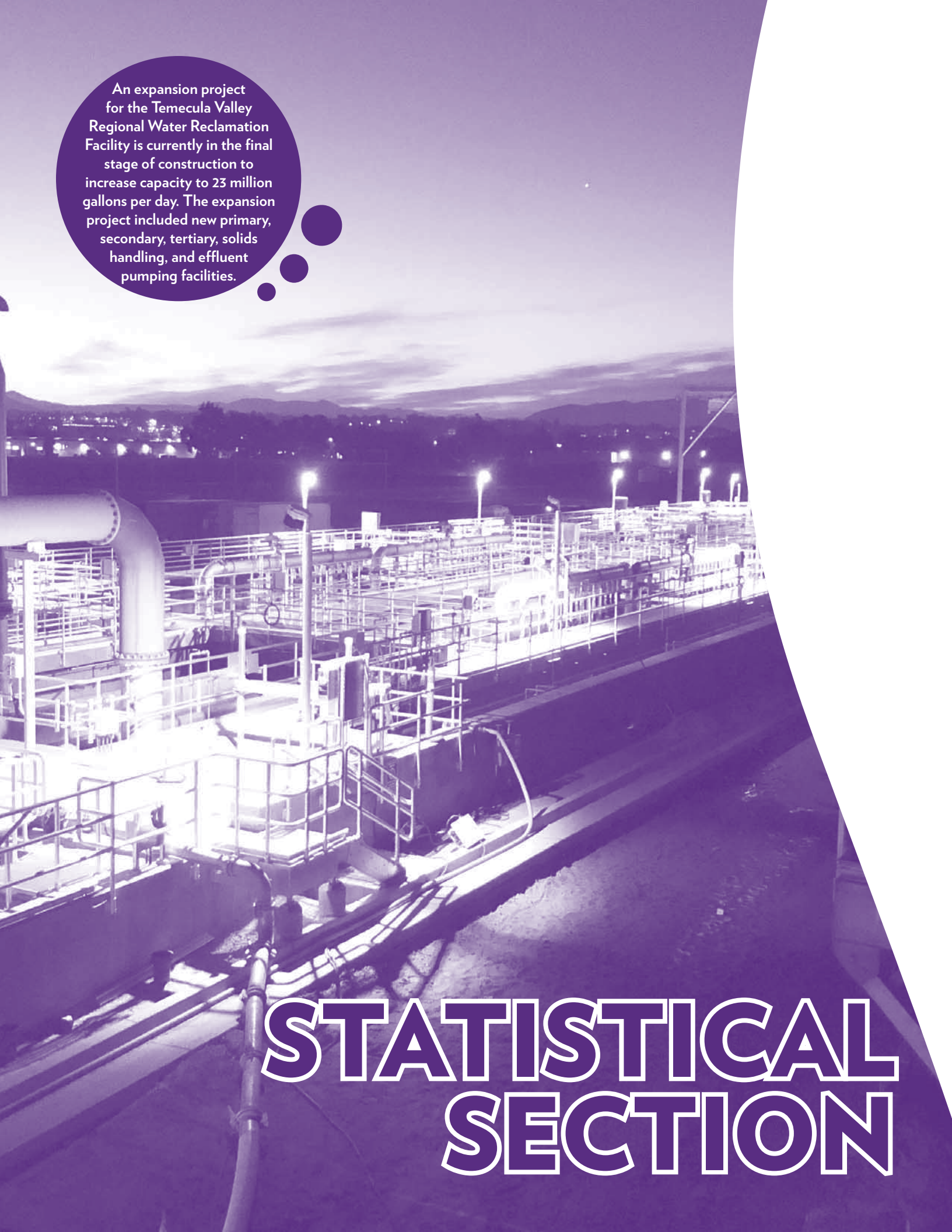
Healthcare cost-trend rates Medical costs are adjusted in future years by the following trends:

<u>Year</u>	<u>PPO</u>	<u>HMO</u>
2018	Actual	Actual
2019	6.5%	6.0%
2020	6.0%	5.5%
2021	5.5%	5.0%
2022+	5.0%	5.0%

Retirement Age According to the retirement rates under the most recent CalPERS pension plan experience study. According to the following retirement tables:
 Employees hired before 11/4/2010: 2.5%@55 (Tier 1)
 Employees hired on or after 11/4/2010: 2%@55 (Tier 2)
 Employees hired on or after 1/1/2013:
 Classic: 2%@55
 New Member: 2%@62

Mortality The probabilities of Retirement are based on the most recent CalPERS pension plan experience study.
 Pre-retirement mortality probability based on 2014 CalPERS 1997-2011 Experience Study covering CalPERS participants. Post-retirement mortality probability based on CalPERS Experience Study 2007-2011 covering participants in CalPERS.

*Historical information is required only for measurement periods for which GASB 75 is applicable. Future years' information will be displayed up to 10 years as information becomes available.



An expansion project for the Temecula Valley Regional Water Reclamation Facility is currently in the final stage of construction to increase capacity to 23 million gallons per day. The expansion project included new primary, secondary, tertiary, solids handling, and effluent pumping facilities.

STATISTICAL SECTION

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STATISTICAL SECTION

This section of the District's comprehensive annual financial report presents detailed information as a context for understanding what the information in the accompanying financial statements, notes disclosures, and required supplementary information says about the District's overall financial health.

CONTENTS

FINANCIAL TRENDS

These schedules contain trend information to help the reader understand how the District's financial performance and well-being have changed over time.

REVENUE CAPACITY

These schedules contain information to help the reader assess the factors affecting the District's ability to generate revenues.

DEBT CAPACITY

These schedules present information to help the reader assess the affordability of the District's current levels of outstanding debt and the District's ability to issue additional debt in the future.

DEMOGRAPHIC AND ECONOMIC INFORMATION

These schedules offer demographic and economic indicators to help the reader understand the environment within which the District's financial activities take place and to help make comparisons over time and with other agencies.

OPERATING INFORMATION

These schedules contain information about the District's operations and resources to help the reader understand how the District's financial information relates to the services the District provides and the activities it performs.

SOURCES

Unless otherwise noted, the information in these schedules is derived from the comprehensive annual financial reports for the relevant year.

STATISTICAL SECTION

Eastern Municipal Water District Net Position by Component Last Ten Fiscal Years

	2010	2011	2012	2013	2014	2015 ¹	2016	2017	2018 ²	2019
Net investment in capital assets	\$ 1,153,155,186	\$ 1,182,870,831	\$ 1,231,275,509	\$ 1,239,753,130	\$ 1,300,393,466	\$ 1,370,476,337	\$ 1,403,875,420	\$ 1,338,331,638	\$ 1,349,982,180	\$ 1,389,284,069
Restricted for debt service/covenants	65,090,658	65,433,313	64,333,290	73,268,230	70,625,613	74,689,785	80,348,698	71,207,358	80,159,371	86,400,881
Restricted for construction	150,977,362	127,083,266	99,513,601	56,375,249	45,199,054	40,347,436	38,265,888	60,632,573	23,827,435	6,161,035
Unrestricted	129,229,640	136,478,455	126,867,540	148,512,588	134,353,793	(7,842,690)	(1,974,861)	62,360,074	94,848,668	154,920,394
Total net position	\$ 1,498,452,846	\$ 1,511,865,865	\$ 1,521,989,940	\$ 1,517,909,197	\$ 1,550,571,926	\$ 1,477,670,868	\$ 1,520,515,145	\$ 1,532,531,643	\$ 1,548,817,654	\$ 1,636,766,379
% Increase	4.6%	0.9%	0.7%	-0.3%	2.2%	-4.7%	2.9%	0.8%	1.1%	5.7%

Note:

¹ The District implemented GASB Statement Nos. 68 and 71 for the fiscal year ended June 30, 2015. As a result of this GASB implementation, the balance in net position includes a net prior period adjustment of (\$103,259,883).

² The District implemented GASB Statement No. 75 for the fiscal year ended June 30, 2018. As a result of this GASB implementation, the balance in net position includes a net prior period adjustment of (\$16,478,890).

STATISTICAL SECTION

Eastern Municipal Water District Changes in Net Position Last Ten Fiscal Years

Fiscal Year	Operating Revenues		Operating Expenses		Operating Loss	Non-operating Revenues/ (Expenses)	Income Before Capital Contributions	Capital Contributions ¹	Change in Net Position
	Water	Wastewater	Water	Wastewater					
2010	102,747,031	65,937,963	134,462,273	96,301,243	(62,078,522)	51,691,692	(10,386,830)	49,369,637	38,982,807
2011	102,009,545	67,114,654	137,981,887	98,467,509	(67,325,197)	41,208,043	(26,117,154)	39,530,173	13,413,019
2012	104,741,242	71,118,648	148,531,957	107,780,498	(80,452,565)	33,845,761	(46,606,804)	56,730,879	10,124,075
2013	112,456,804	74,633,171	154,950,442	108,169,114	(76,029,581)	45,528,065	(30,501,516)	30,446,825	(54,691)
2014	122,724,175	79,225,506	163,774,490	111,720,396	(73,545,205)	57,381,626	(16,163,579)	48,826,308	32,662,729
2015	117,295,152	83,513,268	162,871,146	116,781,896	(78,844,622)	49,992,435	(28,852,187)	59,211,012	30,358,825
2016	112,457,426	93,833,665	154,989,658	121,778,812	(70,477,379)	75,675,617	5,198,238	37,646,039	42,844,277
2017	120,870,937	100,328,285	167,605,351	124,278,289	(70,684,418)	61,439,040	(9,377,050)	21,261,876	12,016,498
2018	135,428,866	105,078,613	180,352,180	124,831,968	(64,676,669)	76,036,077	11,359,408	21,405,493	32,764,901
2019	132,847,172	109,072,232	176,569,992	126,117,304	(60,767,892)	92,051,786	31,283,894	56,664,831	87,948,725

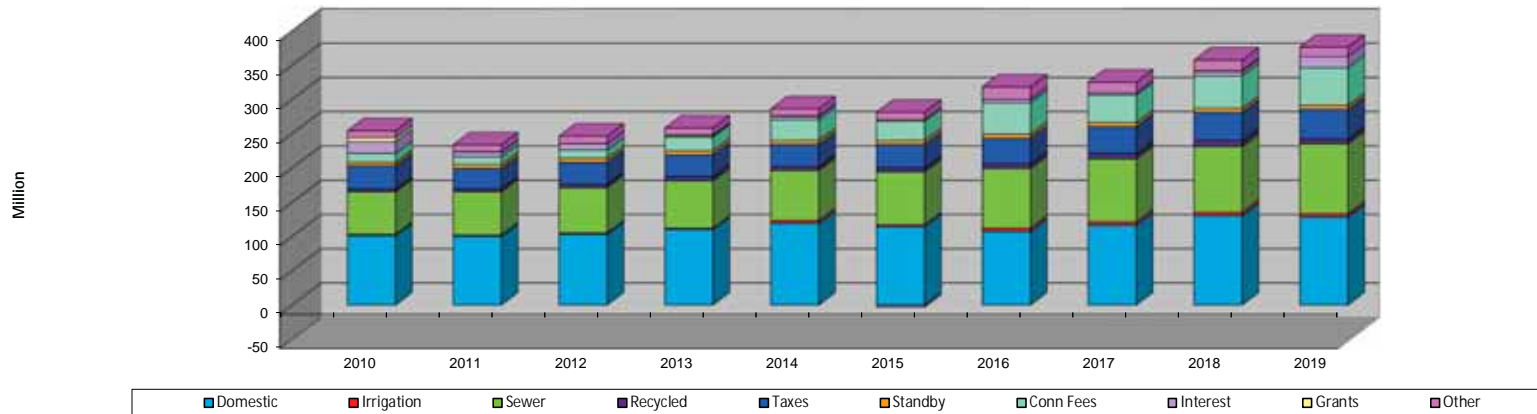
Notes:

¹ Fluctuations in contributed capital are due to the volume of construction activity and project close outs in a fiscal year.

STATISTICAL SECTION

Eastern Municipal Water District
Revenues by Source
Last Ten Fiscal Years

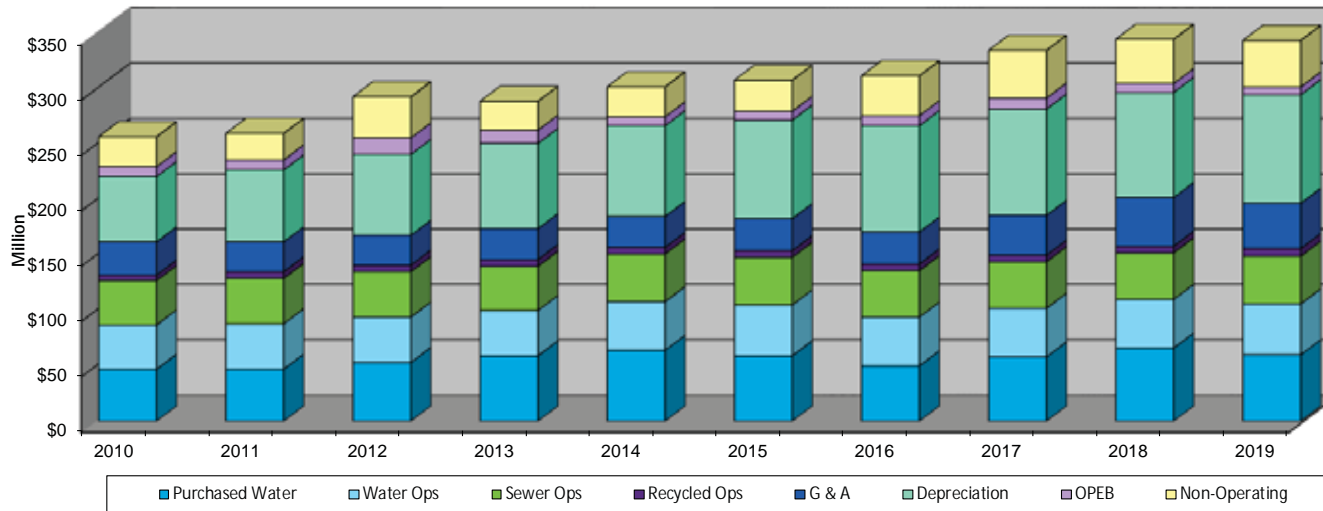
Fiscal Year	Domestic Water Sales	% of Total	Ag & Irrig Water Sales	% of Total	Sewer Service Charges	% of Total	Recycled Water Sales	% of Total	Taxes & Assmnts	% of Total	Standby Assmnts	% of Total	Connect Fees	% of Total	Interest Income	% of Total	Grants	% of Total	Other	% of Total	Total Revenues
2010	100,699,778	39.8%	2,047,253	0.8%	61,885,298	24.5%	4,052,665	1.6%	33,559,211	13.3%	5,246,008	2.1%	13,010,929	5.1%	16,028,408	6.3%	6,063,577	2.4%	10,510,099	4.2%	253,103,226
2011	100,198,290	42.8%	1,811,255	0.8%	62,609,731	26.8%	4,504,923	1.9%	30,354,685	13.0%	5,569,818	2.4%	10,815,294	4.6%	7,553,352	3.2%	517,888	0.2%	10,117,631	4.3%	234,052,867
2012	103,226,203	41.9%	1,515,039	0.6%	65,983,462	26.8%	5,135,186	2.1%	31,730,750	12.9%	5,600,661	2.3%	12,150,826	4.9%	9,208,523	3.7%	373,285	0.2%	11,533,511	4.7%	246,457,446
2013	110,468,194	42.8%	1,988,610	0.8%	68,957,128	26.7%	5,676,043	2.2%	32,555,228	12.6%	5,635,153	2.2%	20,364,185	7.9%	831,935	0.3%	2,052,613	0.8%	9,579,321	3.7%	258,108,410
2014	118,695,153	41.5%	4,029,022	1.4%	73,100,086	25.6%	6,125,420	2.1%	32,578,837	11.4%	5,700,591	2.0%	30,149,861	10.5%	4,923,583	1.7%	969,474	0.3%	9,622,670	3.4%	285,894,697
2015	113,859,511	40.8%	3,435,641	1.2%	77,120,505	27.7%	6,392,763	2.3%	34,100,580	12.2%	5,735,466	2.1%	28,307,625	10.1%	(2,593,627)	-0.9%	1,717,926	0.6%	10,834,613	3.9%	278,911,003
2016	107,319,708	33.7%	5,137,718	1.6%	87,184,856	27.4%	6,648,809	2.1%	36,876,790	11.6%	5,784,242	1.8%	45,715,784	14.4%	5,056,957	1.6%	-	0.0%	18,313,734	5.8%	318,038,598
2017	115,796,435	35.6%	5,074,502	1.6%	92,536,116	28.4%	7,792,169	2.4%	38,578,024	11.9%	5,831,357	1.8%	40,565,197	12.5%	2,650,750	0.8%	131,672	0.0%	16,439,820	5.1%	325,396,042
2018	130,596,237	36.6%	4,832,629	1.4%	96,049,786	26.9%	9,028,827	2.5%	40,802,919	11.4%	5,769,853	1.6%	46,924,875	13.2%	6,033,078	1.7%	1,646,062	0.5%	15,092,302	4.2%	356,776,568
2019	127,831,377	34.0%	5,015,795	1.3%	102,037,610	27.2%	7,034,622	1.9%	43,088,264	11.5%	5,828,077	1.6%	54,665,900	14.5%	15,924,001	4.2%	272,250	0.1%	14,119,698	3.8%	375,817,594



STATISTICAL SECTION

Eastern Municipal Water District
Expenses by Function
Last Ten Fiscal Years

Fiscal Year	Purchased Water	% of Total	Water Operations	% of Total	Sewer Operations	% of Total	Recycled Water Operations	% of Total	General & Admin ¹	% of Total	Depr. & Amort	% of Total	Net OPEB	% of Total	Total Non-Operating Expenses	% of Total	Total Expenses
2010	46,936,179	18.2%	39,967,447	15.5%	39,657,747	15.4%	5,466,039	2.1%	30,256,670	11.7%	59,347,777	23.0%	9,131,657	3.5%	27,061,214	10.5%	257,824,730
2011	46,489,850	17.9%	41,364,910	15.9%	41,247,883	15.9%	6,103,502	2.3%	26,707,578	10.3%	65,354,991	25.1%	9,180,682	3.5%	23,720,625	9.1%	260,170,021
2012	52,697,993	18.0%	40,789,231	13.9%	41,308,806	14.1%	5,748,205	2.0%	27,112,598	9.3%	73,369,622	25.0%	15,286,000	5.2%	36,751,795	12.5%	293,064,250
2013	58,445,847	20.3%	40,994,915	14.2%	40,279,734	14.0%	5,992,260	2.1%	28,392,519	9.8%	77,162,281	26.7%	11,852,000	4.1%	25,490,370	8.8%	288,609,926
2014	63,850,688	21.1%	44,193,507	14.6%	42,710,741	14.1%	5,992,372	2.0%	28,352,049	9.4%	82,037,529	27.2%	8,358,000	2.8%	26,563,390	8.8%	302,058,276
2015	59,040,009	19.2%	45,691,510	14.8%	42,743,947	13.9%	6,101,759	2.0%	28,677,026	9.3%	88,830,791	28.9%	8,568,000	2.8%	28,110,148	9.1%	307,763,190
2016	50,334,462	16.1%	43,582,087	13.9%	42,095,206	13.5%	6,287,916	2.0%	29,687,364	9.5%	95,302,858	30.5%	9,478,577	3.0%	36,071,890	11.5%	312,840,360
2017	57,512,425	17.2%	44,089,564	13.2%	42,232,322	12.6%	6,064,944	1.8%	36,283,686	10.8%	95,968,255	28.7%	9,732,444	2.9%	42,757,780	12.8%	334,641,420
2018	65,846,363	19.1%	44,202,187	12.8%	42,110,008	12.2%	6,417,615	1.9%	43,901,997	12.7%	94,853,174	27.5%	7,852,804	2.3%	40,233,012	11.6%	345,417,160
2019	60,469,414	17.6%	46,398,474	13.5%	42,748,806	12.4%	6,682,894	1.9%	41,420,672	12.0%	97,743,963	28.4%	7,223,073	2.1%	41,846,404	12.1%	344,533,700



Notes:

¹ The increase in fiscal year 2017 includes a \$4.6 million increase in unallocated pension expense. The higher general and administrative expense in fiscal year 2018 includes a \$6.2 million increase in pension expense due to the change in the actuarial discount rate assumption.

STATISTICAL SECTION

Eastern Municipal Water District Water Produced and Consumed and Wastewater Treated Last Ten Fiscal Years

Fiscal Year	← Gallons Produced ¹ →				← Water →					Gallons of Wastewater Treated	← Total Direct Rate →		
	Gallons Produced ¹				Gallons Consumed			Unbilled			Base Rate ^{2,5}	Usage Rate ^{3,5}	Sewer ⁴
	Purchased	Wells	Desalters	Total	Domestic	Ag & Irrig	Total	Total	Avg %				
2010	23,042	5,555	1,816	30,413	27,001	1,116	28,117	2,296	7.5%	16,436	10.52	46.32	22.73
2011	21,611	5,220	1,943	28,774	25,958	857	26,815	1,959	6.8%	16,805	10.52	48.26	22.90
2012	22,365	5,244	1,783	29,392	27,154	690	27,844	1,548	5.3%	16,425	10.52	47.50	23.96
2013	23,709	5,683	1,909	31,301	28,078	860	28,938	2,363	7.6%	16,363	10.52	49.92	24.72
2014	25,057	6,192	1,820	33,069	28,982	1,820	30,802	2,267	6.9%	16,389	10.77	52.50	25.90
2015	22,246	3,789	2,427	28,462	26,040	1,449	27,489	971	3.4%	16,334	11.16	53.76	27.01
2016	19,016	4,820	2,285	26,121	21,608	2,086	23,695	2,426	9.3%	15,483	11.59	57.56	30.12
2017	21,366	5,125	2,194	28,685	23,618	1,951	25,569	3,117	10.9%	15,812	11.83	56.70	31.47
2018	22,908	4,901	2,138	29,947	26,429	1,711	28,140	1,806	6.0%	15,538	11.86	57.34	32.19
2019	21,096	4,699	2,463	28,258	23,022	1,770	24,792	3,466	12.3%	16,284	12.78	62.82	33.65

Notes:

The Information reported above does not include recycled water.

1. Gallons are presented in millions.

2. Rate shown is based on the daily fixed charge for meters up to and including 1" through 2017. Effective 2018, the rate shown is for meters up to and including 3/4".

3. Rate shown is an average rate for 20 billing units. A billing unit is 100 cubic feet of water or 748 gallons.

4. Rate shown is an average rate for one month of service. In February 2013, a new block rate sewer methodology was implemented to compliment the domestic retail water rate structure. This methodology uses the number of household occupants to better align charges with wastewater system costs based upon flow levels.

5. In January 2018, the District revised the daily fixed charge meter factors for all domestic retail customers with meter sizes greater than 3/4".

STATISTICAL SECTION

Eastern Municipal Water District Water and Sewer Rates Last Ten Fiscal Years

Fiscal Year	2010	2011	2012	2013	2014	2015	2016	2017	2018 ³	2019
Water Rates										
Monthly base rate (meter size)										
<=1"	\$ 10.52	\$ 10.52	\$ 10.55	\$ 10.52	\$ 10.77	\$ 11.16	\$ 11.62	\$ 11.83	\$ 11.86	\$ 12.60
1"									16.12	17.10
1 1/2"	27.68	27.68	27.76	27.68	28.29	29.50	30.50	31.03	44.71	47.40
2"	51.40	51.40	51.55	51.40	52.62	54.45	56.73	57.79	69.35	73.50
3"	171.25	171.25	171.72	171.25	175.20	181.59	189.10	192.54	135.05	143.10
4"	270.40	270.40	271.15	270.40	276.49	286.83	298.60	303.86	208.96	221.40
6"	505.53	505.53	506.91	505.53	517.08	536.25	558.15	568.18	414.28	438.90
8"	633.28	633.28	635.01	633.28	647.88	671.60	699.06	712.05	660.65	699.90
10"	-	-	-	-	-	-	-	-	989.15	1,047.90
12"	-	-	-	-	-	-	-	-	1,390.04	1,472.40
Usage rate (per billing unit)¹	\$ 46.32	\$ 48.26	\$ 47.50	\$ 49.92	\$ 52.50	\$ 53.76	\$ 57.56	\$ 56.70	\$ 57.34	\$ 62.82
Sewer Rates (avg per month)²	\$ 22.73	\$ 22.90	\$ 23.96	\$ 24.72	\$ 25.90	\$ 27.01	\$ 30.12	\$ 31.47	\$ 32.19	\$ 33.65

Notes:

The Information reported above does not include recycled water.

Rates are adopted by the Board of Directors annually and become effective on the date of adoption or per Board direction.

1. Rate shown is an average for 20 billing units. A billing unit is 100 cubic feet of water or 748 gallons.

2. In February 2013, a new block rate sewer methodology was implemented, which uses number of household occupants. Previously, the District charged all customers a fixed daily service rate for sewer service for each of its 5 sewer service areas. The average per month is calculated as a weighted average monthly rate per customer.

3. In January 2018, the District revised the daily fixed charge meter factors for all domestic retail customers.

STATISTICAL SECTION

Eastern Municipal Water District Customers by Water Service Type Last Ten Fiscal Years

Fiscal Year	← Treated and Untreated Water →							Total	Recycled	Total
	Residential & Non-Residential ²	Commercial	Industrial	Public Agency	Construction & Temporary	Irrigation	Agricultural			
2010	133,320	3,276	140	597	373	2,260	649	140,615	266	140,881
2011 ¹	131,308	3,240	142	596	327	2,285	670	138,568	265	138,833
2012	132,080	3,272	144	625	353	2,310	694	139,478	283	139,761
2013	133,279	3,308	142	646	373	2,344	692	140,784	297	141,081
2014	134,656	3,347	136	679	426	2,412	721	142,377	316	142,693
2015	136,425	3,410	138	665	412	2,446	759	144,255	356	144,611
2016	138,247	3,472	137	663	432	2,484	790	146,225	379	146,604
2017	140,332	3,573	136	645	449	2,526	812	148,473	420	148,893
2018	143,017	3,617	145	662	510	2,496	227	150,674	511	151,185
2019	145,484	3,787	148	647	533	2,575	204	153,378	575	153,953

Treated and Untreated Water Service Type by Customer Category Fiscal Year 2019

	Residential & Non-Residential ³	Commercial	Industrial	Public Agency	Construction & Temporary	Irrigation	Agricultural ²	Total
Domestic	145,473	3,785	148	613	533	2,572	110	153,234
Agricultural	11	2	-	5	-	3	94	115
Wholesale	-	-	-	29	-	-	-	29
Total	145,484	3,787	148	647	533	2,575	204	153,378

Note:

¹ Decreased amounts are due to level of bank-owned homes relating to the economic downturn and less construction.

² Effective 1/1/18, Non-Residential customers applies to Landscape accounts only and excludes Commercial, Industrial and Institutional accounts.

STATISTICAL SECTION

Eastern Municipal Water District Largest Domestic Water Customers As of June 30, 2019 and June 30, 2010

		2019			2010			
Rank	Customer Name	Annual Water Sales in Acre Feet	Annual Revenues	Percentage	Rank	Annual Water Sales in Acre Feet	Annual Revenues	Percentage
1	City of Perris ¹	1,693	\$ 2,179,479	20.0%	1	1,843	\$ 1,594,810	19.3%
2	Western Municipal Water District ^{1,2}	1,744	2,169,308	19.9%	2	1,511	1,179,192	14.3%
3	City of Moreno Valley	734	1,297,194	11.9%	6	767	818,017	9.9%
4	Valley-Wide Recreation Park	663	1,129,465	10.3%	4	927	1,030,191	12.5%
5	New Highland Meadows	667	907,095	8.3%	-	-	-	0.0%
6	Moreno Valley Unified School District	548	741,417	6.8%	3	967	1,075,792	13.0%
7	County of Riverside	513	735,991	6.7%	-	-	-	0.0%
8	City of Murrieta	364	656,968	6.0%	9	394	444,345	5.4%
9	Val Verde Unified School District	428	636,616	5.8%	7	551	588,704	7.2%
10	Country Meadows II Assoc.	302	468,240	4.3%	-	-	-	0.0%
	Nuevo Mutual Water Company ¹	-	-	-	5	871	695,737	8.4%
	City of Hemet ¹	-	-	-	10	293	365,277	4.4%
	Shadow Mountain Comm. Assoc.	-	-	-	8	411	464,164	5.6%
	Total	7,656	\$ 10,921,773			8,535	\$ 8,256,229	
	Total domestic water sales	70,652	\$ 127,831,378			82,864	\$ 100,699,778	
	Percentage of total	10.8%	8.5%			10.3%	8.2%	

Notes:

- Data includes potable water sales to all non-agricultural customers.
- 1. Wholesale customer.
- 2. Sales relate to Murrieta County Water District customers. This water district was purchased by the Western Municipal Water District.

Source: Eastern Municipal Water District

STATISTICAL SECTION

Eastern Municipal Water District Largest Agricultural & Irrigation Water Customers As of June 30, 2019 and June 30, 2010

		2019			2010			
Rank	Customer Name	Annual Water Sales in Acre Feet	Annual Revenues	Percentage	Rank	Annual Water Sales in Acre Feet	Annual Revenues	Percentage
1	Metropolitan Water District	212	\$ 274,101	27.8%	5	66	\$ 58,844	6.7%
2	Pauline Doan	186	240,618	24.4%	3	129	101,479	11.6%
3	Country Meadows II Assoc.	65	83,913	8.5%				
4	HP Mobile Estates	52	67,390	6.8%	7	69	51,650	5.9%
5	Expressway Dairy	85	64,994	6.6%				
6	Mt. San Jacinto College	46	59,719	6.1%				
7	Demler Egg Ranch	73	51,915	5.3%	8	96	51,269	5.8%
8	Moon Valley Nursery	37	48,139	4.9%				
9	Sunsui Farms	69	47,368	4.8%				
10	Brothers Nursery	37	46,921	4.8%				
	C and R Farms				1	454	252,590	28.8%
	Mc Anally Egg Enterprises				2	141	130,164	14.9%
	Abacherli Dairy				4	103	84,529	9.6%
	Pastime Lakes Dairy				9	102	45,312	5.2%
	Valley Wide Recreation & Park				6	78	58,542	6.7%
	MCM Poultry				10	45	41,994	4.8%
	Total	862	\$ 985,078			1,283	\$ 876,373	
	Total ag. & irrigation water sales	5,432	\$ 5,015,795			3,426	\$ 2,047,253	
	Percentage of total	15.9%	19.6%			37.5%	42.8%	

Notes:

The District has a number of irrigation water rates depending upon service area and whether deliveries are scheduled or unscheduled.

Source: Eastern Municipal Water District

STATISTICAL SECTION

Eastern Municipal Water District Largest Recycled Water Customers As of June 30, 2019 and June 30, 2010

		2019			2010			
Rank	Customer Name	Annual Water Sales in Acre Feet	Annual Revenues	Percentage	Rank	Annual Water Sales in Acre Feet	Annual Revenues	Percentage
1	Valley Wide Recreation Park	719	\$ 428,338	19.4%				
2	America Greenworld Inc	585	233,785	10.6%				
3	Marvo Holstein	1,989	230,705	10.5%				
4	Rancho Casa Loma	2,617	212,928	9.6%	5	2,699	\$ 121,347	6.9%
5	A G Sod Farms	1,667	207,741	9.4%	6	1,822	121,104	6.9%
6	Hemet Golf Club Landmark	321	199,769	9.1%	4	346	137,665	7.9%
7	Agri Empire	1,554	189,205	8.6%	2	3,311	219,574	12.5%
8	Pechanga Water Systems	363	181,740	8.2%				
9	Dept of Fish and Wildlife	3,094	175,077	7.9%	8	2,519	89,466	5.1%
10	City of Moreno Valley	404	147,950	6.7%	7	336	97,212	5.6%
	Inland Empire Energy Center LLC				1	2,194	635,324	36.2%
	SCGA Members Club				3	555	160,877	9.2%
	Sun City Golf Course LLC				9	309	89,259	5.1%
	Bai Jianhua				10	351	81,112	4.6%
	Total	13,313	\$ 2,207,238			14,442	\$ 1,752,940	
	Total recycled water sales	25,811	\$ 7,034,622			28,272	\$ 4,052,665	
	Percentage of total	51.6%	31.4%			51.1%	43.3%	

Notes:

The District has a number of recycled water rates depending upon size of pipe, agricultural or non-agricultural usage and level of treatment.

Source: Eastern Municipal Water District

STATISTICAL SECTION

**Eastern Municipal Water District
Largest Sewer Customers
As of June 30, 2019 and June 30, 2010**

Rank	Customer Name	2019		2010		
		Annual Revenues	Percentage	Rank	Annual Revenues	Percentage
1	New Highland Meadows	\$ 964,442	26.4%			
2	Pechanga Resort and Casino	865,614	23.7%	1	\$ 460,748	26.9%
3	Iris Landing HOA	377,832	10.3%			
4	Murrieta Valley Unified School District	277,428	7.6%	3	145,103	8.5%
5	Colfin AI-CA 4 LLC	244,412	6.7%			
6	Val Verde School District	228,413	6.3%			
7	Hemet Unified School District	198,451	5.4%	8	121,056	7.1%
8	Stonegate at Towngate	196,889	5.4%			
9	Westwind Enterprises	151,305	4.1%	5	132,263	7.7%
10	Casabella Owner's Association	150,233	4.1%			
	Broadstone Vista Apartments			2	245,915	14.3%
	Western States Mobile Home Park			4	141,400	8.2%
	Silverado Apartment Homes			6	128,351	7.5%
	United Dominion Realty Trust			7	122,487	7.1%
	Sienna Pointe Apartments Lp			9	109,476	6.4%
	Rancho Las Brisas Apartments			10	108,950	6.3%
	Total	\$ 3,655,019			\$ 1,715,749	
	Total sewer revenue	\$ 102,037,610			\$ 61,885,298	
	Percentage of total revenue	3.6%			2.8%	

Source: Eastern Municipal Water District

STATISTICAL SECTION

Eastern Municipal Water District Summary of Imported Water Rates Last Ten Fiscal Years (dollars per acre-foot)

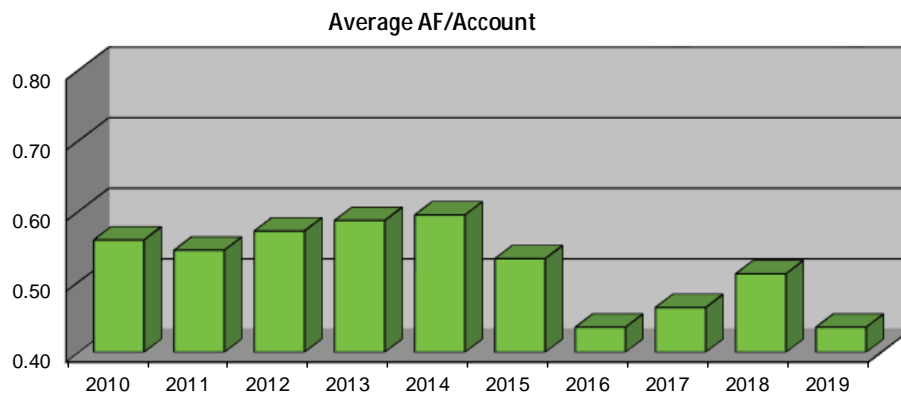
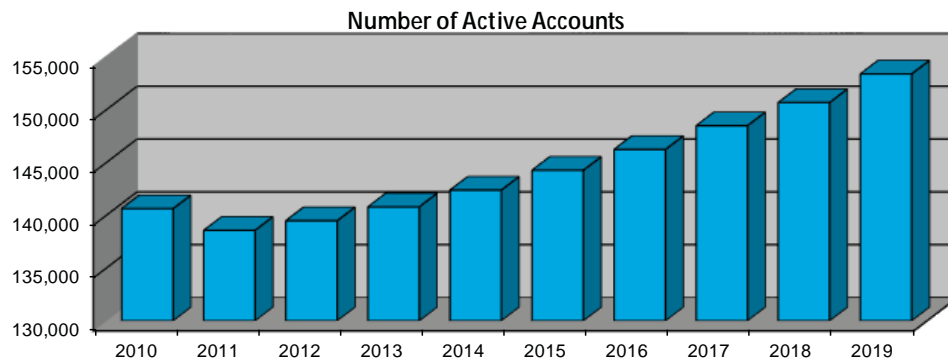
	Rates Effective Beginning January	Full Service Domestic	
		Treated	Untreated
2010	Tier 1	701	484
	Tier 2	811	594
2011	Tier 1	744	527
	Tier 2	869	652
2012	Tier 1	794	560
	Tier 2	920	686
2013	Tier 1	847	593
	Tier 2	997	743
2014	Tier 1	890	593
	Tier 2	1,032	735
2015	Tier 1	923	582
	Tier 2	1,055	714
2016	Tier 1	942	594
	Tier 2	1,076	728
2017	Tier 1	979	666
	Tier 2	1,073	760
2018	Tier 1	1,015	695
	Tier 2	1,101	781
2019	Tier 1	1,050	731
	Tier 2	1,136	817

Source: Metropolitan Water District of Southern California (MWD)

STATISTICAL SECTION

Eastern Municipal Water District Annual Domestic Consumption (AF) Last Ten Fiscal Years

Fiscal Year	Usage (AF)	Active Accounts	Average AF per Account
2010	78,621	140,615	0.56
2011	75,461	138,568	0.54
2012	79,752	139,478	0.57
2013	82,591	140,784	0.59
2014	84,650	142,377	0.59
2015	76,832	144,255	0.53
2016	63,673	146,225	0.44
2017	68,813	148,473	0.46
2018	77,020	150,674	0.51
2019	66,803	153,378	0.44



Notes:

Amounts exclude wholesale accounts.

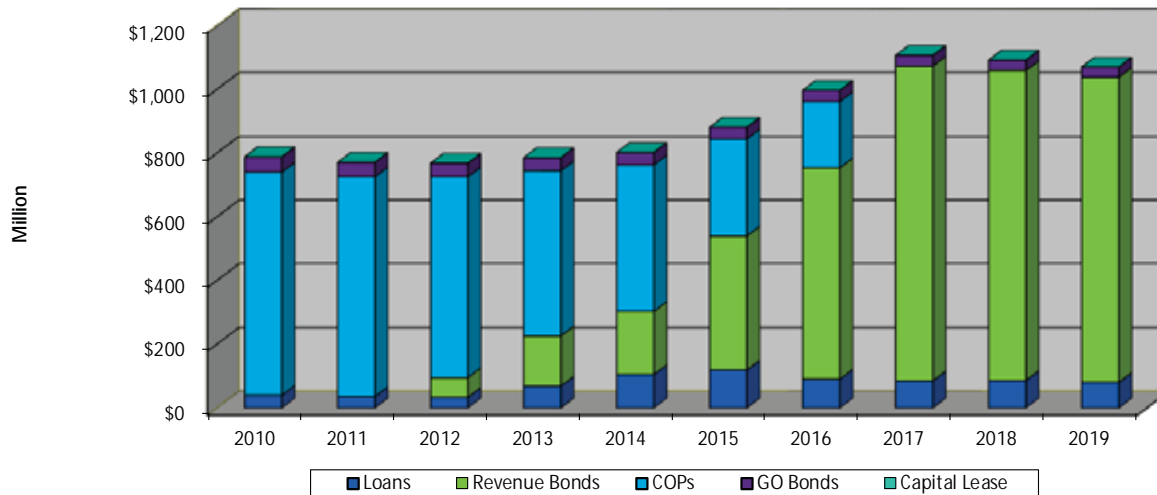
Several factors may impact fluctuations in the average AF per account each year including conservation efforts, the level of bank-owned homes relating to the economic downturn, and changes in weather patterns.

STATISTICAL SECTION

Eastern Municipal Water District Ratio of Outstanding Debt by Type Last Ten Fiscal Years

* See Debt Footnotes for dollar amounts

Fiscal Year	Loans	Revenue Bonds ¹	Certificates of Participation ¹	General Obligation Bonds	Capital Lease	Total	Percentage of Personal Income ²	Debt per Capita ³
2010	40,279,228	-	700,311,094	47,672,284	-	788,262,606	1.18%	1,068
2011	35,818,082	-	689,723,765	45,481,394	-	771,023,241	1.18%	1,014
2012	33,651,101	61,452,320	630,227,034	43,145,504	-	768,475,959	1.14%	1,000
2013	68,749,388	157,648,717	518,338,874	40,949,446	-	785,686,425	1.09%	1,011
2014	105,195,668	198,525,127	459,710,090	38,446,800	55,072	801,932,757	1.08%	1,022
2015	119,352,359	420,407,712	305,016,307	35,896,296	41,574	880,714,248	1.15%	1,108
2016	90,787,233	663,582,542	207,389,271	34,920,903	23,752	996,703,701	1.24%	1,240
2017	85,227,888	987,759,455	-	33,905,509	12,782	1,106,905,634	1.29%	1,356
2018	86,719,548	972,307,446	-	32,845,116	1,018	1,091,873,128	1.21%	1,320
2019	80,934,716	957,255,438	-	31,739,723	-	1,069,929,877	1.12%	1,275



Notes:

Details regarding the District's outstanding debt can be found in Note 4 to the Basic Financial Statements.

¹ In fiscal year 2017, the District issued six refunding revenue bonds to redeem all outstanding certificates of participation and five refunding revenue bonds. A new series revenue bond was issued to finance the construction of water and sewer capital improvements.

² Based upon Riverside County personal income amounts. The District is located in the County of Riverside.

See the personal income amounts on the Demographic and Economic Statistics schedule. Amounts for prior years are updated with the most recent available information.

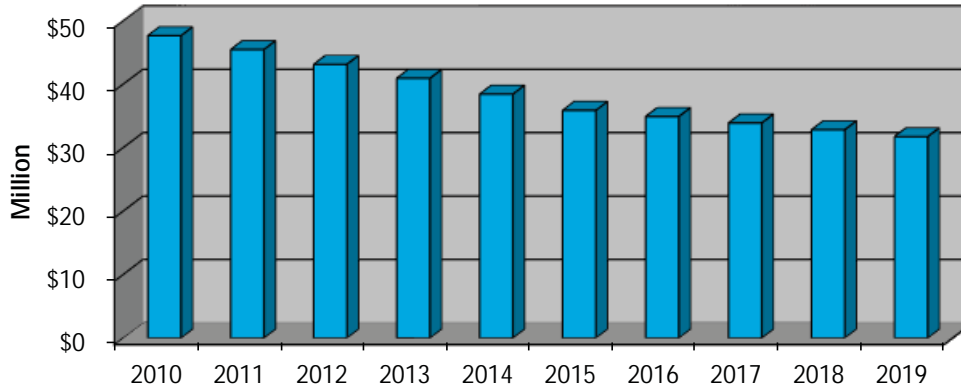
³ Based upon approximate population of District service area. See the Demographic and Economic Statistics schedule for amounts.

STATISTICAL SECTION

Eastern Municipal Water District Ratio of General Bonded Debt Outstanding Last Ten Fiscal Years

Fiscal Year	General Obligation Bonds ¹	Assessed Value ²	Percentage of Assessed Value	Debt per Capita ³
2010	47,672,284	56,743,387,948	0.08%	65
2011	45,481,394	54,294,174,863	0.08%	60
2012	43,145,504	53,890,135,705	0.08%	56
2013	40,949,446	53,506,155,585	0.08%	53
2014	38,446,800	55,926,804,094	0.07%	49
2015	35,896,296	61,313,471,497	0.06%	45
2016	34,920,903	66,226,873,815	0.05%	43
2017	33,905,509	70,005,613,492	0.05%	42
2018	32,845,116	74,231,240,058	0.04%	40
2019	31,739,723	79,484,183,867	0.04%	38

Total Bonds Outstanding



Notes:

Details regarding the District's outstanding debt can be found in Note 4 to the Basic Financial Statements.

¹ Beginning 2010, amounts shown include net bond premium/discount.

² Bonds are issued by improvement district, but the amounts shown are for the District's entire service area. Beginning 2016, included District No. 04-5408: EMWD Detachment#2 in the assessed value.

³ Based upon approximate population of the District's entire service area. See the Demographic and Economic Statistics schedule for amounts.

STATISTICAL SECTION

EASTERN MUNICIPAL WATER DISTRICT PARITY DEBT SERVICE COVERAGE Last Ten Fiscal Years

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
OPERATING REVENUES:										
Water sales	102,747,031	102,479,984	104,741,242	110,468,195	122,724,175	117,295,152	112,457,426	120,870,937	135,428,866	132,847,172
Sewer service sales	61,885,298	62,840,013	65,983,462	70,945,738	73,100,086	77,120,505	87,184,856	92,536,116	96,049,786	102,037,610
Recycled water	4,052,665	4,504,923	5,135,186	5,676,043	6,125,420	6,392,763	6,648,809	7,792,169	9,028,827	7,034,622
Total operating revenues	168,684,994	169,824,920	175,859,890	187,089,976	201,949,681	200,808,420	206,291,091	221,199,222	240,507,479	241,919,404
OPERATING EXPENSES:										
Water purchases	46,936,179	46,489,850	52,697,993	58,445,847	63,850,688	59,040,009	50,334,462	57,512,425	65,846,363	60,469,414
Water operations	39,967,447	41,364,910	40,789,231	40,994,915	44,193,507	45,691,510	43,582,087	44,089,564	44,202,187	46,398,474
Sewer operations	45,123,786	47,351,385	47,057,011	46,271,994	48,703,113	48,845,706	48,383,122	48,297,266	48,527,623	49,431,700
Other Post Employment Benefits (OPEB) Contribution ¹	-	-	2,620,589	5,740,000	6,123,000	8,568,000	9,478,577	9,732,444	7,852,804	7,223,073
General & administrative	30,256,670	26,707,578	27,112,598	28,392,519	28,352,049	28,677,026	29,687,364	36,283,686	43,901,997	41,420,672
Total operating expenses	162,284,082	161,913,723	170,277,422	179,845,275	191,222,357	190,822,251	181,465,612	195,915,385	210,330,974	204,943,333
OPERATING INCOME (LOSS)	6,400,912	7,911,197	5,582,468	7,244,701	10,727,324	9,986,169	24,825,479	25,283,837	30,176,505	36,976,071
NON-OPERATING REVENUES:										
Property taxes - general purpose	29,474,227	25,884,964	26,574,300	27,243,491	28,061,489	30,843,713	32,271,305	33,971,127	36,294,389	38,204,912
Standby charges	5,246,008	5,569,818	5,600,661	5,635,153	5,700,591	5,735,466	5,784,242	5,831,357	5,769,853	5,828,077
Water and sewer connection fees	13,010,929	10,815,294	12,150,826	20,364,185	30,149,861	28,307,625	45,715,784	40,565,197	46,924,875	54,665,900
Interest income ²	16,681,744	7,664,191	7,431,966	4,485,217	3,133,313	3,092,643	3,405,039	4,733,897	8,181,973	11,897,412
Grant revenues	6,063,577	16,137,906	22,926,555	12,503,511	5,214,780	3,830,382	2,823,624	6,164,479	3,128,863	27,966,611
Other income/(expense)	487,672	1,727,067	(4,563,952)	2,967,319	947,126	829,006	2,859,968	(3,494,598)	6,195,691	2,576,604
Total non-operating revenues	70,964,157	67,799,240	70,120,356	73,198,876	73,207,160	72,638,835	92,859,962	87,771,459	106,495,644	141,139,516
Net Water and Sewer Revenues for Debt Coverage	77,365,069	75,710,437	75,702,824	80,443,577	83,934,484	82,625,004	117,685,441	113,055,296	136,672,149	178,115,587
PARITY OBLIGATION DEBT SERVICE:										
Parity Obligation Payments (COP/Bonds)	32,958,765	32,731,966	37,044,680	35,061,971	35,521,108	26,604,369	22,545,830	34,166,392	4,907,150	4,988,750
State Loan Payments	5,800,750	5,703,603	4,115,116	4,322,228	4,013,353	5,877,892	-	-	-	-
Total Parity Obligation Debt Service	38,759,515	38,435,569	41,159,796	39,384,199	39,534,461	32,482,262	22,545,830	34,166,392	4,907,150	4,988,750
PARITY OBLIGATION DEBT SERVICE COVERAGE	2.0	2.0	1.8	2.0	2.1	2.5	5.2	3.3	27.9	35.7
REVENUES AVAILABLE FOR SUBORDINATE OBLIGATIONS	38,605,554	37,274,868	34,543,028	41,059,378	44,400,023	50,142,742	95,139,611	78,888,904	131,764,999	173,126,837
SUBORDINATE OBLIGATION DEBT SERVICE	-	-	-	-	-	2,917,542	20,192,253	10,421,019	45,597,190	46,254,481
SUBORDINATE OBLIGATION DEBT SERVICE COVERAGE	NA	NA	NA	NA	NA	17.2	4.7	7.6	2.9	3.7
REMAINING REVENUES	38,605,554	37,274,868	34,543,028	41,059,378	44,400,023	47,225,200	74,947,358	68,467,886	86,167,809	126,872,356
TOTAL DEBT SERVICE	38,759,515	38,435,569	41,159,796	39,384,199	39,534,461	35,399,804	42,738,083	44,587,410	50,504,340	51,243,231
ALL-IN DEBT SERVICE COVERAGE	2.0	2.0	1.8	2.0	2.1	2.3	2.8	2.5	2.7	3.5

Notes:

- Beginning FY 2012, OPEB contribution expense was separated from Water and Sewer operating expense.
- Beginning FY 2012, excludes change in fair market value of investments (unrealized gain/loss) as these are non-cash items.

STATISTICAL SECTION

Eastern Municipal Water District Demographic and Economic Statistics Last Ten Calendar Years

Calendar Year	Population ¹	Personal Income ² (thousands of \$)	Per Capita Personal Income ²	Unemployment Rate ²
2009	737,868	66,723,925	31,627	13.4%
2010	760,128	65,369,622	30,451	14.7%
2011	768,264	67,568,045	30,685	13.6%
2012	776,986	71,949,357	32,179	12.2%
2013	784,834	74,075,529	32,707	10.3%
2014	794,790	76,493,787	33,383	8.2%
2015	803,973	80,637,967	34,732	6.5%
2016	816,411	86,092,487	36,603	6.1%
2017	827,343	90,273,976	37,827	5.2%
2018	839,226	95,140,992	39,261	4.4%

Notes: ¹ Data is for the District's service area. Amounts for prior years are restated with the most recent available information.

² Data is for the County of Riverside. The District is located within the County. Amounts for prior years are restated for most recent available information.

Sources: State of California Employment Development Department
State of California Department of Finance
U.S. Department of Commerce, Bureau of Economic Analysis

STATISTICAL SECTION

Eastern Municipal Water District Principal Employers Fiscal Year Ended June 30, 2019 and June 30, 2010

Employer	2019		Employer	2010	
	No. of Employees	Percentage of Total Employment		No. of Employees	Percentage of Total Employment
County of Riverside	21,215	2.0%	County of Riverside	18,456	2.4%
March Air Reserve Base	9,000	0.9%	March Air Reserve Base	8,600	1.1%
University of California, Riverside	8,735	0.8%	University of California, Riverside	7,321	0.9%
Kaiser Permanente Riverside Medical Ctr	5,592	0.5%	Stater Brothers Markets	6,900	0.9%
Corona-Norco Unified School District	4,989	0.5%	Wal-Mart	6,550	0.8%
Pechanga Resort and Casino	4,683	0.4%	Riverside Unified School District	5,099	0.7%
Riverside Unified School District	4,335	0.4%	Abbott Vascular	4,500	0.6%
Hemet Unified School District	4,302	0.4%	Pechanga Resort and Casino	4,000	0.5%
Eisenhower Medical Center	3,743	0.4%	Kaiser Permanente Riverside Medical Ctr	3,600	0.5%
Moreno Valley Unified School District	3,684	0.4%	Temecula Valley Unified School District	2,752	0.4%
Total	<u>70,278</u>	<u>6.7%</u>	Total	<u>67,778</u>	<u>8.7%</u>
Total Employment	<u>1,044,600</u>		Total Employment	<u>781,500</u>	

Notes: Data is for the County of Riverside. The District is located within the County.

Sources: Riverside County Economic Development Agency
State of California Employment Development Department

STATISTICAL SECTION

Eastern Municipal Water District Employees by Function Last Ten Fiscal Years

	2010	2011	2012	2013 ⁴	2014	2015 ⁵	2016	2017	2018	2019
Operations and Maintenance Division										
Water Operations and Distribution	63	64	64	65	66	61	65	65	65	66
Water Reclamation	87	90	90	86	87	88	87	85	83	85
Assets & Facility Management (formerly Maintenance Services)	17	17	17	15	15	22	19	19	19	19
Auto Shop and Fabrication Shop (reassigned)	14	16	15	16	15	-	-	-	-	-
Wastewater Collection	15	15	13	14	14	15	14	14	14	15
Mechanical Services (includes Fab Shop)	30	30	30	28	29	31	31	31	30	31
Electrical Services	21	22	23	24	24	23	24	22	26	25
Pipeline Maintenance (formerly included Building & Grounds)	35	37	34	34	34	22	22	22	21	23
Total Operations & Maintenance Division	282	291	286	282	284	262	262	258	258	264
Engineering Division										
General Engineering ^{1,6}	55	53	52	43	44	46	42	45	46	44
Construction Management and Inspections	38	39	39	35	33	29	32	30	31	32
Development Services ⁷	25	26	20	17	18	19	21	21	20	24
Total Engineering Division	118	118	111	95	95	94	95	96	97	100
Planning and Resources Division										
Planning and Resources ²	19	19	20	20	19	20	24	24	24	22
Environmental and Regulatory Compliance	8	9	9	9	10	11	12	12	8	12
Water Quality and Laboratory	14	15	15	14	14	12	12	12	12	11
Source Control	8	9	9	9	10	10	10	11	11	10
Total Planning and Resources Division	49	52	53	52	53	53	58	59	55	55
Executive and Administration										
Executive and Administration ⁶	10	10	11	12	12	13	15	16	12	12
Public and Governmental Affairs ³	3	3	11	11	11	12	12	12	13	11
Human Resources (formerly included Risk Management)	13	13	13	11	12	8	6	7	7	6
Safety/Risk and Emergency Management	-	-	-	-	-	4	5	5	5	5
Billing/Customer Service ⁸	60	62	58	55	53	56	56	54	61	50
Meter Services ⁸	24	24	24	21	19	16	14	13	14	21
Finance and Accounting	21	22	26	22	22	22	22	22	22	23
Information Systems	34	33	34	33	31	30	27	23	24	23
Purchasing, Warehouse and Records Management	26	27	30	28	27	28	28	25	28	27
Fleet Services (formerly Auto Shop)	-	-	-	-	-	11	11	11	12	11
Community Involvement ³	9	8	-	-	-	-	-	-	-	-
Total Executive and Administration	200	202	207	193	187	200	196	188	198	189
Total Filled Positions End of Year	649	663	657	622	619	609	611	601	608	608
Total Authorized Positions Start of Year	676	690	667	636	633	629	631	629	632	636
Change in Authorized Positions from Prior Year	9	14	(23)	(31)	(3)	(4)	2	(2)	3	4
Number of Vacant Positions as of June 30	27	27	10	13	10	20	20	28	24	28
Vacancy Rate as of June 30	4.0%	3.9%	1.5%	2.0%	1.6%	3.2%	3.2%	4.5%	3.8%	4.4%

Notes:

All directors and managers are included with their divisions.

Temporary, contract and summer help employees are not included.

1. The General Engineering departments were reorganized in 2012.

2. The Planning and Resources workgroup was reorganized in 2016.

3. Community Involvement was restructured into Public and Governmental Affairs in 2012.

4. The decrease in filled positions is due to 43 employees accepting a retirement incentive and retiring effective June 30, 2012.

5. Organizational changes in March 2015 affected all divisions and eliminated 3 vacant positions.

6. Organizational changes in December 2015 resulted in the movement of staff from General Engineering to Executive and Administration.

7. Department name changed in 2018 from New Business to Development Services

8. Seven employees moved from Billing/Customer Service to Meter Services in 2019

STATISTICAL SECTION

EASTERN MUNICIPAL WATER DISTRICT OPERATING AND CAPITAL INDICATORS LAST TEN FISCAL YEARS

	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
<u>POTABLE WATER SYSTEM</u>										
Miles of pipeline:										
transmission and distribution: ¹	2,421	2,428	2,430	2,443	2,448	2,463	2,465	2,380	2,476	2,442
as-built	2,260	2,280	2,296	2,366	2,376	2,391	2,399	2,314	2,397	2,368
construction in progress	161	148	134	77	72	72	66	66	79	74
Number of storage tanks	77	77	77	77	77	77	78	79	79	79
Maximum storage capacity (million gallons)	193	191	191	191	191	191	199	203	203	203
Number of active pumping plants	84	83	83	83	83	83	83	84	86	87
Number of active wells:										
domestic	18	21	21	18	18	18	16	16	14	14
desalter ⁴	7	7	8	7	11	11	12	12	12	12
Domestic well production capacity:										
gallons per minute	20,361	22,326	22,285	23,292	23,382	19,299	19,604	14,708	15,625	17,100
million gallons per day	29.3	32.1	32.1	33.5	33.7	27.8	28.2	21.2	22.5	24.6
acre feet per year	32,843	36,013	35,945	37,570	37,715	31,129	31,622	23,725	25,203	27,582
Number of water treatment plants:										
desalter	2	2	2	2	2	2	2	2	2	2
filtration	2	2	2	2	2	2	2	2	2	2
Treatment plant capacity: (million gallons per day)										
desalter plants	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
filtration plants	32.0	32.0	32.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
Number of service connections: ⁵										
active domestic accounts	133,810	135,233	136,478	140,653	142,244	144,123	146,098	148,348	150,558	153,263
active agriculture accounts	146	124	122	131	133	132	127	125	116	115
<u>SEWER SYSTEM</u>										
Miles of sewer lines: ¹										
as-built	1,607	1,626	1,639	1,725	1,735	1,749	1,772	1,741	1,759	1,771
construction in progress	120	110	117	55	64	64	44	49	60	60
Number of treatment plants	5	5	5	5	5	5	5	5	5	5
Treatment plant average design capacity (MGD) ²	60	60	60	68	68	70	70	69	69	69
Average million gallons per day treated	45.0	46.0	45.0	44.8	44.9	44.8	42.4	43.3	42.6	44.6
Percentage of capacity utilized	75%	77%	75%	66%	66%	64%	61%	63%	62%	65%
Number of active lift stations	46	46	47	48	48	47	46	46	50	50
<u>RECYCLED WATER SYSTEM</u>										
Miles of pipeline:										
transmission and distribution: ¹	199	202	206	213	215	217	217	207	211	225
as-built	178	179	186	196	198	200	208	197	197	225
construction in progress	21	23	20	17	17	17	9	10	14	-
Number of active pumping facilities	20	20	20	21	24	24	24	24	24	24
Maximum storage capacity (acre feet) ³	5,714	5,714	5,721	5,736	6,184	6,448	6,448	7,571	7,599	7,599
<u>GENERAL INFORMATION</u>										
Service area (annexed property):										
acres	346,732	346,732	346,732	346,745	346,745	346,745	346,808	346,808	347,280	347,298
square miles	541.8	541.8	541.8	541.8	541.8	541.8	541.9	541.9	542.6	542.7
Gross service area (square miles)	555	555	555	555	555	555	555	555	555	555
Average years of service of employees	10.47	10.84	11.39	11.31	12.11	12.50	12.25	11.90	11.68	11.04

Notes:

1. Miles of pipelines as-built excludes open construction in progress (CIP). CIP reflects what was recorded as open projects as of the year end date.
2. The Sun City RWRF (3 MGD) was formerly included in the total capacity although it was decommissioned. Amounts are now reflected as average design capacity. The Perris RWRF expansion to 25 MGD was completed in 2014.
3. Recycled storage decreased in 2010 relates to lower capacity for Winchester ponds due to operational assessments. Increases since 2014 are due to more accurate measurements from recent surveys, plus conversions of secondary storage to tertiary storage.
4. Desalter wells formerly inactive were placed back into service during 2014.
5. Starting 2013, the number of customer connections billed within the year was used instead of the number of customers as of June 30th.

Source: Eastern Municipal Water District

STATISTICAL SECTION

Eastern Municipal Water District Customer Account Write Offs as a Percentage of Sales Last Ten Fiscal Years

Fiscal Year	Retail Sales	Write Offs	% of Sales
2010	142,354,003	1,035,076	0.7%
2011	143,427,078	734,381	0.5%
2012	149,580,286	703,666	0.5%
2013	159,559,632	717,146	0.4%
2014	170,496,733	851,419	0.5%
2015	169,744,235	823,650	0.5%
2016	171,146,902	714,213	0.4%
2017	182,818,310	475,022	0.3%
2018	200,388,220	331,561	0.2%
2019	201,083,661	266,364	0.1%
Total	<u>\$ 1,690,599,060</u>	<u>\$ 6,652,498</u>	<u>0.4%</u>

Note: Excludes sales collected by other agencies.

Bad Debt Reserves as a Percentage of Accounts Receivable Balance Last Ten Fiscal Years

Fiscal Year	Year End A/R Balance	Reserves	% of A/R
2010	9,603,615	678,848	7.1%
2011	11,170,339	610,537	5.5%
2012	13,072,905	676,182	5.2%
2013	14,195,028	842,850	5.9%
2014	13,805,842	850,608	6.2%
2015	9,916,469	609,075	6.1%
2016	10,127,047	324,530	3.2%
2017	11,882,229	215,340	1.8%
2018	13,595,401	181,535	1.3%
2019	11,763,091	188,441	1.6%

Note: Reserves equal accounts over 60 days past due.

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APPENDIX C

DEFINITIONS AND SUMMARY OF CERTAIN PROVISIONS OF THE PRINCIPAL LEGAL DOCUMENTS

The following is a summary of certain provisions of the Master Resolution, the Installment Purchase Agreement and the Indenture which are not described elsewhere. This summary does not purport to be comprehensive and reference should be made to the applicable document for a full and complete statement of the provisions thereof.

MASTER RESOLUTION

CERTAIN DEFINITIONS OF THE MASTER RESOLUTION

Accreted Values. The term “Accreted Values” means, with respect to any Capital Appreciation Bonds or Capital Appreciation Certificates or other Capital Appreciation Parity Obligations, (i) as of any Valuation Date, the Accreted Value of any Capital Appreciation Bond or any Capital Appreciation Certificate or other Capital Appreciation Parity Obligations set forth for such date in the instrument authorizing such Capital Appreciation Bond or Capital Appreciation Certificate or other Capital Appreciation Parity Obligation, and (ii) as of any date other than a Valuation Date, the sum of (a) the Accreted Value on the preceding Valuation Date and (b) the product of (1) a fraction, the numerator of which is the number of days having elapsed from the preceding Valuation Date and the denominator of which is the number of days from such preceding Valuation Date to the next succeeding Valuation Date, and (2) the difference between the Accreted Values for such Valuation Dates.

Accreted Value Payment Date. The term “Accreted Value Payment Date” means any Installment Payment Date or Other Parity Obligation Payment Date on which Accreted Value is payable.

Appreciated Value. The term “Appreciated Value” means, with respect to any Deferred Income Bond or Deferred Income Certificate or other Deferred Income Parity Obligation, prior to the Interest Commencement Date, (i) as of any Valuation Date, the Appreciated Value of any Deferred Income Bond or any Deferred Income Certificate or other Deferred Income Parity Obligation set forth for such date in the instrument authorizing such Deferred Income Bonds or Deferred Income Certificate or other Deferred Income Parity Obligation and (ii) as of any date other than a Valuation Date, the sum of (a) the Appreciated Value on the preceding Valuation Date and (b) the product of (1) a fraction, the numerator of which is the number of days having elapsed from the preceding Valuation Date and the denominator of which is the number of days from such preceding Valuation Date to the next succeeding Valuation Date, and (2) the difference between the Appreciated Values for such Valuation Dates.

Appreciated Value Payment Date. The term “Appreciated Value Payment Date” means any Installment Payment Date or Other Parity Obligation Payment Date on which Appreciated Value is payable.

Assumed Amortization Period. The term “Assumed Amortization Period” means, with respect to any Parity Obligations, the principal and interest requirements of which are to be recast for purposes of a calculation of the Debt Service Coverage Ratio or in connection with the incurrence of Interim Parity Obligations, the period of time determined, at the election of the District, pursuant to either paragraph (a) or paragraph (b) below:

- (a) twenty-five (25) years; or
- (b) the period of time, not exceeding twenty-five (25) years, set forth in an opinion of an Experienced Banker or Advisor, selected by the District, as being the maximum period of time over which obligations having comparable terms and security issued or incurred by water and sewer districts of comparable type and credit standing would, if then being offered, be marketable on reasonable and customary terms.

Assumed Interest Rate. The term “Assumed Interest Rate” means, with respect to any Parity Obligations, the principal and interest requirements of which are to be recast for purposes of a calculation of the Debt Service Coverage Ratio or in connection with the incurrence of Interim Parity Obligations, the rate per annum determined as

of the last Business Day of the preceding calendar month and determined, at the election of the District, pursuant to clause (i) or clause (ii) below:

(i) a rate per annum equal to (1) ninety percent (90%), if interest on the Parity Obligations is exempt from Federal income taxation, or (2) one hundred ten percent (110%), if interest on the Parity Obligations is subject to Federal income taxation, of the most recently published daily yields to maturity of United States Treasury securities adjusted to a constant maturity of thirty (30) years as published by the Board of Governors of the Federal Reserve System; or

(ii) the rate per annum set forth in an opinion of an Experienced Banker or Advisor, selected by the District, as being the lowest rate of interest (which may be a rate which reflects the exemption of such interest from Federal income taxation if such exemption is then available) at which obligations having comparable terms and security, amortized on a level debt service basis over a period of time equal to the Assumed Amortization Period, and issued or incurred by water and sewer districts of comparable type and credit standing would, if being offered as of such last Business Day of the calendar month, be marketable on reasonable and customary terms, provided that such rate shall not be less than the rate specified in the "Revenue Bond Index" published in The Bond Buyer, or successor index, as in effect on the date of such opinion.

Bond or Contract or Other Parity Reserve Fund. The term "Bond or Contract or Other Parity Reserve Fund" means any debt service reserve fund established to secure the payment of Bond Payments or Installment Payments or Other Parity Obligation Payments.

Bond Payments. The term "Bond Payments" means the principal and interest payments scheduled to be paid by the District on Bonds.

Bonds. The term "Bonds" means all revenue bonds of the District authorized, executed, issued and delivered by the District under and pursuant to applicable law, the interest and principal and redemption premium, if any, payments under and pursuant to which are payable from Net Water and Sewer Revenues on a parity with all other Parity Obligations.

Business Day. The term "Business Day" means any day other than a Saturday, Sunday or legal holiday in the State of California.

Capital Appreciation Bonds. The term "Capital Appreciation Bonds" means any Bonds described as such when issued and as to which interest is payable only at the maturity or prior redemption of such Bonds.

Capital Appreciation Certificates. The term "Capital Appreciation Certificates" means any certificates of participation in Installment Payments described as such when issued and as to which interest is payable only at the maturity or prior redemption of such Certificates.

Capital Appreciation Parity Obligations. The term "Capital Appreciation Parity Obligations" means Parity Obligations described as such when issued and as to which interest is payable only at the maturity or prior redemption of such Parity Obligations, except Capital Appreciation Bonds and Capital Appreciation Certificates.

Certificate Payment Date. The term "Certificate Payment Date" mean, with respect to any Certificate, the Certificate Payment Date designated therein, which is the July 1 on which, or in the case of Certificates subject to mandatory sinking fund prepayment by which, the principal installment evidenced and represented thereby shall become due and payable.

Completion Parity Obligations. The term "Completion Parity Obligations" means any Long-Term Parity Obligations or Interim Parity Obligations incurred or issued by the District for the purpose of financing the completion of a Project for which Long-Term Parity Obligations or Interim Parity Obligations have already been issued or incurred.

Contracts. The term "Contracts" means Installment Sale Agreements, Leases and Contracts of Indebtedness.

Contracts of Indebtedness. The term “Contracts of Indebtedness” means contracts of indebtedness or similar obligations of the District authorized and executed by the District under and pursuant to applicable law, the interest and principal payments under and pursuant to which are payable from Net Water and Sewer Revenues on a parity with all other Parity Obligations.

Convertible Parity Obligations. The term “Convertible Parity Obligations” means Parity Obligations which by their terms permit the District or another designated party on one or more occasions to elect or modify the period for which the rate of interest thereon is fixed.

Credit Enhanced Parity Obligations. The term “Credit Enhanced Parity Obligations” means Parity Obligations the principal of and interest on which are secured by the proceeds of an irrevocable letter of credit, surety bond, insurance policy or other credit facility or arrangement with a person whom the District is obligated to reimburse for advances made for amounts due on such Credit Enhanced Parity Obligations.

Current Water and Sewer Revenues. The term “Current Water and Sewer Revenues” means all gross income and revenue received or receivable by the District from the ownership or operation of the Water and Sewer System, determined in accordance with Generally Accepted Accounting Principles, including all rates, fees, charges (including connection fees and charges and standby or water availability charges) and business interruption insurance proceeds received by the District for the Water and Sewer Service and the other services of the Water and Sewer System and all other income and revenue howsoever derived by the District from the ownership or operation of the Water and Sewer System or arising from the Water and Sewer System, and also including (1) all income from the deposit or investment of any money in the Water and Sewer Revenue Fund, the General Reserve Fund and the Rate Stabilization Fund, (2) all income from the deposit or investment of money held in the Installment Payment Fund, the Subordinate Obligation Fund or any Bond or Contract or Other Parity Reserve Fund or other fund (including, without limitation, a construction or acquisition fund) established pursuant to a Trust Agreement to the extent such income is required to be available to pay Bond Payments or Installment Payments or Other Parity Obligation Payments or is required to be deposited in the Water and Sewer Revenue Fund, and (3) benefit assessments and any proceeds of taxes to the extent the proceeds of such assessments or taxes may be legally pledged to the payment of Parity Obligations, but excluding any refundable deposits made to establish credit and advances or contributions in aid of construction.

Debt Service. The term “Debt Service” means, for any Fiscal Year or other period, the sum of (1) the interest accruing during such Fiscal Year or period on all Outstanding Bonds, assuming that all Outstanding serial Bonds are retired as scheduled and that all Outstanding term Bonds are redeemed or paid from sinking fund payments as scheduled, (2) that portion of the principal amounts of all Outstanding serial Bonds maturing on the next succeeding principal payment date that would have accrued during such Fiscal Year or period if such principal amounts were deemed to accrue daily in equal amounts from the next preceding principal payment date or during the year preceding the first principal payment date, as the case may be, (3) that portion of the principal amount of all Outstanding term Bonds required to be redeemed or paid on the next succeeding redemption date (together with the redemption premiums, if any, thereon) that would have accrued during such Fiscal Year or period if such principal amount (and redemption premiums) were deemed to accrue daily in equal amounts from the next preceding redemption date or during the year preceding the first redemption date, as the case may be, (4) that portion of the Installment Payments required to be made at the times provided in Contracts that would have accrued during such Fiscal Year or period if such Installment Payments were deemed to accrue daily in equal amount from, in each case, the next preceding Installment Payment Date of interest or principal, as the case may be, and (5) that portion of the Other Parity Obligation Payments required to be made at the times provided in the Other Parity Obligations that would have accrued during such Fiscal Year or period if such Other Parity Obligation Payments were deemed to accrue daily in equal amount from the next preceding Other Parity Obligation Payment Date or, with respect to the principal portion thereof, during the year preceding the first principal payment date, as the case may be; provided, that (1) if any of such Bonds are Capital Appreciation Bonds or Deferred Income Bonds, or if the Installment Payments due under any such Contracts are evidenced by Capital Appreciation Certificates or Deferred Income Certificates, or if any Other Parity Obligation Payments due under any such Other Parity Obligations constitute Capital Appreciation Parity Obligations or Deferred Income Parity Obligations, then the principal and interest portion of the Accreted Value of an such Capital Appreciation Obligations and the Appreciated Value of all such Deferred Income Obligations becoming due at maturity or on a scheduled redemption date shall be included in the calculations of Debt Service made under this definition only from and after the date (the “Calculation Date”) which

is one year (or such lesser period if so provided in the instrument authorizing such Obligation) prior to the date on which such Accreted Value or Appreciated Value becomes so due, and the principal and interest portions of such Accreted Value or Appreciated Value shall be deemed to accrue in equal daily installments from the Calculation Date to such date, and (2) that the principal amount of Option Parity Obligations tendered for payment and not remarketed before the stated maturity thereof shall be deemed to accrue on the date required to be paid pursuant to such tender in the manner and only to the extent required by the instrument authorizing such Option Parity Obligations; and provided further, that “Debt Service” shall not include (1) payments due on general obligation bonds for which ad valorem property taxes have been levied and pledged and other general obligation debts for which ad valorem taxes are then being levied and collected or (2) interest on Bonds or Contracts or Other Parity Obligations which are to be paid from amounts constituting capitalized interest held pursuant to a Trust Agreement.

Debt Service Coverage Ratio. The term “Debt Service Coverage Ratio” means for the period in question the ratio of Net Water and Sewer Revenues to the Maximum Annual Debt Service; provided, however, that for purposes of calculating such ratio:

(a) principal and interest requirements on Long-Term Parity Obligations, or portions thereof, shall not be included in the computation of the Maximum Annual Debt Service (i) for any period to the extent such principal or interest, or portions thereof, is payable from amounts (including investment earnings thereon, if any) deposited in trust with a bank or other financial institution for the payment thereof (including without limitations capitalized interest and accrued interest so deposited into trust, escrowed or otherwise set aside) or (ii) for any period occurring after the date on which the Long-Term Parity Obligations are to be redeemed from monies (including investment earnings thereon, if any) which are (1) irrevocably deposited in trust with a bank or other financial institution for such purpose, (2) invested in Defeasance Obligations pending their application to such purpose and (3) verified by an independent certified public accountant as sufficient for such purpose, provided that notice of such redemption shall have been given or arrangement shall have been made therefor, or waiver of such notice shall have been received by the District;

(b) any Long-Term Parity Obligations having a single principal maturity and no sinking fund redemption requirements, or having a principal amount due in any Fiscal Year which exceeds an amount equal to 200% of the maximum principal amount of such Long-Term Parity Obligations that would have become due (whether at maturity or pursuant to sinking fund redemption requirements) in such Fiscal Year if such Parity Obligations Outstanding on the date of calculation had been amortized on a level debt service basis from the date of calculation over the stated term of such Parity Obligations, shall be deemed to bear interest at the Assumed Interest Rate and determined in accordance with paragraph (c) of the definition of Assumed Interest Rate and shall be deemed to be amortized on a level debt service basis over a period of time equal to the Assumed Amortization Period;

(c) the interest on any Variable Rate Parity Obligations shall be calculated in accordance with the definition of Assumed Interest Rate;

(d) the annual principal and interest payment on Long-Term Parity Obligations arising from any Guaranty shall be taken into account as follows:

(i) if at any time within the three full Fiscal Years immediately preceding the computation date, the obligee of the guaranteed obligation shall have demanded that the District pay principal of or interest on the guaranteed obligation and if, within thirty (30) calendar days of the District’s receipt of such demand, the District shall have failed to obtain an Opinion of Counsel to the effect that the District is not legally obligated to honor such demand, then 100% of the annual principal and interest payment scheduled to become due on the guaranteed obligations; or

(ii) otherwise, twenty percent (20%) of the annual principal and interest payments scheduled to become due on the guaranteed obligations;

(e) principal and interest on Option Parity Obligations Certificates shall be determined in accordance with paragraph (h) under the caption “Summary of Certain Provisions of the Master Resolution — Additional Bonds and Contracts and Other Parity Obligations”;

(f) principal and interest on Convertible Parity Obligations shall be determined in accordance with paragraph (i) under the caption “Summary of Certain Provisions of the Master Resolution — Additional Bonds and Contracts and Other Parity Obligations”; and

(g) principal and interest on Credit Enhanced Parity Obligations shall be determined in accordance with paragraph (j) under the caption “Summary of Certain Provisions of the Master Resolution— Additional Bonds and Contracts and Other Parity Obligations”.

Defeasance Securities. The term “Defeasance Securities” means and includes, if and to the extent the same are permitted by law, only such securities as are described in clauses (i), (ii) and (iii) below which shall not be subject to redemption prior to their maturity other than at the option of the holder thereof, or as to which an irrevocable notice of redemption of such securities on a specified redemption date has been given and such securities are not otherwise subject to redemption prior to such specified date other than at the option of the holder thereof, as follows:

(i) any bonds or other obligations which as to principal and interest constitute direct non-callable obligations of, or are unconditionally guaranteed as to the timely payment of principal and interest by, the United States of America, including obligations of any of the Federal agencies to the extent unconditionally guaranteed as to the timely payment of principal and interest by the United States of America;

(ii) any bonds or other obligations of any state of the United States of America or of any agency, instrumentality or local governmental unit of any such state (a) which are not callable prior to maturity or as to which irrevocable instructions have been given to the trustee of such bonds or other obligations by the obligor to give due notice of redemption and to call such bonds for redemption on the date or dates specified in such instructions, (b) which are secured as to principal and interest and redemption premium, if any, by a fund consisting only of cash or bonds or other obligations of the character described in clause (i) above, which fund may be applied only to the payment of such principal of and interest and redemption premium, if any, on such bonds or other obligations on the maturity date or dates thereof or the redemption date or dates specified in the irrevocable instructions referred to in subclause (a) of this clause (ii), as appropriate, and (c) as to which the principal of and interest on the bonds and obligations of the character described in clause (i) above which have been deposited in such fund along with any cash on deposit in such fund are sufficient to pay principal of and interest and redemption premium, if any, on the bonds or other obligations described in this clause (ii) on the maturity date or dates thereof or on the redemption date or dates specified in the irrevocable instructions referred to in subclause (a) of this clause (ii), as appropriate; provided, however, any such bonds or obligations of any state of the United States of America or of any agency, instrumentality or local governmental unit of any state as described above shall be rated “AAA” by S&P and/or “Aaa” by Moody’s; and

(iii) certificates that evidence ownership of the right to payments of principal or interest on obligations described in clause (i), but only if the same constitute Refcorp interest strips, CATS, TGRS and STRPS (as such terms are used in the municipal bond industry).

Deferred Income Bonds. The term “Deferred Income Bonds” means any Bonds as to which accruing interest is not paid prior to the Interest Commencement Date specified in the instrument authorizing such Bonds.

Deferred Income Certificates. The term “Deferred Income Certificates” means any certificates of participation in Installment Payments as to which accruing interest is not paid prior to the Interest Commencement Date.

Deferred Income Parity Obligations. The term “Deferred Income Parity Obligations” means Parity Obligations as to which accruing interest is not paid prior to the Interest Commencement Date specified in the instrument authorizing such Parity Obligations, except Deferred Income Bonds and Deferred Income Certificates.

Experienced Banker or Advisor. The term “Experienced Banker or Advisor” means a reputable investment banker experienced in underwriting obligations of the type which is the subject of an opinion rendered in accordance with a provision of the Master Resolution, or a reputable financial advisor experienced in advising issuers in

connection with such issuers' issuance of obligations of the type which is the subject of an opinion rendered in accordance with a provision of the Master Resolution.

Fiscal Year. The term "Fiscal Year" means the period beginning on July 1 of each year and ending on the next succeeding June 30, or any other annual accounting period selected and designated by the Board of Directors of the District as the Fiscal Year of the District.

Generally Accepted Accounting Principles. The term "Generally Accepted Accounting Principles" means the uniform accounting and reporting procedures set forth in publications of the American Institute of Certified Public Accountants or its successor, or by any other generally accepted authority on such procedures, and includes, as applicable, the standards set forth by the Governmental Accounting Standards Board or its successor.

Guaranty. The term "Guaranty" means a loan commitment or other obligation of the District, which loan commitment or other obligation guarantees in any manner, whether directly or indirectly, any obligation of any other person and which obligation of the District is payable from Net Water and Sewer Revenues on a parity with all other Parity Obligations; provided that "Guaranty" shall not include Maintenance and Operation Obligations.

Installment Payment Date. The term "Installment Payment Date" means any date on which Bond Payments or Installment Payments are scheduled to be paid by the District under and pursuant to any Contract or Bonds.

Installment Payments. The term "Installment Payments" means Contract Payments, Installment Sale Payments or Lease Payments.

Installment Sale Agreements. The term "Installment Sale Agreements" means installment sale agreements or similar obligations of the District authorized and executed by the District under and pursuant to applicable law, the interest and principal payments under and pursuant to which are payable from Net Water and Sewer Revenues on a parity with all other Parity Obligations.

Installment Sale Payments. The term "Installment Sale Payments" means the Installment Sale or other periodic payments scheduled to be paid by the District under and pursuant to Installment Sale Agreements.

Interest Commencement Date. The term "Interest Commencement Date" means, with respect to any particular Deferred Income Bonds or Deferred Income Certificates or other Deferred Income Parity Obligations, the date specified in the instrument authorizing such Bonds or Certificates or other Deferred Income Parity Obligations (which date must be prior to the maturity date for such Bonds or Certificates or other Deferred Income Parity Obligations) after which interest accruing on such Bonds or Certificates or other Deferred Income Parity Obligations shall be payable with the first such payment date being the applicable interest payment date immediately succeeding such Interest Commencement Date.

Interest Payment Date. The term "Interest Payment Date" means any date on which Bond Payments or Installment Payments are scheduled to be paid by the District under and pursuant to any Contract or Bonds.

Law. The term "Law" means the Municipal Water District Law of the State of California, being Division 20 of the Water Code of California, as amended, and any laws amendatory thereof or supplemental thereto.

Lease Payments. The term "Lease Payments" means the rental payments scheduled to be paid by the District under and pursuant to Leases.

Leases. The term "Leases" means capital leases or similar obligations of the District authorized and executed by the District under and pursuant to applicable law, the interest and principal payments under and pursuant to which are payable from Net Water and Sewer Revenues on a parity with the payment of any other Parity Obligations.

Liquidity Backer. The term “Liquidity Backer” means any bank or other financial institution whose long term indebtedness is rated AA or better by Standard & Poor’s Corporation or whose long term indebtedness is rated Aa or better by Moody’s Investors Service, Inc., such ratings to be determined without regard to “+” or “-”.

Long-Term. The term “Long-Term” when used in connection with Parity Obligations, shall mean Parity Obligations having an original maturity greater than one year or renewable at the option of the District for a period greater than one year from the date of original incurrence or issuance thereof, which shall not include the current portion of such Long-Term Parity Obligations as determined in accordance with Generally Accepted Accounting Principles.

Maintenance and Operation Costs. The term “Maintenance and Operation Costs” means all payments in respect of Maintenance and Operation Obligations plus all costs paid or incurred by the District for maintaining and operating the Water and Sewer System, determined in accordance with Generally Accepted Accounting Principles, including all costs of water purchased or leased by the District, and including all expenses of management and repair and other expenses necessary to maintain and preserve the Water and Sewer System in good repair and working order, and including all cash of the District, such as salaries and wages of employees, overhead, taxes (if any) and insurance premiums, and including all other costs of the District or charges required to be paid by it to comply with the terms of the Master Resolution or of any resolution authorizing the execution of any Parity Obligations, such as compensation, reimbursement and indemnification of the trustee, seller, lender or lessor for any such Parity Obligations, and fees and expenses of independent certified public accountant; but excluding in an cases (1) depreciation, replacement and obsolescence charges or reserves therefor and amortization of intangibles, premiums and discounts, (2) interest expense and (3) amount paid from other than Water and Sewer Revenues (including, but not limited to, amounts paid from the proceeds of ad valorem property taxes).

Maintenance and Operation Obligation. The term “Maintenance and Operation Obligation” means any contract or lease for the purchase of any facilities, properties, structures, or works, or any loan of credit to or guaranty of debt, claims or liabilities of any other person for the purpose of obtaining any facilities, properties, structures or works, the final payments under which are due more than five years following the effective date thereof, so long as in each case the payment thereunder are to constitute Maintenance and Operation Costs.

Master Resolution. The term “Master Resolution” means the Master Resolution as defined in the front portion of this Official Statement.

Maximum Annual Debt Service. The term “Maximum Annual Debt Service” means the greatest total Debt Service on Long-Term Parity Obligations (computed in accordance with clauses (a) through (g) of the definition of Debt Service Coverage Ratio) due in any Fiscal Year during the period commencing with the Fiscal Year in which such computation is made and terminating (except as otherwise provided in paragraph (e) under the caption “Summary of Certain Provisions of the Master Resolution—Additional Bonds and Contracts and Other Parity Obligations”) with the Fiscal Year in which payments are due under the last Outstanding Bond or the last Outstanding Contract or the last Outstanding Other Parity Obligation, whichever is later.

Monthly Accrued Debt Service. The term “Monthly Accrued Debt Service” means, with respect to any month, an amount equal to the sum of Debt Service with respect to all Bonds and Contracts and Other Parity Obligations accrued and to accrue to the end of such month.

Net Water and Sewer Revenues. The term “Net Water and Sewer Revenues” means, for any Fiscal Year or other period, the Water and Sewer Revenues during such Fiscal Year or period less the Maintenance and Operations Costs during such Fiscal Year or period.

Obligation. The term “Obligation” means, without duplication, (a) all obligations of the District for borrowed money or which have been incurred or assumed in connection with the acquisition of any portion of the Water and Sewer System; (b) the liability of the District under any lease or other agreement which is properly capitalized on the balance sheet of the District in accordance with Generally Accepted Accounting Principles; and (c) any Guaranty.

Opinion of Counsel. The term “Opinion of Counsel” means a written opinion of counsel of recognized national standing in the field of law relating to municipal bonds, retained by the District and reasonably acceptable to the Trustee.

Option Bonds. The term “Option Bonds” means Bonds which by their terms may be or are required to be tendered by and at the option of the holder thereof for payment or purchase by the District or a third party prior to the stated maturity thereof.

Option Certificates. The term “Option Certificates” means any certificates of participation in Installment Payments which by their terms may be or are required to be tendered by or at the option of the holder thereof for payment or purchase by the District or a third party prior to the stated maturity thereof.

Option Parity Obligations. The term “Option Parity Obligations” means any Parity Obligations which by their terms may be or are required to be tendered by and at the option of the holder or owner thereof for payment or purchase by the District or a third party prior to the stated maturity thereof, including without limitation Option Bonds and Option Certificates.

Other Parity Obligations. The term “Other Parity Obligations” means all Parity Obligations except Bonds, Contracts and Reimbursement Agreements.

Other Parity Obligation Payments. The term “Other Parity Obligation Payments” means the periodic payments scheduled to be paid by the District under and pursuant to Other Parity Obligations.

Other Parity Obligation Payment Dates. The term “Other Parity Obligation Payment Dates” means any date on which Other Parity Obligation Payments are scheduled to be paid by the District under and pursuant to any Other Parity Obligation.

Outstanding. The term “Outstanding” means, with respect to any Parity Obligations, those Parity Obligations which are not deemed paid in accordance with their terms.

Parity Obligation Payments. The term “Parity Obligation Payments” means the periodic payments scheduled to be made by the District under and pursuant to Parity Obligations.

Parity Obligations. The term “Parity Obligations” means all Obligations, the payments of which are payable from Net Water and Sewer Revenues on a parity with all other Parity Obligations, including without limitation Bonds, Contracts, Guaranties and Reimbursement Agreements.

Principal Payment Date. The term “Principal Payment Date” means a date on which principal installments evidenced and represented by the Certificates becomes due and payable, being July 1 of each year to which reference is made.

Project. The term “Project” means a specified list of any additions, betterment, extensions or improvements to the Water and Sewer System.

Refunding Parity Obligations. The term “Refunding Parity Obligations” means any Parity Obligations issued for the purpose of refunding Outstanding Parity Obligations.

Reimbursement Agreement. The term “Reimbursement Agreement” means an agreement between the District and a bank or financial institution providing for the issuance of a letter of credit, reserve fund insurance policy, guaranty or surety bond for the purpose of making Bond Payments or Installment Payments or Other Parity Obligation Payments and requiring the District to make payments to reimburse or compensate such bank or financial institution for draws under such instruments from Net Water and Sewer Revenues on a parity with all Other Parity Obligations.

Reimbursement Payments. The term “Reimbursement Payments” means amount payable by the District as compensation or reimbursement for draws or the right to make a draw on a letter of credit, reserve fund insurance

policy, guaranty or surety bond for the purpose of making Bond Payment or Installment Payments or Other Parity Obligation Payment in accordance with any Reimbursement Agreement.

Short Term. The term “Short-Term” when used in connection with Parity Obligations, means Parity Obligations having an original maturity less than or equal to one year and not renewable at the option of the District for a term greater than one year beyond the date of original incurrence or issuance.

Subordinate Obligation Payments. The term “Subordinate Obligation Payments” means the payments scheduled to be paid by the District under and pursuant to Subordinate Obligations.

Subordinate Obligations. The term “Subordinate Obligations” means obligations of the District authorized and executed by the District under applicable law, the payments under and pursuant to which are payable from Net Water and Sewer Revenues, from the Subordinate Obligation Payment Fund, subject and subordinate to Parity Obligation Payments.

Trust Agreement. The term “Trust Agreement” means any resolution, indenture or trust agreement providing for the issuance of Bonds or certificates of participation or any Other Parity Obligation.

Valuation Date. The term “Valuation Date” means, with respect to any Capital Appreciation Bond, Capital Appreciation Certificate, Deferred Income Bond or Deferred Income Certificate, any date on which the value of such Bond or Certificate is to be determined in accordance with the instrument authorizing such Bond or Certificate.

Variable Rate Parity Obligations. The term “Variable Rate Parity Obligations” means any portion of Parity Obligations the rate of interest on which is not established at the time of incurrence as one or more numerical rates applicable throughout the term thereof or for specified periods during the term thereof, with the result that at the time of incurrence the numerical rate of interest which will be in effect during any portion of the term thereof cannot be determined.

Water and Sewer Revenues. The term “Water and Sewer Revenues” means the Current Water and Sewer Revenues plus deposits to the Water and Sewer Revenue Fund from amounts on deposit in the Rate Stabilization Fund less amounts transferred from the Water and Sewer Revenue Fund to the Rate Stabilization Fund.

Water and Sewer Service. The term “Water and Sewer Service” means the water and sewer service furnished, made available or provided by the Water and Sewer System.

Water and Sewer System. The term “Water and Sewer System” means: (i) all property rights, contractual rights and facilities of the District relating to water, including all facilities for the treatment, conservation, storage, transmission and distribution of water now owned by the District and all other properties, structures or works for the treatment, conservation, storage, transmission and distribution of water and the generation and delivery of hydroelectric power in connection therewith acquired and constructed by or for the District and determined by the District to be a part of the Water and Sewer System; and (ii) all property rights, contractual rights and facilities of the District relating to wastewater, including all facilities for the transporting, treating, neutralizing, stabilizing or disposing of wastewater now owned by the District and all other properties, structures or works for the transporting, treating, neutralizing, stabilizing or disposing of wastewater acquired and constructed by or for the District and determined by the District to be a part of the Water and Sewer System; together with all additions, betterments, extensions or improvements to such facilities, properties, structures or works or any part thereof acquired and constructed.

ESTABLISHMENT OF FUNDS

The District establishes and agrees to maintain, so long as any Parity Obligations or Subordinate Obligations remain outstanding, a Rate Stabilization Fund, a Water and Sewer Revenue Fund, an Operating Fund, an Installment Payment Fund, an Operating Reserve Fund, a Subordinate Obligation Payment Fund and a General Reserve Fund. Each of these funds will be held by the Director of Finance of the District. Amounts in such funds shall be disbursed, allocated and applied solely to the uses and purposes set forth in the Master Resolution and shall

be accounted for separately and apart from all other accounts, funds, money or other resources of the District. The District will only have such beneficial right or interest in such money as is provided in the Master Resolution.

DEPOSITS AND WITHDRAWALS FROM RATE STABILIZATION FUND

From time to time the District may deposit in the Rate Stabilization Fund from Current Water and Sewer Revenues such amount as the District shall determine. All amounts transferred by the District from the Rate Stabilization Fund to the Water and Sewer Revenue Fund shall be used by the District solely to pay Maintenance and Operation Costs. All interest or other earnings upon deposit in the Rate Stabilization Fund shall be withdrawn therefrom and accounted for as Current Water and Sewer Revenues.

USE OF OTHER FUNDS

The District may withdraw amounts from the Installment Payment Fund solely for the purpose of paying Parity Obligation Payments at the times and in the amounts required by applicable Parity Obligations.

The District may withdraw amounts from the Subordinate Obligation Payment Fund solely for the purpose of paying payments to be made under or pursuant to Subordinate Obligations at the times and in the amounts required by applicable Subordinate Obligations or resolutions, trust agreements or indentures securing such Subordinate Obligations.

The District may withdraw money in the General Reserve Fund for any lawful purpose of the District, except to make transfers to the Rate Stabilization Fund.

The District may withdraw amounts from the Operating Fund for the purpose of paying all reasonable and necessary Maintenance and Operation Costs.

The District may withdraw amounts from the Operating Reserve Fund for the purpose of paying all reasonable and necessary Maintenance and Operation Costs to the extent sufficient funds are not otherwise available within the Operating Fund for such purposes. If at any time the amount on deposit in the Operating Reserve Fund is in excess of 1/4 of the Maintenance and Operation Costs as set forth in the then current annual budget of the District, the District may transfer such excess to the General Reserve Fund.

ADDITIONAL BONDS AND CONTRACTS AND OTHER PARITY OBLIGATIONS

The District may at any time incur or issue Parity Obligations, including without limitation any Bonds the Bond Payments under and pursuant to which, or execute any Contract the Installment Payments under and pursuant to which, or incur any Other Parity Obligations the Other Parity Obligation Payments under and pursuant to which, as the case may be, are payable from the Net Water and Sewer Revenues on a parity with the 1991 Installment Sale Agreement and all Other Parity Obligations; provided:

a. The District shall file a Certificate of the District with each Trustee to the effect that the District is not then in default under any Trust Agreement or with respect to any Parity Obligation.

b. Such Bond or Contract or Other Parity Obligation shall not allow the declaration of Bond Payments or Installment Payments or Other Parity Obligation Payments thereunder to be immediately due and payable in the event of a default by the District thereunder or under the applicable Trust Agreement or other agreement unless such remedy is then allowed with respect to all Parity Obligations then Outstanding.

Notwithstanding the foregoing provisions, there shall be no limitations on the ability of the District to execute Reimbursement Agreements.

c. Long-Term Parity Obligations may be incurred provided that one of the following tests is satisfied:

1. the Debt Service Coverage Ratio for the most recent period of 12 full consecutive calendar months for which the financial statements of the District has been reported upon by an independent certified public accountant, taking into account (i) all Outstanding Long-Term Parity Obligations then Outstanding, (ii) the Long-Term Parity Obligations then proposed to be incurred, and (iii) all decreases (but not increases), if any, for Water and Sewer Service approved or then in effect as of such date of calculation, is not less than 1.10, and a Certificate of the District so certifying and setting forth in sufficient detail the computation thereof is filed with the trustee under each Trust Agreement along with the financial statements and report of accountants thereon if they are not already on file with such trustee; or

2. (A) the Debt Service Coverage Ratio for the most recent period of 12 full consecutive calendar months for which the financial statements of the District has been reported upon by an independent certified public accountant, (i) taking in to account all Outstanding Long-Term Parity Obligations then Outstanding, (ii) but not taking into account the Long-Term Parity Obligations then proposed to be incurred and (iii) taking into account both the completion of all uncompleted Projects, if any, and the costs, if any, of financing such completion, and (iv) taking into account all increases and decreases, if any, for Water and Sewer Service approved or then in effect as of such date of calculation, is not less than 1.15, and a Certificate of the District so certifying and setting forth in sufficient detail the computation thereof is filed with the trustee under each Trust Agreement along with the financial statements and report of accountants thereon if they are not already on file with such trustee; and

(B) taking into account the matters listed in clauses (i), (iii) and (iv) of paragraph (A) above, plus the then proposed Long-Term Parity Obligations, the Debt Service Coverage Ratio for the first full Fiscal Year of the District following the completion of the Project, if any, being paid for with the proceeds of such proposed Long-Term Parity Obligations, or following the incurrence of Long-Term Parity Obligations for refunding purposes, is expected to be not less than 1.15.

d. Completion Parity Obligations may be incurred without satisfying any of the tests described in the Master Resolution.

e. Refunding Parity Obligations may be incurred provided that the report or opinions set forth in paragraph (c) above shall be delivered unless, at the time of issuance of such Refunding Parity Obligations and after giving effect thereto and to the application of the proceeds thereof, Maximum Annual Debt Service, for each subsequent Fiscal Year up to and including the Fiscal Year in which the Long-Term Parity Obligations to be refunded were originally scheduled to be Outstanding, would not be increased by more than 5%; provided, however, that if the Long-Term Parity Obligations to be refunded do not cease to be Outstanding upon, or substantially contemporaneously with the incurrence of such Refunding Parity Obligations, such Refunding Parity Obligations may be incurred pursuant to this paragraph (e) only if the proceeds (including investment earnings, thereon, if any) of the Refunding Parity Obligations are (1) irrevocably deposited in trust with an escrow agent, (2) invested in Defeasance Obligations pending their application to such purpose, and (3) verified by an independent certified public account as sufficient for such purpose; provided that notice of such redemption shall have been given or arrangements shall have been made therefor, or waiver of such notice shall have been received by the District.

f. Short-Term Parity Obligations may be incurred provided that (1) the Outstanding principal amount of Short-Term Parity Obligations incurred pursuant to this subsection does not exceed fifteen percent (15%) of the Net Water and Sewer Revenues, and (2) for a period of twenty (20) consecutive days during each Fiscal Year any Short-Term Parity Obligations shall be reduced to an aggregate Outstanding principal amount not exceeding five percent (5%) of the Net Water and Sewer Revenues for the most recent Fiscal Year, provided that Parity Obligations initially incurred pursuant to this subsection shall be deemed incurred pursuant to paragraph (c) above (and shall no longer be deemed incurred pursuant to this paragraph) on the day following that on which a Certificate of the District shall be delivered to each Trustee pursuant to paragraph (c) above, which Certificate shall include such Parity Obligations.

g. Interim Parity Obligations may be incurred provided that, at the time such Interim Parity Obligations are incurred or assumed, there shall be delivered to each Trustee:

(i) a Certificate of the District and an opinion of an Experienced Banker or Advisor selected by the District stating that the anticipated financing thereof by the issuance of Long-Term Parity Obligations is reasonably expected to be completed within the next sixty (60) months;

(ii) reports or opinions of the type required by either part (1) of paragraph (c) above or part (2) of paragraph (c) above demonstrating that all requirements of either part (1) of paragraph (c) above or part (2) of paragraph (c) above would be met if such Interim Parity Obligations were then being issued as Long-Term Parity Obligations maturing over a term equal to the Assumed Amortization Period with level annual combined payments of principal and interest and having an interest rate equal to the Assumed Interest Rate; and

(iii) either (x) evidence that such Interim Parity Obligations are secured by an irrevocable extension of credit of, or an agreement to purchase such Interim Parity Obligations from the owner thereof by, a person or (y) a written statement of an Experienced Banker or Advisor setting forth the opinion of such Experienced Banker or Advisor (which opinion shall be based upon the best estimates and recent experience of such Experienced Banker or Advisor under the then-prevailing market conditions but shall not in any event be deemed to constitute an offer to purchase any such Long-Term Parity Obligations or otherwise to create or give rise to any liability or obligation on the part of said Experienced Banker or Advisor with respect thereto) to the effect that long-term parity obligations of similar credit quality maturing over the term and bearing interest at the rate referred to in the foregoing paragraph (ii) would, if then being offered, be marketable on reasonable and customary terms.

Except to the extent expressly required by paragraphs (e) or (g) above, the reports or opinions set forth in part (2) of paragraph (c) above need not be delivered in connection with the incurrence or assumption of Parity Obligations pursuant to the provisions of paragraphs (d) or (f) above.

h. In measuring compliance with the applicable tests under the Master Resolution for incurring Option Parity Obligations and generally for purposes of determining the Debt Service Coverage Ratio: (i) Debt Service on Option Bonds or Options Certificates or other Option Parity Obligations shall not include amounts payable upon exercise by the registered owner thereof of the option to tender such Parity Obligations for payment to the extent and for so long as a Liquidity Backer is required to provide the moneys necessary for such payment, (ii) Debt Service on Option Bonds or Option Certificates or other Option Parity Obligations shall be deemed to include any periodic fees payable to the Liquidity Backer as a condition of the Liquidity Backer standing ready to provide the moneys necessary for such payment, and (iii) debt service on Option Bonds or Option Certificates or other Option Parity Obligations shall not be based upon the terms of any reimbursement obligation to the Liquidity Backer except to the extent and for periods during which payments have been required to be made pursuant to such reimbursement obligation due to the Liquidity Backer advancing funds and not being reimbursed.

i. Convertible Parity Obligations may be incurred if at the time of incurrence all applicable provisions of the Master Resolution are complied with for the type of Parity Obligations the Convertible Parity Obligations will be upon its incurrence; provided, however, that the District has no current intention or expectation that the conversion option of such Parity Obligations will be exercised at any particular future time but rather the conversion option has been included to provide flexibility in reacting to future circumstances, and this conversion option has not been included for the purpose of avoiding any limit or restriction in the Master Resolution on the incurrence of Parity Obligations of a type into which such Convertible Parity Obligations may by its terms be converted, and a Certificate of the District and a written statement of an Experienced Banker or Advisor selected by the District so stating is filed with the trustee under each Trust Agreement. If such a Certificate of the District is not filed with the trustee under each Trust Agreement, such Convertible Parity Obligations may be incurred only upon compliance with the provisions of the Master Resolution applicable to the form of Parity Obligations such Convertible Parity Obligations will be upon incurrence or into which it may be converted, whichever would have the highest debt service (determined in accordance with the definition of Debt Service Coverage Ratio) for any one-year period.

j. In determining compliance with the applicable provisions of the Master Resolution for the incurrence of Credit Enhanced Parity Obligations, the District which is also undertaking any contingent repayment obligation to a person who has undertaken to provide moneys necessary for payment to registered owners

of such Credit Enhanced Parity Obligations (the "Credit Enhancers") shall not also be deemed to be incurring separate Parity Obligations to the Credit Enhancer.

In measuring compliance with the applicable tests under the Master Resolution for incurring Credit Enhanced Parity Obligations, and generally for purposes of determining the Debt Service Coverage Ratio, Debt Service on Credit Enhanced Parity Obligations shall be deemed to include any periodic payment payable to the Credit Enhancer as a condition of the Credit Enhancer standing ready to provide moneys necessary for payment to the registered owners of such Credit Enhanced Parity Obligations, and Debt Service on Credit Enhanced Parity Obligations shall not be based upon the terms of any reimbursement obligation to the Credit Enhancer except to the extent and for periods during which payments have been required to be made pursuant to such reimbursement obligation due to the Credit Enhancer advancing funds and not being reimbursed.

OTHER OBLIGATIONS

a. Amounts to be paid by the District with respect to any Maintenance and Operation Obligation shall constitute Maintenance and Operation Costs only if at the time such Obligation is entered into the District shall deliver to the trustee under each Trust Agreement a Certificate of the District to the effect that (i) the making of payments on such Obligation as Maintenance and Operation Costs will not impair the District's ability to comply with its rate covenant (see, "The Certificates - Rate Covenant" in the front portion of the Official Statement) during the next five Fiscal Years or five Fiscal Years beyond the commercial operation date of the Project being financed with such Obligation, whichever is later, and (ii) the properties, services or commodities to be furnished pursuant to such Obligation can be economically and beneficially utilized by the District. If the amounts to be paid by the District for a Maintenance and Operation Obligation do not constitute Maintenance and Operation Costs, then such amounts shall be paid out of the Subordinate Obligation Payment Fund or the General Reserve Fund unless, at the time such Obligation is initially incurred, the District demonstrates compliance with the tests described above under "Additional Bonds and Contracts and Other Parity Obligations," in which event such amounts may be paid from the Installment Payment Fund.

b. Subordinated Obligations may be incurred without meeting any of the tests described above under "Additional Bonds and Contracts and Other Parity Obligations."

ADDITIONAL COVENANTS OF THE DISTRICT

Against Encumbrances. The District will pay or cause to be paid when due all sums of money that may become due or purporting to be due for any labor, services, materials, supplies or equipment furnished, or alleged to have been furnished, to or for the District in, upon, about or relating to the Water and Sewer System and will keep the Water and Sewer System free of any and all liens against any portion of the Water and Sewer System. In the event any such lien attaches to or is filed against any portion of the Water and Sewer System, the District will cause each such lien to be fully discharged and released at the time the performance of any obligation secured by any such lien matures or becomes due, except that if the District desires to contest any such lien it may do so. If any such lien shall be reduced to final judgment and such judgment or any process as may be issued for the enforcement thereof is not promptly stayed, or if so stayed and such stay thereafter expires, the District will forthwith pay or cause to be paid and discharged such judgment.

Against Sale or Other Disposition of Property. The District will not sell, lease or otherwise dispose of the Water and Sewer System or any part thereof essential to the proper operation of the Water and Sewer System or to the maintenance of the Net Water and Sewer Revenues, and will not enter into any agreement or lease which would impair the operation of the Water and Sewer System or any part thereof necessary to secure adequate Net Water and Sewer Revenues for the payment of Parity Obligation Payments or Subordinate Obligation Payments, or which would otherwise impair the rights of the holders of Bonds or Certificates or Other Parity Obligations with respect to the Net Water and Sewer Revenues or the operation of the Water and Sewer System; provided, that any real or personal property which has become nonoperative or which is not needed for the efficient and proper operation of the Water and Sewer System, or any material or equipment which has become worn out, may be sold if such sale will not reduce the Net Water and Sewer Revenues below the requirements of the District's rate covenant.

Maintenance and Operation of the Water and Sewer System. The District will maintain and preserve the Water and Sewer System in good repair and working order at all times and will operate the Water and Sewer System in an efficient and economical manner and will pay all Maintenance and Operation Costs as they become due and payable.

Not later than the first Business Day of each Fiscal Year, the District will adopt and, if requested, make available to each Trustee, a budget approved by the Board of Directors of the District setting forth the estimated Maintenance and Operation Costs, the estimated payments for Debt Service, the estimated Reimbursement Payments and the estimated debt service payments on an Subordinate Obligations for the then current Fiscal Year; provided, that any such budget may be amended at any time during any Fiscal Year and, if requested, such amended budget shall be made available to each Trustee.

Compliance with Contracts. The District will comply with, keep, observe and perform all agreements, conditions, covenants and terms, express or implied, required to be performed by it contained in all contracts for the use of the Water and Sewer System and all other contracts affecting or involving the Water and Sewer System to the extent that the District is a party thereto.

No Superior Liens. The District will not create or allow any lien or payment from the Net Water and Sewer Revenues or any part thereof prior or superior to the obligation to make the Parity Obligation Payments as provided in the Master Resolution or which might impair the security of any Parity Obligation.

Insurance. The District will procure and maintain such insurance relating to the Water and Sewer System which it shall deem advisable or necessary (based on the annual written report and approval of an independent insurance consultant) to protect its interests, which insurance shall afford protection in such amounts and against such risks as are usually covered in connection with facilities, properties, structures and works similar to the Water and Sewer System; provided, the District shall not be required to procure or maintain any such insurance unless such insurance is commercially available at reasonable cost; provided further, that any such insurance may be maintained under a self-insurance program so long as such self-insurance is maintained in the amounts and manner usually maintained in connection with the facilities, properties, structures and works similar to the Water and Sewer System.

ACCOUNTING RECORDS AND FINANCIAL STATEMENTS

a. The District will keep appropriate accounting records in which complete and correct entries shall be made of all transactions relating to the Water and Sewer System, which records shall be available for inspection by each Trustee at reasonable hours and under reasonable conditions.

b. The District will prepare and file with each Trustee annually within one hundred and eighty (180) days after the close of each Fiscal Year (commencing with the Fiscal year ending June 30, 1991):

(1) financial statement of the District for the preceding Fiscal Year prepared in accordance with Generally Accepted Accounting Principles, certified by the independent certified public accountant who examined such financial statement stating that nothing came to his attention in connection with such examination that caused him to believe that the District was not in compliance with any of the agreements or covenants contained in the Master Resolution; and

(2) a detailed report as to all insurance policies maintained and self-insurance programs maintained by the District with respect to the Water and Sewer System as of the close of such Fiscal year, including the names of the insurers which have issued the policies, the amounts thereof and the property or risks covered thereby and a copy of the current annual report of the District's independent insurance consultant.

c. The District will prepare annually not more than one hundred twenty (120) days after the close of each Fiscal Year (commencing with the Fiscal Year ending June 30, 1991) a summary report showing in reasonable detail the result of the operations of the District for such Fiscal Year and containing a general statement of the physical condition of the facility, properties, structures or works of the District and the insurance therein being maintained. The District will furnish a copy of such summary report to each Trustee.

Payment of Taxes and Compliance with Governmental Regulations. The District will pay and discharge all taxes, assessments and other governmental charges which may be lawfully imposed upon the Water and Sewer System or any part thereof when the same shall become due. The District will duly observe and conform with all valid regulations and requirement of any governmental authority relative to the operation of the Water and Sewer System or any part thereof, but the District shall not be required to comply with any regulations or requirements so long as the validity or application thereof shall be contested in good faith.

Collection of Rates, Fees and Charges. The District will charge and collect or cause to be collected the rates, fees and charges applicable to the Water and Sewer Service and will not permit any part of the Water and Sewer System or any facility thereof to be used or taken advantage of free of charge by any corporation, firm or person, or by any public agency (including the United States of America, the State of California and any, city, county, district, political subdivision, public corporation or agency of any thereof); provided, that the District may without charge use the Water and Sewer Service.

Eminent Domain and Insurance Proceeds. If all or any part of the Water and Sewer System shall be taken by eminent domain proceedings, or if the District receives any insurance proceeds resulting from a casualty loss to the Water and Sewer System, the proceeds thereof shall be used to substitute other components for the condemned or destroyed component of the Water System or applied to the cancellation of Parity Obligations.

INSTALLMENT PURCHASE AGREEMENT

DEFINITIONS

Definitions. Unless the context otherwise requires, the terms defined in the Installment Purchase Agreement will for all purposes thereof and of any amendment thereof or supplement thereto and of any report or other document mentioned therein have the meanings defined in the Installment Purchase Agreement, the following definitions to be equally applicable to both the singular and plural forms of any of the terms defined therein. Unless the context otherwise requires, all capitalized terms used in the Installment Purchase Agreement and not defined therein have the meanings ascribed thereto in the Indenture.

Accountant's Report. The term "Accountant's Report" means a report signed by an Independent Certified Public Accountant.

Authority. The term "Authority" means the Eastern Municipal Water District Financing Authority, a public body duly organized and existing under the Joint Exercise of Powers Agreement, and under the Constitution and laws of the State.

Bonds. The term "Bonds" means the 2015A Bonds, the 2016A Bonds, the 2017A Bonds, the 2017B Bonds, the 2017C Bonds, the 2018A Bonds, the 2018B Bonds, the 2018C Bonds and all other revenue bonds or notes of the District authorized, executed, issued and delivered by the District, the payments of which are payable from Net Revenues on a parity with the Installment Payments and which are secured by a pledge of and lien on Net Revenues as described in the Installment Purchase Agreement. The term "Bonds" as defined in the Installment Purchase Agreement does not have the meaning assigned to such term in the Master Resolution, and "Bonds" as defined in the Installment Purchase Agreement constitute "Subordinate Obligations" under the Master Resolution so long as the Master Resolution is operative.

Continuing Disclosure Certificate. The term "Continuing Disclosure Certificate" means the Continuing Disclosure Certificate of the District, dated the Closing Date and relating to the 2020A Bonds, as originally executed and as it may be from time to time amended or supplemented in accordance with its terms.

Contracts. The term "Contracts" means the Installment Purchase Agreement and any amendments and supplements hereto, the 2015B Installment Purchase Agreement, the 2016B Installment Purchase Agreement, the 2017D Installment Purchase Agreement, the Liquidity Facilities, the SIFMA Swap, the LIBOR Swap, the State Loans and all other contracts of the District previously or subsequently authorized and executed by the District, the Parity Installment Payments with respect to which are payable from Net Revenues on a parity with the Installment Payments and which are secured by a pledge of and lien on Net Revenues as described in the Installment Purchase

Agreement; and excluding contracts entered into for maintenance and operation of the Water and Sewer System. The term “Contracts” as defined in the Installment Purchase Agreement does not have the meaning assigned to such term in the Master Resolution, and “Contracts” as defined in the Installment Purchase Agreement constitute “Subordinate Obligations” under the Master Resolution so long as the Master Resolution is operative.

Corporation. The term “Corporation” means the Eastern Municipal Water District Facilities Corporation, a nonprofit public benefit corporation duly organized and existing under and by virtue of the laws of the State.

Current Water and Sewer Revenues. The term “Current Water and Sewer Revenues” means all gross income and revenue received or receivable by the District from the ownership or operation of the Water and Sewer System, determined in accordance with Generally Accepted Accounting Principles, including all rates, fees, charges (including connection fees and charges and standby or water availability charges) and business interruption insurance proceeds received by the District for the Water and Sewer Service and the other services of the Water and Sewer System and all other income and revenue howsoever derived by the District from the ownership or operation of the Water and Sewer System or arising from the Water and Sewer System, and also including: (i) all income from the deposit or investment of any money in the Water and Sewer Revenue Fund, the General Reserve Fund and the Rate Stabilization Fund; (ii) all income from the deposit or investment of money held in the Installment Payment Fund, the Subordinate Obligation Payment Fund or any Bond or Contract or Other Parity Reserve Fund (as all of such terms are defined in the Master Resolution and for so long as such funds are operative) or other fund (including, without limitation, a construction or acquisition fund) established pursuant to a resolution, indenture or trust agreement providing for the issuance of Parity Obligations, Bonds or Contracts to the extent that such income is required to be available to make payments on Parity Obligations, Bonds or Contracts or is required to be deposited in the Water and Sewer Revenue Fund; and (iii) benefit assessments and any proceeds of taxes to the extent that the proceeds of such assessments or taxes may be legally pledged to the payment of Parity Obligations or Subordinate Obligations, but excluding any refundable deposits made to establish credit and advances or contributions in aid of construction.

Debt Service. The term “Debt Service” means, for any period of calculation, the sum of: (i) the interest payable during such period on all outstanding Bonds, assuming that all outstanding serial Bonds are retired as scheduled and that all outstanding term Bonds are redeemed or paid from sinking fund payments as scheduled (except to the extent that such interest is capitalized or is reasonably anticipated to be reimbursed to the District by the United States of America pursuant to Section 54AA of the Code (Section 1531 of Title I of Division B of the American Recovery and Reinvestment Act of 2009 (Pub. L. No. 111-5, 23 Stat. 115 (2009), enacted February 17, 2009)), or any future similar program);(ii) those portions of the principal amount of all outstanding serial Bonds maturing in such period; (iii) those portions of the principal amount of all outstanding term Bonds required to be redeemed or paid in such period; (iv) those obligations under the Contracts required to be paid by the District during such period (except to the extent that the interest evidenced and represented thereby is capitalized or is reasonably anticipated to be reimbursed to the District by the United States of America pursuant to Section 54AA of the Code (Section 1531 of Title I of Division B of the American Recovery and Reinvestment Act of 2009 (Pub. L. No. 111-5, 23 Stat. 115 (2009), enacted February 17, 2009)), or any future similar program), including but not limited to certain regularly scheduled payments made pursuant to the SIFMA Swap, the LIBOR Swap and any other Contract which is an interest rate swap agreement to the extent that such payments are due and payable; and (v) so long as any Liquidity Facility is in effect, the principal amount of any amounts owing thereunder, with interest thereon as provided in such Liquidity Facility; but less the earnings to be derived from the investment of moneys on deposit in debt service reserve funds established for Bonds or Contracts; provided that, as to any such Bonds or Contracts bearing or comprising interest at other than a fixed rate, the rate of interest used to calculate Debt Service will, for all purposes, be assumed to bear interest: (I) for periods when the actual interest rate can be determined, at the actual interest rate; and (II) for periods when the actual interest rate cannot be determined: (A) if interest on such Bonds or Contracts has accrued for at least twelve (12) months, at the average interest rate with respect to such Bonds or Contracts over the preceding twelve (12) months; or (B) if interest on such Bonds or Contracts has not accrued for at least twelve (12) months, at: (y) the average of the Securities Industry and Financial Markets Association Index for tax-exempt variable rate obligations for the twelve (12) months prior to the time of such calculation (in the case of tax-exempt variable rate obligations) plus any applicable spread to the Securities Industry and Financial Markets Association Index or other index for such Bonds or Contracts, as such spread is determined by the applicable indenture or trust agreement pursuant to which such Bonds or Contracts were issued or delivered, as applicable; or (z) the average of the one-month London Interbank Offered Rate for taxable variable rate

obligations for the twelve (12) months prior to the time of such calculation (in the case of taxable variable rate obligations) plus any applicable spread to the London Interbank Offered Rate for taxable variable rate obligations, as such spread is determined by the applicable indenture or trust agreement pursuant to which such Bonds or Contracts were issued or delivered, as applicable; provided further that if any series or issue of such Bonds or Contracts have 25% or more of the aggregate principal amount of such series or issue due in any one year, Debt Service will be determined, at the election of the District, either when due and payable or, for the period of determination, as if the principal of and interest on such series or issue of such Bonds or Contracts were being paid from the date of incurrence thereof in substantially equal annual amounts over a period of twenty-five (25) years from the date of calculation; and provided further that, as to any such Bonds or Contracts or portions thereof bearing no interest but which are sold at a discount and which discount accretes with respect to such Bonds or Contracts or portions thereof, such accreted discount will not be treated as interest in the calculation of Debt Service and any interest payable on such Bonds or Contracts will be calculated only when due and payable; and provided further that if the Bonds or Contracts constitute Paired Obligations, the interest rate on such Bonds or Contracts will be the resulting linked rate or the effective fixed interest rate to be paid by the District with respect to such Paired Obligations but only if the applicable Paired Obligations satisfy the requirements set forth in the Installment Purchase Agreement; and provided further that the amount on deposit in a debt service reserve fund on any date of calculation of Debt Service will be deducted from the amount of principal due at the final maturity of the Bonds and Contracts for which such debt service reserve fund was established and, to the extent that the amount in such debt service reserve fund is in excess of such amount of principal, such excess will be applied to the full amount of principal due, in each preceding year, in descending order, until such amount is exhausted.

The term “Debt Service” as defined in the Installment Purchase Agreement does not have the meaning assigned to such term in the Master Resolution, and “Debt Service” as defined in the Installment Purchase Agreement constitute “Subordinate Obligation Payments” under the Master Resolution so long as the Master Resolution is operative.

District. The term “District” means the Eastern Municipal Water District, a municipal water district duly organized and existing under and by virtue of the laws of the State.

DWR. The term “DWR” means the State of California Department of Water Resources.

Event of Default. The term “Event of Default” means an event described in the Installment Purchase Agreement.

Fiscal Year. The term “Fiscal Year” means the period beginning on July 1 of each year and ending on the next succeeding June 30, or any other twelve month period selected and designated as the official Fiscal Year of the District.

General Manager. The term “General Manager” means the General Manager of the District, or any other person designated by the General Manager to act on behalf of the General Manager.

General Reserve Fund. The term “General Reserve Fund” means the fund by that name established pursuant to the Master Resolution.

Generally Accepted Accounting Principles. The term “Generally Accepted Accounting Principles” means the uniform accounting and reporting procedures set forth in publications of the American Institute of Certified Public Accountants or its successor, or by any other generally accepted authority on such procedures, and includes, as applicable, the standards set forth by the Governmental Accounting Standards Board or its successor.

Indenture. The term “Indenture” means the Indenture of Trust, dated as of May 1, 2020, by and between the Authority and the Trustee, as originally executed or as it may from time to time be supplemented, modified or amended by any Supplemental Indenture.

Independent Certified Public Accountant. The term “Independent Certified Public Accountant” means any firm of certified public accountants appointed by the District, each of whom is independent of the District and the

Authority pursuant to the Statement on Auditing Standards No. 1 of the American Institute of Certified Public Accountants.

Independent Financial Consultant. The term “Independent Financial Consultant” means a financial consultant or firm of such consultants appointed by the District, which may, for purposes of the certification described in the definition of “Paired Obligations” be an interest rate swap advisor, and who, or each of whom: (i) is in fact independent and not under domination of the District; (ii) does not have any substantial interest, direct or indirect, with the District; (iii) is not connected with the District as an officer or employee thereof, but who may be regularly retained to make reports thereto; and (iv) and (iv) is an Independent Registered Municipal Advisor under Section 15B of the Securities Exchange Act of 1934.

Initial Rating Requirement. The term “Initial Rating Requirement” means the rating requirement described in the Installment Purchase Agreement.

Installment Payment Date. The term “Installment Payment Date” means the fourth day prior to each Interest Payment Date, or if said date is not a Business Day, then the preceding Business Day.

Installment Payments. The term “Installment Payments” means the installment payments of interest and principal scheduled to be paid by the District under and pursuant to the Installment Purchase Agreement.

Installment Purchase Agreement. The term “Installment Purchase Agreement” means the Installment Purchase Agreement, dated as of May 1, 2020, by and between the District and the Authority, as originally executed and as it may from time to time be amended or supplemented in accordance therewith.

Interest Payment Date. The term “Interest Payment Date” means January 1 and July 1 of each year, commencing January 1, 2021.

Joint Exercise of Powers Agreement. The term “Joint Exercise of Powers Agreement” means that certain Joint Exercise of Powers Agreement, dated as of April 1, 2015, by and between the District and Community Facilities District No. 2001-01 (French Valley) of the Eastern Municipal Water District, a community facilities district duly organized and validly existing pursuant to the Mello-Roos Community Facilities Act of 1982, as amended, Sections 53311 *et seq.* of the California Government Code, as amended from time to time.

Law. The term “Law” means the Municipal Water District Law of the State (being Division 20 of the Water Code of the State of California, as amended), and all laws amendatory thereof or supplemental thereto.

LIBOR Swap. The term “LIBOR Swap” means, collectively: (1) the 1992 International Swaps and Derivatives Association, Inc., Master Agreement; (2) with the Schedule to the Master Agreement; (3) the Credit Support Annex to the Schedule to the Master Agreement; and (4) the Confirmation to the Schedule to the Master Agreement, each dated as of October 1, 2014, except for (4), which is dated October 31, 2014, and each by and between Wells Fargo Bank, N.A. and the District, relating to the 2018B Bonds, and all exhibits thereto, as amended or restated from time to time.

Liquidity Facilities. The term “Liquidity Facilities” means the standby bond purchase agreements, lines of credit, loans, guaranties or similar agreements issued to provide liquidity support to pay the purchase price of the 2018A Bonds, the 2017B Bonds, the 2017A Bonds, the 2015A Bonds or any other Bonds or Contracts tendered for purchase in accordance with the provisions thereof.

Maintenance and Operation Costs. The term “Maintenance and Operation Costs” means all payments in respect of Maintenance and Operation Obligations plus all costs paid or incurred by the District for maintaining and operating the Water and Sewer System, determined in accordance with Generally Accepted Accounting Principles, including all costs of water purchased or leased by the District, and including all expenses of management and repair and other expenses necessary to maintain and preserve the Water and Sewer System in good repair and working order, and including all administrative costs of the District, such as salaries and wages of employees, overhead, taxes (if any) and insurance premiums, and including all other costs of the District or charges required to be paid by it to comply with the terms of the Master Resolution or of any resolution authorizing the execution of any Parity

Obligations, Bonds or Contracts, such as compensation, reimbursement and indemnification of the trustee, seller, lender or lessor for any such Parity Obligations, Bonds or Contracts, fees and expenses of independent certified public accountants and amounts due to Liquidity Facility providers not constituting principal or interest; but excluding in all cases: (i) depreciation, replacement and obsolescence charges or reserves therefor and amortization of intangibles, premiums and discounts; (ii) interest expense; (iii) non-cash expenses attributable to pension plans, other retirement accounts and other post-employment benefits; and (iv) amounts paid from other than Water and Sewer Revenues (including, but not limited to, amounts paid from the proceeds of ad valorem property taxes to the extent that such ad valorem property taxes do not constitute Water and Sewer Revenues).

Maintenance and Operation Obligation. The term “Maintenance and Operation Obligation” means any contract or lease for the purchase of any facilities, properties, structures, or works, or any loan of credit to or guaranty of debt, claims or liabilities of any other person for the purpose of obtaining any facilities, properties, structures or works, the final payments under which are due more than five years following the effective date thereof, so long as in each case the payments thereunder are to constitute Maintenance and Operation Costs.

Master Resolution. The term “Master Resolution” means Resolution No. 2667, a Resolution of the Board of Directors of Eastern Municipal Water District Providing for the Allocation of Water and Sewer System Revenues and Establishing Covenants to Secure the Payment of Obligations Payable from Net Water and Sewer Revenues, adopted by the Board of Directors of the District on March 20, 1991, as amended by Resolution No. 2667.1, the First Supplemental Master Resolution adopted by the Board of Directors of the District on May 13, 1993, and as it may be from time to time further modified, amended or supplemented.

Minimum Rating Requirement. The term “Minimum Rating Requirement” means the rating requirement described in the Installment Purchase Agreement.

Net Proceeds. The term “Net Proceeds” means, when used with respect to any casualty insurance or condemnation award, the proceeds from such insurance or condemnation award remaining after payment of all expenses (including attorneys’ fees) incurred in the collection of such proceeds.

Net Revenues. The term “Net Revenues” means, for any Fiscal Year or other period, the Net Water and Sewer Revenues during such Fiscal Year or period less all net amounts payable by the District on the Parity Obligations during such Fiscal Year or period. When held by the Trustee in any funds or accounts established under the Installment Purchase Agreement, Net Revenues will include all interest or gain derived from the investment of amounts in any of such funds or accounts.

Net Water and Sewer Revenues. The term “Net Water and Sewer Revenues” means, for any Fiscal Year or other period, the Water and Sewer Revenues during such Fiscal Year or period less the Maintenance and Operation Costs during such Fiscal Year or period.

Paired Obligation Provider. The term “Paired Obligation Provider” means a party to a Paired Obligation other than the District.

Paired Obligations. The term “Paired Obligations” means any Bond or Contract (or portion thereof) designated as Paired Obligations in the resolution, indenture or other document authorizing the issuance or execution and delivery thereof, and which comply with the provisions of the Installment Purchase Agreement.

Parity Installment Payment Date. The term “Parity Installment Payment Date” means each date on which Parity Installment Payments are scheduled to be paid by the District under and pursuant to any Contract.

Parity Installment Payments. The term “Parity Installment Payments” means the payments of interest and principal scheduled to be paid by the District under and pursuant to the Contracts.

Parity Obligations. The term “Parity Obligations” means all revenue bonds, contracts and other obligations of the District (excluding contracts entered into for maintenance and operation of the Water and Sewer System) which are secured by a pledge of and lien on the Net Water and Sewer Revenues and payable from Net Water and

Sewer Revenues on a senior basis to Bonds and Contracts, including but not limited to the District's Refunding Water and Sewer Revenue Bonds, Series 2011A.

Prior Project. The term "Prior Project" means the acquisition and construction of the Water and Sewer System facilities described in the Installment Purchase Agreement.

Purchase Price. The term "Purchase Price" means the principal amount plus interest thereon owed by the District to the Authority under the terms of the Installment Purchase Agreement as provided therein.

Rate Stabilization Fund. The term "Rate Stabilization Fund" means the fund by that name established pursuant to the Master Resolution.

SIFMA Swap. The term "SIFMA Swap" means, collectively: (1) the 1992 International Swaps and Derivatives Association, Inc., Master Agreement; (2) with the Schedule to the Master Agreement; (3) the Credit Support Annex to the Schedule to the Master Agreement; and (4) the Confirmation to the Schedule to the Master Agreement, each dated as of October 1, 2014, except for (4), which is dated December 12, 2014, and each by and between Wells Fargo Bank, N.A. and the District, relating to the 2018C Bonds, and all exhibits thereto, as amended or restated from time to time.

State Loans. The term "State Loans" means, collectively: (i) Safe Drinking Water State Revolving Fund Loan Contract No. SRF02LMX101, dated March 3, 2005, by and between the District and DWR, relating to the Hemet Water Filtration Plant (Project No. 3310009-52), in the original principal amount of approximately \$42,098,388; (ii) State Revolving Fund Loan Contract No. 08-845-550, dated June 23, 2009, by and between the District and SWRCB, relating to the Moreno Valley Regional Water Reclamation Facility Secondary Clarifier and Tertiary Treatment Project (Project No. C-06-5100-110), in the original approved principal amount of approximately \$38,302,852, as amended; (iii) Amended Finance Agreement No. 09-809-550, dated September 15, 2009, by and between the District and SWRCB, relating to the Moreno Valley Regional Water Reclamation Facility Acid Phase Anaerobic Digestion Project (Project No. C-06-5311-110), as amended by Amendment No. 1 thereto, dated January 29, 2010, Amendment No. 2 thereto dated April 6, 2010 and Amendment No. 3 thereto dated April 11, 2016, in the original approved principal amount of approximately \$43,908,096; (iv) Installment Sale Agreement and Grant No. D15-01017, dated January 7, 2016, by and between the District and SWRCB, relating to the Recycled Water Pond Optimization and Expansion Project (Project No. C-06-7831-110), in the original approved principal amount of approximately \$11,246,300, as amended by Amendment No. 1 dated April 11, 2016; (v) Installment Sale Agreement (100% PF) No. D15-02009, dated July 12, 2016, by and between the District and SWRCB, relating to the County Water Company Consolidation Project (Project No. 3310009-067C), in the original approved principal amount of approximately \$2,986,500; (vi) Installment Sale Agreement and Grant No. D-16-01036 (Water Recycling Project No. C-06-8047-110), by and between the District and SWRCB, relating to the Recycled Water Supply Optimization Program, dated July 12, 2017, in the original approved principal amount of \$95,264,880; (vii) Construction Loan 100% PF No. D-17-01031 (Project No. C-06-8165-110), by and between the District and SWRCB, relating to the Alessandro Pond Optimization Project, dated April 13, 2018; and (viii) Any future loans by and between the District and any State entity that are payable from Net Revenues on a parity with the Bonds and Contracts.

Subordinate Obligation. The term "Subordinate Obligation" has the meaning set forth in the Master Resolution.

Subordinate Obligation Payment Fund. The term "Subordinate Obligation Payment Fund" means the fund by that name established pursuant to the Master Resolution and, in the event that the Master Resolution is no longer operative, continued pursuant to the Installment Purchase Agreement.

SWRCB. The term "SWRCB" means the State of California Water Resources Control Board.

2015A Bonds. The term "2015A Bonds" means the Eastern Municipal Water District Refunding Water and Wastewater Revenue Bonds, Series 2015A issued by the District pursuant to the Indenture of Trust, dated as of June 1, 2015, by and between the District and the Trustee.

2015B Installment Purchase Agreement. The term “2015B Installment Purchase Agreement” means the Installment Purchase Agreement, dated as of June 1, 2015, by and between the District and the Authority, relating to the Eastern Municipal Water District Financing Authority Water and Wastewater Revenue Bonds, Series 2015B.

2016A Bonds. The term “2016A Bonds” means the Eastern Municipal Water District Refunding Water and Wastewater Revenue Bonds, Series 2016A issued by the District pursuant to the Indenture of Trust, dated as of April 1, 2016, by and between the District and the Trustee.

2016B Installment Purchase Agreement. The term “2016B Installment Purchase Agreement” means the Installment Purchase Agreement, dated as of September 1, 2016, by and between the District and the Authority, relating to the Eastern Municipal Water District Financing Authority Water and Wastewater Revenue Bonds, Series 2016B.

2017A Bonds. The term “2017A Bonds” means the Eastern Municipal Water District Refunding Water and Wastewater Revenue Bonds, Series 2017A issued by the District pursuant to the Indenture of Trust relating thereto, dated as of April 1, 2017, by and between the District and the Trustee.

2017B Bonds. The term “2017B Bonds” means the Eastern Municipal Water District Refunding Water and Wastewater Revenue Bonds, Series 2017B issued by the District pursuant to the Indenture of Trust relating thereto, dated as of April 1, 2017, by and between the District and the Trustee.

2017C Bonds. The term “2017C Bonds” means the Eastern Municipal Water District Refunding Water and Wastewater Revenue Bonds, Series 2017C issued by the District pursuant to the Indenture of Trust relating thereto, dated as of May 1, 2017, by and between the District and the Trustee.

2017D Installment Purchase Agreement. The term “2017D Installment Purchase Agreement” means the Installment Purchase Agreement, dated as of May 1, 2017, by and between the District and the Eastern Municipal Water District Financing Authority, relating to the Eastern Municipal Water District Financing Authority Water and Wastewater Revenue Bonds, Series 2017D.

2018A Bonds. The term “2018A Bonds” means the Eastern Municipal Water District Refunding Water and Wastewater Revenue Bonds, Series 2018A issued by the District pursuant to the Indenture of Trust relating thereto, dated as of September 1, 2018, by and between the District and the Trustee.

2018B Bonds. The term “2018B Bonds” means the Eastern Municipal Water District Refunding Water and Wastewater Revenue Bonds, Series 2018B issued by the District pursuant to the Indenture of Trust relating thereto, dated as of September 1, 2018, by and between the District and the Trustee.

2018C Bonds. The term “2018C Bonds” means the Eastern Municipal Water District Refunding Water and Wastewater Revenue Bonds, Series 2018C issued by the District pursuant to the Indenture of Trust relating thereto, dated as of September 1, 2018, by and between the District and the Trustee.

2020A Bonds. The term “2020A Bonds” means the Eastern Municipal Water District Financing Authority Refunding Water and Wastewater Revenue Bonds, Series 2020A issued by the Authority pursuant to the Indenture of Trust relating to such bonds, dated as of April 1, 2017, by and the Authority and U.S. Bank National Association, as trustee.

Water and Sewer Revenues. The term “Water and Sewer Revenues” means the Current Water and Sewer Revenues plus deposits to the Water and Sewer Revenue Fund from amounts on deposit in the Rate Stabilization Fund less amounts transferred from the Water and Sewer Revenue Fund to the Rate Stabilization Fund.

Water and Sewer Revenue Fund. The term “Water and Sewer Revenue Fund” means the fund by that name established pursuant to the Master Resolution.

Water and Sewer Service. The term “Water and Sewer Service” means the water and sewer service furnished, made available or provided by the Water and Sewer System.

Water and Sewer System. The term “Water and Sewer System” means: (i) all property rights, contractual rights and facilities of the District relating to water, including all facilities for the treatment, conservation, storage, transmission and distribution of water now owned by the District and all other properties, structures or works for the treatment, conservation, storage, transmission and distribution of water and the generation and delivery of hydroelectric power in connection therewith acquired and constructed by or for the District and determined by the District to be a part of the Water and Sewer System; and (ii) all property rights, contractual rights and facilities of the District relating to wastewater, including all facilities for the transporting, treating, neutralizing, stabilizing or disposing of wastewater now owned by the District and all other properties, structures or works for the transporting, treating, neutralizing, stabilizing or disposing of wastewater acquired and constructed by or for the District and determined by the District to be a part of the Water and Sewer System; together with all additions, betterments, extensions or improvements to such facilities, properties, structures or works or any part thereof acquired and constructed.

Written Consent of the Authority or District; Written Order of the Authority or District; Written Request of the Authority or District; Written Requisition of the Authority or District. The terms “Written Consent of the Authority or District,” “Written Order of the Authority or District,” “Written Request of the Authority or District,” and “Written Requisition of the Authority or District” mean, respectively, a written consent, order, request or requisition signed by or on behalf of: (i) the Authority by its Authorized Representative; or (ii) the District by the President of its Board of Directors or its General Manager or by the Secretary of its Board of Directors or by any two persons (whether or not officers of the Board of Directors of the District) who are specifically authorized by resolution of the District to sign or execute such a document on its behalf.

SALE AND PURCHASE OF THE PRIOR PROJECT

Sale and Purchase of the Prior Project. The District currently has title to the Prior Project. In consideration for the Authority’s assistance in refinancing the Prior Project, the District has agreed to sell, and has sold, to the Authority, and the Authority has agreed to purchase and has purchased, from the District, the Prior Project in the manner and in accordance with the provisions of the Installment Purchase Agreement.

Purchase and Sale of the Prior Project. In consideration for the Installment Payments as set forth in the Installment Purchase Agreement, the Authority has agreed to sell, and has sold, to the District, and the District has agreed to purchase, and has purchased, from the Authority, the Prior Project at the purchase price specified in the Installment Purchase Agreement and otherwise in the manner and in accordance with the provisions of the Installment Purchase Agreement.

Title. All right, title and interest in each component of the Prior Project vests in the District immediately upon execution and delivery of the Installment Purchase Agreement. Such vesting will occur without further action by the Authority or the District, and the Authority will, if requested by the District or if necessary to assure such automatic vesting, deliver any and all documents which are required to assure such vesting.

INSTALLMENT PAYMENTS

Purchase Price. (a) The Purchase Price to be paid by the District under the Installment Purchase Agreement to the Authority is the sum of the principal amount of the District’s obligations thereunder plus the interest to accrue on the unpaid balance of such principal amount from the effective date thereof over the term thereof, subject to prepayment as provided therein. (b) The principal amount of the payments to be made by the District under the Installment Purchase Agreement is set forth therein. (c) The interest to accrue on the unpaid balance of such principal amount is as specified in the Installment Purchase Agreement, and will be paid by the District as and constitute interest paid with respect to the principal amount of the District’s obligations thereunder.

Installment Payments. The District will, subject to any rights of prepayment provided Installment Purchase Agreement, pay the Authority the Purchase Price in installment payments of interest and principal in the amounts and on the Installment Payment Dates as set forth in the Installment Purchase Agreement.

Each Installment Payment will be paid to the Authority in lawful money of the United States of America. In the event that the District fails to make any of the payments required to be made by it under the Installment

Purchase Agreement, such payment will continue as an obligation of the District until the amount thereof has been fully paid; and the District has agreed to pay the same with interest accruing thereon at the rate or rates of interest then applicable to the remaining unpaid principal balance of the Installment Payments if paid in accordance with their terms.

SECURITY

Obligations Subordinate to the Installment Payments. Notwithstanding any other provision of the Installment Purchase Agreement, the District may issue or execute and deliver, as applicable, obligations that are payable from Net Revenues on a subordinate basis to the Installment Payments at any time in the District's sole discretion.

Senior Obligations. Notwithstanding any other provision of the Installment Purchase Agreement, the District may issue or execute and deliver, as applicable, additional obligations payable on a basis senior to the Installment Payments in accordance with the Master Resolution.

Investments. All moneys held by the District in the Subordinate Obligation Payment Fund will be invested in Permitted Investments and the investment earnings thereon will remain on deposit in such fund, except as otherwise provided in the Installment Purchase Agreement.

COVENANTS OF THE DISTRICT

Compliance with Installment Purchase Agreement and Ancillary Agreements. The District will punctually pay the Installment Payments in strict conformity with the terms of the Installment Purchase Agreement, and will faithfully observe and perform all of the agreements, conditions, covenants and terms contained therein required to be observed and performed by it, and will not terminate the Installment Purchase Agreement for any cause including, without limiting the generality of the foregoing, any acts or circumstances that may constitute failure of consideration, destruction of or damage to the Prior Project, commercial frustration of purpose, any change in the tax or other laws of the United States of America or of the State or any political subdivision of either or any failure of the Authority to observe or perform any agreement, condition, covenant or term contained therein required to be observed and performed by it, whether express or implied, or any duty, liability or obligation arising out of or connected therewith or the insolvency, or deemed insolvency, or bankruptcy or liquidation of the Authority or any force majeure, including acts of God, tempest, storm, earthquake, war, rebellion, riot, civil disorder, acts of public enemies, blockade or embargo, strikes, industrial disputes, lock outs, lack of transportation facilities, fire, explosion, or acts or regulations of governmental authorities.

It is expressly understood and agreed by and among the parties to the Installment Purchase Agreement that, subject to the Installment Purchase Agreement, each of the agreements, conditions, covenants and terms contained in the Installment Purchase Agreement is an essential and material term of the purchase of and payment for the Prior Project by the District pursuant to, and in accordance with, and as authorized under the Law.

The District will faithfully observe and perform all of the agreements, conditions, covenants and terms required to be observed and performed by it pursuant to all outstanding Contracts and Bonds as such may from time to time be executed or issued, as the case may be.

Against Encumbrances. The District will not make any pledge of or place any lien on Net Revenues or the moneys in the Subordinate Obligation Payment Fund except as provided in the Installment Purchase Agreement. The District may at any time, or from time to time, execute Contracts or issue Bonds as permitted in the Installment Purchase Agreement. The District may also at any time, or from time to time, incur evidences of indebtedness or incur other obligations for any lawful purpose which are payable from and secured by a pledge of and lien on Net Revenues or any moneys in the Subordinate Obligation Payment Fund as may from time to time be deposited therein, provided that such pledge and lien will be subordinate in all respects to the pledge of and lien thereon provided in the Installment Purchase Agreement.

Against Sale or Other Disposition of Property. The District will not enter into any agreement or lease which impairs the operation of the Water and Sewer System or any part thereof that is necessary to secure adequate

Net Revenues for the payment of the Installment Payments, or which would otherwise impair the rights of the Authority under the Installment Purchase Agreement or the operation of the Water and Sewer System. Any real or personal property which has become nonoperative or which is not needed for the efficient and proper operation of the Water and Sewer System, or any material or equipment which has become worn out, may be sold if such sale will not impair the ability of the District to pay the Installment Payments and if the proceeds of such sale are deposited in the Water and Sewer Revenue Fund.

Nothing in the Installment Purchase Agreement restricts the ability of the District to sell any portion of the Water and Sewer System if such portion is immediately repurchased by the District and if such arrangement cannot by its terms result in the purchaser of such portion of the Water and Sewer System exercising any remedy which would deprive the District of or otherwise interfere with its right to own and operate such portion of the Water and Sewer System.

Against Competitive Facilities. To the extent that it can so legally obligate itself, the District has covenanted that it will not acquire, construct, maintain or operate and will not, to the extent permitted by law and within the scope of its powers, permit any other public or private agency, corporation, district or political subdivision or any person whomsoever to acquire, construct, maintain or operate within the District any water or sewer system that is competitive with the Water and Sewer System.

Tax Covenants. Notwithstanding any other provision of the Installment Purchase Agreement, absent an opinion of Bond Counsel that the exclusion from gross income of interest with respect to the 2020A Bonds will not be adversely affected for federal income tax purposes, the District has covenanted to comply with all applicable requirements of the Code necessary to preserve such exclusion from gross income with respect to the 2020A Bonds and has specifically covenanted, without limiting the generality of the foregoing, as follows:

(a) Private Activity. The District will take no action, refrain from taking any action and make no use of the proceeds of the 2020A Bonds or of any other moneys or property that would cause the 2020A Bonds to be “private activity bonds” within the meaning of Section 141 of the Code;

(b) Arbitrage. The District will make no use of the proceeds of the 2020A Bonds or of any other amounts or property, regardless of the source, and will not take or omit to take any action, that would cause the 2020A Bonds to be “arbitrage bonds” within the meaning of Section 148 of the Code;

(c) Federal Guarantee. The District will make no use of the proceeds of the 2020A Bonds and will not take or omit to take any action that would cause the 2020A Bonds to be “federally guaranteed” within the meaning of Section 149(b) of the Code;

(d) Information Reporting. The District will take or cause to be taken all necessary action to comply with the informational reporting requirements of Section 149(e) of the Code that are necessary to preserve the exclusion of interest on the 2020A Bonds pursuant to Section 103(a) of the Code;

(e) Hedge Bonds. The District will make no use of the proceeds of the 2020A Bonds or any other amounts or property, regardless of the source, and will not take any action or refrain from taking any action that would cause the 2020A Bonds to be considered “hedge bonds” within the meaning of Section 149(g) of the Code unless the District takes all necessary action to assure compliance with the requirements of Section 149(g) of the Code to maintain the exclusion from gross income of interest on the 2020A Bonds for federal income tax purposes; and

(f) Miscellaneous. The District will take no action, and will not omit to take any action, that is inconsistent with the expectations stated in any Tax Certificate executed with respect to the 2020A Bonds, and the District will comply with the covenants and requirements that are stated therein and incorporated by reference in the Installment Purchase Agreement.

The foregoing tax covenants are not applicable to, and nothing contained in the Installment Purchase Agreement will be deemed to prevent the District from issuing Bonds or executing and delivering Contracts, the interest with respect to which has been determined by Bond Counsel to be subject to federal income taxation.

Maintenance and Operation of the Water and Sewer System. The District will maintain and preserve the Water and Sewer System in good repair and working order at all times, operate the Water and Sewer System in an efficient and economical manner and pay all Maintenance and Operation Costs as they become due and payable.

Payment of Claims. The District will pay and discharge any and all lawful claims for labor, materials or supplies which, if unpaid, might become a lien on the Net Revenues or the funds or accounts created under the Installment Purchase Agreement or on any funds in the hands of the District pledged to pay the Installment Payments or to the 2020A Bond Owners prior or superior to the lien of the Installment Payments, or which might impair the security of the Installment Payments.

Compliance with Contracts. The District will neither take nor omit to take any action under any contract if the effect of such act or failure to act would in any manner impair or adversely affect the ability of the District to pay Installment Payments; and the District will comply with, keep, observe and perform all agreements, conditions, covenants and terms, express or implied, required to be performed by it contained in all other contracts affecting or involving the Water and Sewer System, to the extent that the District is a party thereto.

Insurance. (a) The District will procure and maintain or cause to be procured and maintained insurance on the Water and Sewer System with responsible insurers in such amounts and against such risks (including damage to or destruction of the Water and Sewer System) as are usually covered in connection with facilities similar to the Water and Sewer System so long as such insurance is available from reputable insurance companies.

In the event of any damage to or destruction of the Water and Sewer System caused by the perils covered by such insurance, the Net Proceeds thereof will be applied to the reconstruction, repair or replacement of the damaged or destroyed portion of the Water and Sewer System. The District will begin such reconstruction, repair or replacement promptly after such damage or destruction occurs, and will continue and properly complete such reconstruction, repair or replacement as expeditiously as possible, and will pay out of such Net Proceeds all costs and expenses in connection with such reconstruction, repair or replacement so that the same will be completed and the Water and Sewer System will be free and clear of all claims and liens.

(b) The District will procure and maintain such other insurance as it deems advisable or necessary to protect its interests and the interests of the 2020A Bond Owners, which insurance will afford protection in such amounts and against such risks as are usually covered in connection with municipal water and sewer systems similar to the Water and Sewer System.

(c) Any insurance required to be maintained by paragraph (a) above and, if the District determines to procure and maintain insurance pursuant to paragraph (b) above, such insurance, may be maintained under a self-insurance program so long as such self-insurance is maintained in the amounts and manner that are usually maintained in connection with water and sewer systems similar to the Water and Sewer System and is, in the opinion of an accredited actuary, actuarially sound.

Accounting Records; Financial Statements and Other Reports. (a) The District will keep appropriate accounting records in which complete and correct entries will be made of all transactions relating to the District, which records will be available for inspection by the Authority and the Trustee (which has no duty to inspect such records) at reasonable hours and under reasonable conditions. (b) The District will prepare and file with the Authority and the Trustee annually within 270 days after the close of each Fiscal Year (commencing with the Fiscal Year ending June 30, 2020) financial statements of the District for the preceding Fiscal Year prepared in accordance with Generally Accepted Accounting Principles, together with an Accountant's Report thereon. The Trustee has no duty to review such financial statements.

Protection of Security and Rights of the Authority. The District will preserve and protect the security of the Installment Purchase Agreement and the rights of the Authority to the Installment Payments thereunder and will warrant and defend such rights against all claims and demands of all persons.

Payment of Taxes and Compliance with Governmental Regulations. The District will pay and discharge all taxes, assessments and other governmental charges which may subsequently be lawfully imposed upon the Water and Sewer System, or any part thereof or upon the Net Revenues when the same becomes due. The District will

duly observe and conform with all valid regulations and requirements of any governmental authority relative to the operation of the Water and Sewer System, or any part thereof, but the District will not be required to comply with any regulations or requirements so long as the validity or application thereof is contested in good faith.

Collection of Rates and Charges. The District will have in effect at all times by-laws, rules and regulations requiring each customer to pay the rates and charges applicable to the Water and Sewer Service and providing for the billing thereof and for a due date and a delinquency date for each bill.

Eminent Domain Proceeds. If all or any part of the Water and Sewer System is taken by eminent domain proceedings, the Net Proceeds thereof will be applied to the acquisition and construction of additions, betterments, extensions or improvements to the Water and Sewer System, and any balance of such Net Proceeds that are not required by the District for such purpose will be deposited in the Water and Sewer Revenue Fund.

Further Assurances. The District will adopt, deliver, execute and make any and all further assurances, instruments and resolutions as may be reasonably necessary or proper to carry out the intention or to facilitate the performance of the Installment Purchase Agreement and for the better assuring and confirming unto the Authority of the rights and benefits provided to it therein.

Enforcement of Contracts. The District will not voluntarily consent to or permit any rescission of, nor will it consent to any amendment to or otherwise take any action under or in connection with any contracts previously or subsequently entered into if such rescission or amendment would in any manner impair or adversely affect the ability of the District to pay Installment Payments.

Continuing Disclosure. The District has covenanted and agreed that it will comply with and carry out all of the provisions of the Continuing Disclosure Certificate to be executed and delivered by the District in connection with the issuance of the 2020A Bonds. Notwithstanding any other provision of the Installment Purchase Agreement, failure of the District to comply with the Continuing Disclosure Certificate will not be considered an Event of Default; however, any Owner of 2020A Bonds or Beneficial Owner may take such actions as may be necessary and appropriate, including seeking mandate or specific performance by court order, to cause the District to comply with its obligations under the Installment Purchase Agreement. For purposes of the Installment Purchase Agreement, "Beneficial Owner" means any person which has or shares the power, directly or indirectly, to make investment decisions concerning ownership of any 2020A Bonds (including persons holding 2020A Bonds through nominees, depositories or other intermediaries).

PREPAYMENT OF INSTALLMENT PAYMENTS

Prepayment. (a) The District may prepay the Installment Payments maturing on or after the Installment Payment Date preceding July 1, 2031, as a whole or in part, or as otherwise selected by the District, on July 1, 2030 or any date thereafter, from any available funds. The principal amount of the unpaid Installment Payments is payable at a prepayment price equal to the principal amount of the Installment Payments to be prepaid plus accrued interest thereon to the date of prepayment, without premium.

(b) Notwithstanding any such prepayment, the District will not be relieved of its obligations under the Installment Purchase Agreement until the Purchase Price has been fully paid (or provision for payment thereof has been provided to the written satisfaction of the Authority).

Method of Prepayment. Before making any prepayment pursuant to the Installment Purchase Agreement, the District may, within five days following the event permitting the exercise of such right to prepay or creating such obligation to prepay, give written notice to the Authority and the Trustee describing such event and specifying the date on which the prepayment of the Installment Payments will be made, which date must not be less than 40 days from the date such notice is given, unless such prepayment must occur on an Interest Payment Date, in which case such date must be the next Interest Payment Date with respect to which notice of prepayment may be timely given pursuant to the Indenture.

EVENTS OF DEFAULT AND REMEDIES OF THE AUTHORITY

Events of Default. The following events are Events of Default under the Installment Purchase Agreement: (a) Default is made by the District in the due and punctual payment of any Installment Payment or any Contract or Bond when and as the same becomes due and payable; (b) Default is made by the District in the performance of any of the other agreements or covenants required in the Installment Purchase Agreement or in any Contract or Bond to be performed by it, and such default has continued for a period of 60 days after the District has been given notice in writing of such default by the Authority; provided, however, that if in the reasonable opinion of the District the default stated in the notice can be corrected, but not within such 60 day period, and corrective action is instituted by the District within such 60 day period and diligently pursued in good faith until the default is corrected, such default will not be an Event of Default under the Installment Purchase Agreement; (c) The District files a petition or answer seeking arrangement or reorganization under the federal bankruptcy laws or any other applicable law of the United States of America or any state therein, or if a court of competent jurisdiction approves a petition filed with or without the consent of the District seeking arrangement or reorganization under the federal bankruptcy laws or any other applicable law of the United States of America or any state therein, or if under the provisions of any other law for the relief or aid of debtors any court of competent jurisdiction assumes custody or control of the District or of the whole or any substantial part of its property; or (d) Payment of the principal of any Contract or Bond is accelerated in accordance with its terms;

Remedies of the Authority. If any Event of Default occurs and is continuing, the Authority has the right: (a) by mandamus or other action or proceeding or suit at law or in equity to enforce its rights against the District or any director, officer or employee thereof, and to compel the District or any such director, officer or employee to perform and carry out its or his duties under the Law and the agreements and covenants required to be performed by it or him contained in the Installment Purchase Agreement; (b) by suit in equity to enjoin any acts or things which are unlawful or violate the rights of the Authority; or (c) by suit in equity upon the happening of an Event of Default to require the District and its directors, officers and employees to account as the trustee of an express trust.

Notwithstanding anything contained in the Installment Purchase Agreement, the Authority will not have a security interest in or mortgage on the Prior Project, the Water or Sewer System or other assets of the District, and no default under the Installment Purchase Agreement will result in the loss of the Prior Project, the Water or Sewer System or other assets of the District.

The Authority will have no right to accelerate the payment of the Installment Payments.

Non-Waiver. Nothing in the Installment Purchase Agreement or in any other provision thereof affects or impairs the obligation of the District, which is absolute and unconditional, to pay the Installment Payments to the Authority at the respective due dates or upon prepayment from the Net Revenues, the Subordinate Obligation Payment Fund and the other funds therein pledged for such payment, or affects or impairs the right of the Authority, which is also absolute and unconditional, to institute suit to enforce such payment by virtue of the contract embodied therein.

A waiver of any default or breach of duty or contract by the Authority will not affect any subsequent default or breach of duty or contract or impair any rights or remedies on any such subsequent default or breach of duty or contract. No delay or omission by the Authority to exercise any right or remedy accruing upon any default or breach of duty or contract will impair any such right or remedy or will be construed to be a waiver of any such default or breach of duty or contract or an acquiescence therein, and every right or remedy conferred upon the Authority by the Law or by the Installment Purchase Agreement may be enforced and exercised from time to time and as often as will be deemed expedient by the Authority.

If any action, proceeding or suit to enforce any right or exercise any remedy is abandoned, the District and the Authority will be restored to their former positions, rights and remedies as if such action, proceeding or suit had not been brought or taken.

Remedies Not Exclusive. No remedy conferred upon or reserved to the Authority in the Installment Purchase Agreement is intended to be exclusive of any other remedy, and each such remedy will be cumulative and will be in addition to every other remedy given thereunder or now or later existing in law or in equity or by statute or

otherwise and may be exercised without exhausting and without regard to any other remedy conferred by the Law or any other law. If any remedial action is discontinued or abandoned, the Trustee and 2020A Bond Owners will be restored to their former positions.

DISCHARGE OF OBLIGATIONS

Discharge of Obligations. When:

(a) all or any portion of the Installment Payments have become due and payable in accordance with the Installment Purchase Agreement or a written notice of the District to prepay all or any portion of the Installment Payments has been filed with the Trustee; and

(b) there has been deposited with the Trustee at or prior to the Installment Payment Dates or date (or dates) specified for prepayment, in trust for the benefit of the Authority or its assigns and irrevocably appropriated and set aside to the payment of all or any portion of the Installment Payments, sufficient moneys and non-callable Permitted Investments, issued by the United States of America and described in clause (i) of the definition thereof, the principal of and interest on which when due will provide money sufficient to pay all principal, prepayment premium, if any, and interest of such Installment Payments to their respective Installment Payment Dates or prepayment date or dates as the case may be; and

(c) provision has been made for paying all fees and expenses of the Trustee; and

(d) the principal amount of the 2020A Bonds equal to the principal component of the Installment Payments to be discharged under the Installment Purchase Agreement has been deemed no longer outstanding under the Indenture because of the application of funds or Permitted Investments received under clauses (a) and (b);

then and in that event, the right, title and interest of the Authority in the Installment Purchase Agreement and the obligations of the District thereunder will, with respect to all or such portion of the Installment Payments as have been so provided for, thereupon cease, terminate, become void and be completely discharged and satisfied (except for the right of the Trustee and the obligation of the District to have such moneys and such Permitted Investments applied to the payment of such Installment Payments). In such event, upon request of the District, the Trustee will cause an accounting for such period or periods as may be requested by the District to be prepared and filed with the District and will execute and deliver to the District all such instruments as may be necessary or desirable to evidence such total or partial discharge and satisfaction, as the case may be, and, in the event of a total discharge and satisfaction, the Trustee will pay over to the District, after payment of all amounts due the Trustee pursuant to the Indenture, as an overpayment of Installment Payments, all such moneys or such Permitted Investments held by it pursuant to the Installment Purchase Agreement other than such moneys and such Permitted Investments as are required for the payment or prepayment of the Installment Payments, which moneys and Permitted Investments will continue to be held by the Trustee in trust for the payment of the Installment Payments and will be applied by the Trustee to the payment of the Installment Payments of the District.

MISCELLANEOUS

Liability of District Limited to Net Revenues. The obligation of the District to make the Installment Payments is a special obligation of the District that is payable solely from the Net Revenues, and does not constitute a debt of the District or of the State or of any political subdivision thereof in contravention of any constitutional or statutory debt limitation or restriction. Notwithstanding anything contained in the Installment Purchase Agreement, the District is not required to advance any moneys derived from any source of income other than the Net Revenues and the Subordinate Obligation Payment Fund for the payment of amounts due under the Installment Purchase Agreement or for the performance of any agreements or covenants required to be performed by it contained therein. The District may, however, advance moneys for any such purpose so long as such moneys are derived from a source legally available for such purpose and may be legally used by the District for such purpose.

Benefits of Installment Purchase Agreement Limited to Parties. Nothing contained in the Installment Purchase Agreement, expressed or implied, is intended to give to any person other than the District or the Authority

any right, remedy or claim under or pursuant thereto, and any agreement or covenant required therein to be performed by or on behalf of the District or the Authority is for the sole and exclusive benefit of the other party.

Successor Is Deemed Included in all References to Predecessor. Whenever either the District or the Authority is named or referred to in the Installment Purchase Agreement, such reference will be deemed to include the successor to the powers, duties and functions that are presently vested in the District or the Authority, and all agreements and covenants required thereby to be performed by or on behalf of the District or the Authority will bind and inure to the benefit of the respective successors thereof whether so expressed or not.

Compensation and Indemnification of Trustee. The District will pay to the Trustee from time to time all reasonable compensation for all services rendered under the Indenture, and also all reasonable expenses, charges, legal and consulting fees and other disbursements and those of their attorneys, agents and employees, incurred in and about the performance of their powers and duties under the Indenture.

The District will indemnify, defend and hold harmless the Trustee, its officers, employees, directors and agents from and against any loss, costs, claims, liability or expense (including fees and expenses of its attorneys and advisors) incurred without negligence or bad faith on its part, arising out of or in connection with the execution of the Indenture, acceptance or administration of the trust created under the Indenture, including costs and expenses of defending itself against any claim or liability in connection with the exercise or performance of any of its powers under the Indenture. The rights of the Trustee and the obligations of the District under the Installment Purchase Agreement will survive removal or resignation of the Trustee under the Indenture or the discharge of the 2020A Bonds and the Indenture.

Waiver of Personal Liability. No director, officer or employee of the District will be individually or personally liable for the payment of the Installment Payments, but nothing contained in the Installment Purchase Agreement relieves any director, officer or employee of the District from the performance of any official duty provided by any applicable provisions of law or by the Installment Purchase Agreement.

Partial Invalidity. If any one or more of the agreements or covenants or portions thereof required by the Installment Purchase Agreement to be performed by or on the part of the District or the Authority is contrary to law, then such agreement or agreements, such covenant or covenants or such portions thereof will be null and void and will be deemed separable from the remaining agreements and covenants or portions thereof and will in no way affect the validity of the Installment Purchase Agreement. The District and the Authority have declared that they would have executed the Installment Purchase Agreement, and each and every other article, section, paragraph, subdivision, sentence, clause and phrase thereof irrespective of the fact that any one or more articles, sections, paragraphs, subdivisions, sentences, clauses or phrases thereof or the application thereof to any person or circumstance may be held to be unconstitutional, unenforceable or invalid.

Assignment. The Installment Purchase Agreement and any rights thereunder may be assigned by the Authority, as a whole or in part, without the necessity of obtaining the prior consent of the District.

Net Contract. The Installment Purchase Agreement will be deemed and construed to be a net contract, and the District will pay absolutely net during the term thereof the Installment Payments and all other payments required thereunder, free of any deductions and without abatement, diminution or set-off whatsoever.

California Law. THE INSTALLMENT PURCHASE AGREEMENT IS CONSTRUED AND GOVERNED IN ACCORDANCE WITH THE LAWS OF THE STATE OF CALIFORNIA.

Effective Date. The Installment Purchase Agreement will become effective upon its execution and delivery, and will terminate when the Purchase Price has been fully paid (or provision for the payment thereof has been made to the written satisfaction of the Authority).

Indemnification of Authority. The District has agreed to indemnify and hold harmless the Authority if and to the extent permitted by law, from and against all claims, advances, damages and losses, including legal fees and expenses, arising out of or in connection with the acceptance or the performance of its duties under the Installment Purchase Agreement and under the Indenture; provided that no indemnification will be made for willful misconduct,

negligence or breach of an obligation under the Installment Purchase Agreement or under the Indenture by the Authority.

Amendments Permitted.

(a) The Installment Purchase Agreement and the rights and obligations of the Authority, the District, the Owners of the 2020A Bonds and the Trustee may be modified or amended at any time by an amendment thereto which will become binding when the written consents of the Owners of a majority in aggregate principal amount of the 2020A Bonds then Outstanding, exclusive of 2020A Bonds disqualified as provided in the Indenture, has been filed with the Trustee. No such modification or amendment may: (1) extend the fixed maturity of any 2020A Bonds, or reduce the amount of principal thereof or premium (if any) thereon, or extend the time of payment, or change the rate of interest or the method of computing the rate of interest thereon, or extend the time of payment of interest thereon, without the consent of the Owner of each 2020A Bond so affected; or (2) reduce the aforesaid percentage of 2020A Bonds the consent of the Owners of which is required to affect any such modification or amendment, or permit the creation of any lien on the Net Revenues and other assets pledged under the Indenture prior to or on a parity with the lien created by the Indenture except as permitted in the Installment Purchase Agreement, or deprive the Owners of the 2020A Bonds of the lien created by the Indenture on such Net Revenues and other assets except as permitted in the Installment Purchase Agreement, without the consent of the Owners of all of the 2020A Bonds then Outstanding.

(b) The Installment Purchase Agreement and the rights and obligations of the Authority, the District and of the Owners of the 2020A Bonds may also be modified or amended at any time by an amendment thereto which will become binding upon adoption, without the consent of the Owners of any 2020A Bonds, if the Trustee has received an opinion of Bond Counsel to the effect that the provisions of such amendment will not materially adversely affect the interests of the Owners of the Outstanding 2020A Bonds, including, without limitation, for any one or more of the following purposes:

(1) to add to the covenants and agreements of the Authority or the District contained in the Installment Purchase Agreement other covenants and agreements thereafter to be observed or to surrender any right or power therein reserved to or conferred upon the Authority or the District, and which will not adversely affect the interests of the Owners of the 2020A Bonds;

(2) to make such provisions for the purpose of curing any ambiguity, inconsistency or omission, or of curing or correcting any defective provision, contained in the Indenture, or in regard to matters or questions arising under the Installment Purchase Agreement, as the Authority and the District may deem necessary or desirable;

(3) to make such other amendments or modifications as may be in the best interests of the Owners of the 2020A Bonds; and

(4) to make any amendments or supplements necessary or appropriate to preserve or protect the exclusion of interest with respect to the 2020A Bonds from gross income for federal income tax purposes under the Code or the exemption of such interest from State personal income taxes.

No amendment without consent of the Owners of the 2020A Bonds may modify any of the rights or obligations of the Trustee without its written consent thereto.

Paired Obligation Provider Guidelines. For purposes of the Installment Purchase Agreement, Paired Obligations will comply with the following conditions:

(a) A Paired Obligation Provider will initially have a long-term rating of any two of the following: (i) A- or better by S&P; (ii) A- or better by Fitch; and (iii) A3 or better by Moody's.

(b) So long as the long-term rating of the Paired Obligation Provider is not reduced below: (i) BBB by S&P; (ii) BBB by Fitch; or (iii) Baa2 by Moody's, the interest rate of such Paired Obligation will be

deemed to be equal to the effective interest rate payable by the District with respect to such Paired Obligation for purposes of the Installment Purchase Agreement.

(c) In the event that a Paired Obligation Provider does not maintain the Minimum Rating Requirement and the District does not replace such Paired Obligation Provider with another Paired Obligation Provider which maintains the Initial Rating Requirement within thirty (30) Business Days of notice that the Paired Obligation Provider has not maintained the Minimum Rating Requirement, interest with respect to such Paired Obligations will be computed for purposes of the Installment Purchase Agreement without regard to payments to be received from the Paired Obligation Provider.

INDENTURE

DEFINITIONS; CONTENT OF CERTIFICATES AND OPINIONS

Definitions. Unless the context otherwise requires, the terms defined in the Indenture will, for all purposes of the Indenture and of any indenture supplemental thereto and of any certificate, opinion or other document therein mentioned, have the meanings therein specified, to be equally applicable to both the singular and plural forms of any of the terms therein defined. Unless the context otherwise requires, all capitalized terms used in the Indenture and not defined have the meanings ascribed thereto in the Installment Purchase Agreement.

Accountant. The term “Accountant” means any firm of independent certified public accountants selected by the Authority in its sole discretion.

Authority. The term “Authority” means the Eastern Municipal Water District Financing Authority, a public body duly organized and existing under the Joint Exercise of Powers Agreement, and under the Constitution and laws of the State of California.

Authority Revenues. The term “Authority Revenues” means: (a) all Installment Payments received by the Authority or the Trustee pursuant to or with respect to the Installment Purchase Agreement; and (b) all interest or gain derived from the investment of amounts in any of the funds or accounts established under the Indenture.

Authorized Representative. The term “Authorized Representative” means with respect to the Authority, its Chair, Vice Chair, Secretary, Treasurer or Executive Director or any other person designated as an Authorized Representative of the Authority by a Certificate of the Authority signed by its Chair, Vice Chair, Secretary, Treasurer or Executive Director and filed with the Trustee.

Bond Counsel. The term “Bond Counsel” means Stradling, Yocca, Carlson & Rauth, or another firm of nationally recognized attorneys experienced in the issuance of obligations the interest on which is excludable from gross income under Section 103 of the Code.

Bond Year. The term “Bond Year” means the period beginning on the date of issuance of the 2020A Bonds and ending on July 1, 2020, and each successive one year or, during the last period prior to maturity, shorter period thereafter until there are no Outstanding 2020A Bonds.

Business Day. The term “Business Day” means: (i) a day which is not a Saturday, Sunday or legal holiday on which banking institutions in the State, or in any other state in which the Office of the Trustee is located, are closed; or (ii) a day on which the New York Stock Exchange is not closed.

Certificate; Direction; Request; Requisition. The terms “Certificate,” “Direction,” “Request,” and “Requisition” of the Authority mean a written certificate, direction, request or requisition signed in the name of the Authority by its Authorized Representative. Any such instrument and supporting opinions or representations, if any, may, but need not, be combined in a single instrument with any other instrument, opinion or representation, and the two or more so combined will be read and construed as a single instrument. If and to the extent required by the Indenture, each such instrument will include the statements provided for in the Indenture.

Closing Date. The term “Closing Date” means the date on which the 2020A Bonds are delivered to the original purchaser thereof.

Code. The term “Code” means the Internal Revenue Code of 1986, as amended.

Depository; DTC. The terms “Depository” and “DTC” mean The Depository Trust Company, New York, New York, a limited purpose trust company organized under the laws of the State of New York in its capacity as securities depository for the 2020A Bonds.

District. The term “District” means the Eastern Municipal Water District, a municipal water district duly organized and existing under and by virtue of the laws of the State.

Event of Default. The term “Event of Default” means any of the events specified in the Indenture.

Federal Securities. The term “Federal Securities” means any direct, noncallable general obligations of the United States of America (including obligations issued or held in book entry form on the books of the Department of the Treasury of the United States of America), or noncallable obligations the timely payment of principal of and interest on which are fully and unconditionally guaranteed by the United States of America.

Fiscal Year. The term “Fiscal Year” means the twelve month period beginning on July 1 of each year and ending on the next succeeding June 30, both dates inclusive, or any other twelve month period later selected and designated as the official fiscal year period of the Authority.

Government Code. The term “Government Code” means the Government Code of the State.

Indenture. The term “Indenture” means the Indenture of Trust, dated as of May 1, 2020, by and between the Authority and the Trustee, as originally executed or as it may from time to time be supplemented, modified or amended by any Supplemental Indenture.

Information Services. The term “Information Services” means the Municipal Securities Rulemaking Board; or, in accordance with then-current guidelines of the Securities and Exchange Commission, such other services providing information with respect to called bonds as the Authority may specify in a certificate to the Trustee.

Installment Purchase Agreement. The term “Installment Purchase Agreement” means the Installment Purchase Agreement, dated as of May 1, 2020, by and between the Authority and the District, as amended from time to time.

Interest Account. The term “Interest Account” means the account by that name in the Revenue Fund established pursuant to the Indenture.

Interest Payment Date. The term “Interest Payment Date” means January 1 and July 1 of each year commencing January 1, 2021.

Investment Agreement. The term “Investment Agreement” means an investment agreement supported by appropriate opinions of counsel, provided that, without limiting the foregoing, any such Investment Agreement will: (i) be fully collateralized or from a provider rated “A-” or “A3” or above by S&P or Moody’s, respectively; (ii) if not fully collateralized, require the District to terminate such agreement and immediately reinvest the proceeds thereof in other Permitted Investments if the rating assigned to the provider by S&P or Moody’s falls to “BBB+” or “Baa1” or below, respectively; and (iii) expressly permit the withdrawal, without penalty, of any amounts necessary at any time to fund any deficiencies on account of debt service requirements with respect to the 2020A Bonds, together with such amendments as may be approved by the District and the Trustee from time to time.

Joint Exercise of Powers Agreement. The term “Joint Exercise of Powers Agreement” means that certain Joint Exercise of Powers Agreement, dated as of April 1, 2015, by and between the District and Community Facilities District No. 2001-01 (French Valley) of the Eastern Municipal Water District, a community facilities

district duly organized and validly existing pursuant to the Mello-Roos Community Facilities Act of 1982, as amended, Sections 53311 *et seq.* of the California Government Code, as amended from time to time.

Letter of Representations. The term “Letter of Representations” means the letter of the Authority and the Trustee delivered to and accepted by the Depository on or prior to delivery of the 2020A Bonds as book-entry bonds setting forth the basis on which the Depository serves as depository for such book-entry bonds, as originally executed or as it may be supplemented or revised or replaced by a letter from the Authority and the Trustee delivered to and accepted by the Depository.

Moody’s. The term “Moody’s” means Moody’s Investors Service, Inc. or any successor thereto.

Nominee. The term “Nominee” means the nominee of the Depository, which may be the Depository, as determined from time to time pursuant to the Indenture.

Office. The term “Office” means with respect to the Trustee, the principal corporate trust office of the Trustee at 633 West Fifth Street, 24th Floor, Los Angeles, California 90071, Attention: Corporate Trust Services, Reference: Eastern Municipal Water District Series 2020A, or at such other or additional offices as may be specified in writing by the Trustee to the Authority, except that with respect to presentation of 2020A Bonds for payment or for registration of transfer and exchange such term means the office or agency of the Trustee at which, at any particular time, its corporate trust agency business is conducted.

Opinion of Counsel. The term “Opinion of Counsel” means a written opinion of counsel (including but not limited to counsel to the Authority) selected by the Authority. If and to the extent required by the provisions of the Indenture, each Opinion of Counsel will include the statements provided for in the Indenture.

Outstanding. The term “Outstanding,” when used as of any particular time with reference to 2020A Bonds, means (subject to the provisions of the Indenture) all 2020A Bonds theretofore, or thereupon being, authenticated and delivered by the Trustee under the Indenture except: (i) 2020A Bonds theretofore canceled by the Trustee or surrendered to the Trustee for cancellation; (ii) 2020A Bonds with respect to which all liability of the Authority has been discharged in accordance with the Indenture, including 2020A Bonds (or portions thereof) described in the Indenture; and (iii) 2020A Bonds for the transfer or exchange of or in lieu of or in substitution for which other 2020A Bonds have been authenticated and delivered by the Trustee pursuant to the Indenture.

Owner; 2020A Bond Owner. The terms “Owner” or “2020A Bond Owner,” whenever used in the Indenture with respect to a 2020A Bond, mean the person in whose name the ownership of such 2020A Bond is registered on the Registration Books.

Participants. The term “Participants” means those broker-dealers, banks and other financial institutions from time to time for which the Depository holds book-entry certificates as securities depository.

Permitted Investments. The term “Permitted Investments” means and includes any of the following securities, if and to the extent the same are at the time legal for investment of the District’s funds, as determined by the District: (i) Federal Securities; and (ii) for all purposes other than defeasance investments in refunding escrow accounts: (1) obligations of any of the following federal agencies, which obligations represent full faith and credit of the United States of America: Export Import Bank; Farmers Home Administration; General Services Administration; U.S. Maritime Administration; Small Business Administration; Government National Mortgage Association; U.S. Department of Housing & Urban Development (PHAs); and Federal Housing Administration; (2) bonds, notes or other evidences of indebtedness rated “AAA” and “Aaa” by the applicable Rating Agency issued by the Federal National Mortgage Association or the Federal Home Loan Mortgage Corporation with remaining maturities not exceeding three years; (3) U.S. dollar denominated deposit accounts, certificates of deposit, federal funds and banker’s acceptances with domestic commercial banks, which may include the Trustee and its affiliates, which have a rating on their short term certificates of deposit on the date of purchase of “A-1” or “A-1+” by S&P and “P-1” by Moody’s and mature no more than 360 days after the date of purchase (ratings on holding companies are not considered as the rating of the bank); (4) commercial paper which is rated at the time of purchase in the single highest classification, “A-1+” by S&P and “P-1” by Moody’s and which matures not more than 270 days after the date of purchase; (5) investments in a money market fund rated “AAAm” or “AAAm-G” or better by S&P,

including funds for which the Trustee or its affiliates provide investment advisory or other management services; (6) pre-refunded municipal obligations defined as follows: any bonds or other obligations of any state of the United States of America or of any agency, instrumentality or local governmental unit of any such state which are not callable at the option of the obligor prior to maturity or as to which irrevocable instructions have been given by the obligor to call on the date specified in the notice and which are rated, based on the escrow, in the highest rating category of S&P and Moody's, or any successor thereto; (7) any Investment Agreement; (8) the Local Agency Investment Fund of the State; and (9) any other investment permitted by law.

Principal Account. The term "Principal Account" means the account by that name in the Revenue Fund established pursuant to the Indenture.

Rating. The term "Rating" means any currently effective rating on the 2020A Bonds issued by a Rating Agency.

Rating Agencies. The term "Rating Agencies" means Moody's, S&P and Fitch Ratings, Inc.

Rebate Fund. The term "Rebate Fund" means the fund by that name established pursuant to the Indenture.

Record Date. The term "Record Date" means, with respect to any Interest Payment Date, the 15th day of the calendar month preceding such Interest Payment Date, whether or not such day is a Business Day.

Redemption Date. The term "Redemption Date" means the date fixed for an optional redemption prior to maturity of the 2020A Bonds.

Redemption Fund. The term "Redemption Fund" means the fund by that name established pursuant to the Indenture.

Redemption Price. The term "Redemption Price" means, with respect to any 2020A Bond (or portion thereof), the principal amount of such 2020A Bond (or portion) plus the interest accrued to the applicable Redemption Date and the applicable premium, if any, payable upon redemption thereof pursuant to the provisions of such 2020A Bond and the Indenture.

Registration Books. The term "Registration Books" means the records maintained by the Trustee for the registration of ownership and registration of transfer of the 2020A Bonds pursuant to the Indenture.

Responsible Officer of the Trustee. The term "Responsible Officer of the Trustee" means any officer within the corporate trust division (or any successor group or department of the Trustee) including any vice president, assistant vice president, assistant secretary or any other officer or assistant officer of the Trustee customarily performing functions similar to those performed by the persons who at the time will be such officers, respectively, with responsibility for the administration of the Indenture.

Revenue Fund. The term "Revenue Fund" means the fund by that name established pursuant to the Indenture.

S&P. The term "S&P" means S&P Global Ratings, a Standard & Poor's Financial Services LLC business, or any successor thereto.

Securities Depositories. The term "Securities Depositories" means The Depository Trust Company; and, in accordance with then current guidelines of the Securities and Exchange Commission, such other securities depositories as the Authority may designate in a Request of the Authority deliver to the Trustee.

State. The term "State" means the State of California.

Supplemental Indenture. The term "Supplemental Indenture" means any indenture duly authorized and entered into between the Authority and the Trustee, supplementing, modifying or amending the Indenture; but only if and to the extent that such Supplemental Indenture is specifically authorized under the Indenture.

Tax Certificate. The term “Tax Certificate” means the Tax Certificate dated the Closing Date, concerning certain matters pertaining to the use and investment of proceeds of the 2020A Bonds issued by the Authority on the date of issuance of the 2020A Bonds, including any and all exhibits attached thereto.

Trustee. The term “Trustee” means U.S. Bank National Association, a national banking association duly organized and existing under the laws of the United States of America, or its successor, as Trustee under the Indenture as provided in the Indenture.

2020A Bonds. The term “2020A Bonds” means the Refunding Water and Wastewater Revenue Bonds, Series 2020A issued by the Authority and at any time Outstanding pursuant to the Indenture.

Valuation Date. “Valuation Date” means the fifth Business Day preceding the date of redemption.

Value. The term “Value” which will be determined as of the end of each month, means that the value of any investments will be calculated as follows: (a) for the purpose of determining the amount of any fund, all Permitted Investments credited to such fund will be valued at fair market value. The Trustee will determine the fair market value based on accepted industry standards and from accepted industry providers. Accepted industry providers include, but are not limited to, pricing services provided by Financial Times Interactive Data Corporation, Merrill Lynch and Morgan Stanley Smith Barney. (b) As to certificates of deposit and bankers’ acceptances, the face amount thereof, plus accrued interest. (c) As to any investment not specified above, the value thereof established by prior agreement between the Authority and the Trustee.

Content of Certificates and Opinions. Every certificate or opinion provided for in the Indenture except the certificate of destruction provided for therein, with respect to compliance with any provision of the Indenture will include: (1) a statement that the person making or giving such certificate or opinion has read such provision and the definitions therein relating thereto; (2) a brief statement as to the nature and scope of the examination or investigation upon which the certificate or opinion is based; (3) a statement that, in the opinion of such person he has made or caused to be made such examination or investigation as is necessary to enable him to express an informed opinion with respect to the subject matter referred to in the instrument to which his signature is affixed; (4) a statement of the assumptions upon which such certificate or opinion is based, and that such assumptions are reasonable; and (5) a statement as to whether, in the opinion of such person, such provision has been complied with.

Any such certificate or opinion made or given by an officer of the Authority may be based, insofar as it relates to legal or accounting matters, upon a certificate or opinion of or representation by counsel or an Accountant, unless such officer knows, or in the exercise of reasonable care should have known, that the certificate, opinion or representation with respect to the matters upon which such certificate or statement may be based, as aforesaid, is erroneous. Any such certificate or opinion made or given by counsel or an Accountant may be based, insofar as it relates to factual matters (with respect to which information is in the possession of the Authority) upon a certificate or opinion of or representation by an officer of the Authority, unless such counsel or Accountant knows, or in the exercise of reasonable care should have known, that the certificate or opinion or representation with respect to the matters upon which such person’s certificate or opinion or representation may be based, as aforesaid, is erroneous. The same officer of the Authority, or the same counsel or Accountant, as the case may be, need not certify to all of the matters required to be certified under any provision of the Indenture, but different officers, counsel or Accountants may certify to different matters, respectively.

THE 2020A BONDS

Registration Books. The Trustee will keep or cause to be kept, at the Office of the Trustee, sufficient records for the registration and transfer of ownership of the 2020A Bonds, which will upon reasonable notice and at reasonable times be open to inspection during regular business hours by the Authority, the District and the Owners; and, upon presentation for such purpose, the Trustee will, under such reasonable regulations as it may prescribe, register or transfer or cause to be registered or transferred, on such records, the ownership of the 2020A Bonds as provided in the Indenture. The person in whose name any 2020A Bond is registered will be deemed the Owner thereof for all purposes of the Indenture, and payment of or on account of the interest on and principal and Redemption Price of by such 2020A Bonds will be made only to or upon the order in writing of such registered

Owner, which payments will be valid and effectual to satisfy and discharge liability upon such 2020A Bond to the extent of the sum or sums so paid.

2020A Bonds Mutilated, Lost, Destroyed or Stolen. If any 2020A Bond becomes mutilated, the Authority, at the expense of the Owner of said 2020A Bond, will execute, and the Trustee will thereupon authenticate and deliver, a new 2020A Bond of like tenor, series and authorized denomination in exchange and substitution for the 2020A Bonds so mutilated, but only upon surrender to the Trustee of the 2020A Bond so mutilated. Every mutilated 2020A Bond so surrendered to the Trustee will be canceled by it and destroyed in accordance with the Indenture. If any 2020A Bond is lost, destroyed or stolen, evidence of such loss, destruction or theft may be submitted to the Trustee and, if such evidence is satisfactory to the Trustee and indemnity satisfactory to the Trustee is given, the Authority, at the expense of the Owner, will execute, and the Trustee will thereupon authenticate and deliver, a new 2020A Bond of like tenor, series and authorized denomination in lieu of and in substitution for the 2020A Bond so lost, destroyed or stolen (or if any such 2020A Bond has matured or will be about to mature, instead of issuing a substitute 2020A Bond, the Trustee may pay the same without surrender thereof). The Authority may require payment by the Owner of a sum not exceeding the actual cost of preparing each new 2020A Bond issued under the Indenture and of the expenses which may be incurred by the Authority and the Trustee in the premises. Any 2020A Bond issued under the provisions of the Indenture in lieu of any 2020A Bond alleged to be lost, destroyed or stolen will constitute an original additional contractual obligation on the part of the Authority whether or not the 2020A Bond so alleged to be lost, destroyed, or stolen be at any time enforceable by anyone, and will be entitled to the benefits of the Indenture with all other 2020A Bonds secured by the Indenture. Notwithstanding any other provision of the Indenture, in lieu of delivering a new 2020A Bond for a 2020A Bond which has been mutilated, lost, destroyed or stolen and which has matured or has been selected for redemption, the Trustee may make payment of such 2020A Bond upon receipt of indemnity satisfactory to the Trustee.

Book-Entry System.

(a) Election of Book-Entry System. Prior to the issuance of the 2020A Bonds, the Authority may provide that such 2020A Bonds will be initially issued as book-entry 2020A Bonds. If the Authority elects to deliver any 2020A Bonds in book-entry form, then the Authority will cause the delivery of a separate single fully registered bond (which may be typewritten) for each maturity date of such 2020A Bonds in an authorized denomination corresponding to that total principal amount of the 2020A Bonds designated to mature on such date. Upon initial issuance, the ownership of each such 2020A Bond will be registered in the 2020A Bond Registration Books in the name of the Nominee, as nominee of the Depository, and ownership of the 2020A Bonds, or any portion thereof may not thereafter be transferred except as provided in the Indenture.

With respect to book-entry 2020A Bonds, the Authority and the Trustee have no responsibility or obligation to any Participant or to any person on behalf of which such a Participant holds an interest in such book-entry 2020A Bonds. Without limiting the immediately preceding sentence, the Authority and the Trustee have no responsibility or obligation with respect to: (i) the accuracy of the records of the Depository, the Nominee, or any Participant with respect to any ownership interest in book-entry 2020A Bonds; (ii) the delivery to any Participant or any other person, other than an Owner as shown in the 2020A Bond Registration Books, of any notice with respect to book-entry 2020A Bonds, including any notice of redemption; (iii) the selection by the Depository and its Participants of the beneficial interests in book-entry 2020A Bonds to be redeemed in the event that the Authority redeems the 2020A Bonds in part; or (iv) the payment by the Depository or any Participant or any other person of any amount of principal of, premium, if any, or interest on book-entry 2020A Bonds. The Authority and the Trustee may treat and consider the person in whose name each book-entry 2020A Bond is registered in the 2020A Bond Registration Books as the absolute Owner of such book-entry 2020A Bond for the purpose of payment of principal of, premium and interest on such 2020A Bond, for the purpose of giving notices of redemption and other matters with respect to such 2020A Bond, for the purpose of registering transfers with respect to such 2020A Bond, and for all other purposes whatsoever. The Trustee will pay all principal of, premium, if any, and interest on the 2020A Bonds only to or upon the order of the respective Owner, as shown in the 2020A Bond Registration Books, or his respective attorney duly authorized in writing, and all such payments will be valid and effective to fully satisfy and discharge the Authority's obligations with respect to payment of principal of, premium, if any, and interest on the 2020A Bonds to the extent of the sum or sums so paid. No person other than an Owner, as shown in the 2020A Bond Registration Books, will receive a 2020A Bond evidencing the obligation to make payments of principal of, premium, if any, and interest on the 2020A Bonds. Upon delivery by the Depository to the Authority and the

Trustee of written notice to the effect that the Depository has determined to substitute a new nominee in place of the Nominee, and subject to the provisions in the Indenture with respect to Record Dates, the word Nominee in the Indenture will refer to such nominee of the Depository.

(b) Delivery of Letter of Representations. In order to qualify the book-entry 2020A Bonds for the Depository's book-entry system, the Authority and the Trustee will execute and deliver to the Depository a Letter of Representations. The execution and delivery of a Letter of Representations will not in any way impose upon the Authority or the Trustee any obligation whatsoever with respect to persons having interests in such book-entry 2020A Bonds other than the Owners, as shown on the 2020A Bond Registration Books. By executing a Letter of Representations, the Trustee will agree to take all action necessary at all times so that the Trustee will be in compliance with all representations of the Trustee in such Letter of Representations. In addition to the execution and delivery of a Letter of Representations, the Authority and the Trustee will take such other actions, not inconsistent with the Indenture, as are reasonably necessary to qualify book-entry 2020A Bonds for the Depository's book-entry program.

(c) Selection of Depository. In the event that: (i) the Depository determines not to continue to act as securities depository for book-entry 2020A Bonds; or (ii) the Authority determines that continuation of the book-entry system is not in the best interest of the beneficial owners of the 2020A Bonds or the Authority, then the Authority will discontinue the book-entry system with the Depository. If the Authority determines to replace the Depository with another qualified securities depository, the Authority will prepare or direct the preparation of a new single, separate, fully registered 2020A Bond for each of the maturity dates of such book-entry 2020A Bonds, registered in the name of such successor or substitute qualified securities depository or its Nominee as provided in the Indenture. If the Authority fails to identify another qualified securities depository to replace the Depository, then the 2020A Bonds will no longer be restricted to being registered in such 2020A Bond Registration Books in the name of the Nominee, but will be registered in whatever name or names the Owners transferring or exchanging such 2020A Bonds designates, in accordance with the provisions of the Indenture.

(d) Payments To Depository. Notwithstanding any other provision of the Indenture to the contrary, so long as all Outstanding 2020A Bonds are held in book-entry form and registered in the name of the Nominee, all payments of principal of, redemption premium, if any, and interest on such 2020A Bond and all notices with respect to such 2020A Bond will be made and given, respectively to the Nominee, as provided in the Letter of Representations or as otherwise instructed by the Depository and agreed to by the Trustee notwithstanding any inconsistent provisions in the Indenture.

(e) Transfer of 2020A Bonds to Substitute Depository. (i) The 2020A Bonds will be initially issued as provided in the Indenture. Registered ownership of such 2020A Bonds, or any portions thereof, may not thereafter be transferred except: (A) to any successor of DTC or its nominee, or of any substitute depository designated pursuant to clause (B) below ("Substitute Depository"); provided that any successor of DTC or Substitute Depository will be qualified under any applicable laws to provide the service proposed to be provided by it; (B) to any Substitute Depository, upon: (1) the resignation of DTC or its successor (or any Substitute Depository or its successor) from its functions as depository; or (2) a determination by the Authority that DTC (or its successor) is no longer able to carry out its functions as depository; provided that any such Substitute Depository will be qualified under any applicable laws to provide the services proposed to be provided by it; or (C) to any person as provided below, upon: (1) the resignation of DTC or its successor (or any Substitute Depository or its successor) from its functions as depository; or (2) a determination by the Authority that DTC or its successor (or Substitute Depository or its successor) is no longer able to carry out its functions as depository.

(ii) In the case of any transfer pursuant to clause (A) or clause (B) above, upon receipt of all Outstanding 2020A Bonds by the Trustee, together with a written request of the Authority to the Trustee designating the Substitute Depository, a single new 2020A Bond, which the Authority will prepare or cause to be prepared, will be issued for each maturity of 2020A Bonds then Outstanding, registered in the name of such successor or such Substitute Depository or their Nominees, as the case may be, all as specified in such written request of the Authority. In the case of any transfer pursuant to clause (C) above, upon receipt of all Outstanding 2020A Bonds by the Trustee, together with a written request of the Authority to the Trustee, new 2020A Bonds, which the Authority will prepare or cause to be prepared, will be issued in such denominations and registered in the names of such persons as are requested in such written request of the Authority, subject to the limitations of the

Indenture, provided that the Trustee will not be required to deliver such new 2020A Bonds within a period of less than 60 days from the date of receipt of such written request from the Authority.

(iii) In the case of a partial redemption or an advance refunding of any 2020A Bonds evidencing a portion of the principal maturing in a particular year, DTC or its successor (or any Substitute Depository or its successor) will make an appropriate notation on such 2020A Bonds indicating the date and amounts of such reduction in principal, in form acceptable to the Trustee, all in accordance with the Letter of Representations. The Trustee will not be liable for such Depository's failure to make such notations or errors in making such notations and the records of the Trustee as to the outstanding principal amount of such 2020A Bonds will be controlling.

(iv) The Authority and the Trustee are entitled to treat the person in whose name any 2020A Bond is registered as the Owner thereof for all purposes of the Indenture and any applicable laws, notwithstanding any notice to the contrary received by the Trustee or the Authority; and the Authority and the Trustee have no responsibility for transmitting payments to, communicating with, notifying, or otherwise dealing with any beneficial owners of the 2020A Bonds. Neither the Authority nor the Trustee have any responsibility or obligation, legal or otherwise, to any such beneficial owners or to any other party, including DTC or its successor (or Substitute Depository or its successor), except to the Owner of any 2020A Bonds, and the Trustee may rely conclusively on its records as to the identity of the Owners of the 2020A Bonds.

ISSUANCE OF 2020A BONDS; APPLICATION OF PROCEEDS

Validity of 2020A Bonds. The validity of the authorization and issuance of the 2020A Bonds is not dependent on and will not be affected in any way by any proceedings taken by the Authority, the District or the Trustee with respect to or in connection with the Installment Purchase Agreement. The recital contained in the 2020A Bonds that the same are issued pursuant to the Constitution and laws of the State are conclusive evidence of the validity and of compliance with the provisions of law in their issuance.

REVENUES, FUNDS AND ACCOUNTS; PAYMENT OF PRINCIPAL AND INTEREST

Pledge and Assignment: Revenue Fund. The Authority, for good and valuable consideration in hand received, has irrevocably assigned and transferred to the Trustee without recourse, for the benefit of the Owners of the 2020A Bonds as set forth in the Indenture, all of its rights, title, and interest in all Installment Payments payable by the District pursuant to the Installment Purchase Agreement, including all rights of the Authority thereunder as may be necessary to enforce compliance with said provisions (including enforcement of payment obligations and rate covenants, if any, contained in the Installment Purchase Agreement, or otherwise to protect the interest of the Owners of the 2020A Bonds. Such assignment will be subject to and limited by the terms of the Indenture.

Investments. All moneys in any of the funds or accounts established with the Trustee pursuant to the Indenture will be invested by the Trustee solely in Permitted Investments, which will, as nearly as practicable, mature on or before the dates when such moneys are anticipated to be needed for disbursement. Such investments will be directed by the Authority pursuant to a Request of the Authority filed with the Trustee at least two (2) Business Days in advance of the making of such investments (which directions will be promptly confirmed to the Trustee in writing). In the absence of any such directions from the Authority, the Trustee will invest any such moneys in Permitted Investments described in clause (ii)(5) of the definition thereof; provided, however, that any such investment will be made by the Trustee only if, prior to the date on which such investment is to be made, the Trustee has received a written direction from the District specifying a specific money market fund and, if no such written direction from the District is so received, the Trustee will hold such moneys uninvested. Obligations purchased as an investment of moneys in any fund will be deemed to be part of such fund or account.

All interest or gain derived from the investment of amounts in any of the funds or accounts established under the Indenture (except for interest or gain derived from the Permitted Investment described in clause (ii)(8) of the definition thereof, which will be retained in such Permitted Investment) will be deposited in the Interest Account unless otherwise provided in the Indenture. For purposes of acquiring any investments under the Indenture, the Trustee may commingle funds (other than the Rebate Fund) held by it thereunder upon the Request of the Authority. The Trustee may act as principal or agent in the acquisition or disposition of any investment and may impose its

customary charges therefor. The Trustee will incur no liability for losses arising from any investments made pursuant to the Indenture.

The Trustee will furnish the Authority periodic cash transaction statements which include detail for all investment transactions effected by the Trustee or brokers selected by the Authority. Upon the Authority's election, such statements will be delivered via the Trustee's online service and upon electing such service, paper statements will be provided only upon request. The Authority waives the right to receive brokerage confirmations of security transactions effected by the Trustee as they occur, to the extent permitted by law. The Authority further understands that trade confirmations for securities transactions effected by the Trustee will be available upon request and at no additional cost and other trade confirmations may be obtained from the applicable broker.

The Trustee or any of its affiliates may act as sponsor, advisor or manager in connection with any investments made by the Trustee under the Indenture. The Authority will invest, or cause to be invested, all moneys in any fund or accounts established with the Trustee as provided in the Tax Certificate. For investment purposes, the Trustee may commingle the funds and accounts established under the Indenture, but will account for each separately. In making any valuations of investments under the Indenture, the Trustee may utilize and rely on computerized securities pricing services that may be available to the Trustee, including those available through the Trustee's accounting system.

Rebate Fund.

(a) Establishment. The Trustee will establish a separate fund designated the "Rebate Fund" when required in accordance with the Indenture. Absent an opinion of Bond Counsel that the exclusion from gross income for federal income tax purposes of interest with respect to the 2020A Bonds will not be adversely affected, the Authority will cause to be deposited in the Rebate Fund such amounts as are required to be deposited therein pursuant to the Indenture and the Tax Certificate. All money at any time deposited in the Rebate Fund will be held by the Trustee in trust for payment to the United States Treasury. All amounts on deposit in the Rebate Fund for the 2020A Bonds will be governed by the Indenture and the Tax Certificate for the 2020A Bonds, unless and to the extent that the Authority delivers to the Trustee an opinion of Bond Counsel that the exclusion from gross income for federal income tax purposes of interest with respect to the 2020A Bonds will not be adversely affected, if such requirements are not satisfied. Notwithstanding anything to the contrary contained in the Indenture or in the Tax Certificate, the Trustee: (i) will be deemed conclusively to have complied with the provisions thereof if it follows all Requests of the Authority; and (ii) will have no liability or responsibility to enforce compliance by the Authority with the terms of the Tax Certificate; and (iii) may rely conclusively on the Authority's calculations and determinations and certifications relating to rebate matters; and (iv) will have no responsibility to independently make any calculations or determinations or to review the Authority's calculations or determinations thereunder.

(i) Annual Computation. Within 55 days of the end of each Bond Year (as such term is defined in the Tax Certificate), the Authority will calculate or cause to be calculated the amount of rebatable arbitrage, in accordance with Section 148(f)(2) of the Code and Section 1.148-3 of the Treasury Regulations (taking into account any applicable exceptions with respect to the computation of the rebatable arbitrage, described, if applicable, in the Tax Certificate (e.g., the temporary investments exceptions of Section 148(f)(4)(B) and the construction expenditures exception of Section 148(f)(4)(C) of the Code), and taking into account whether the election pursuant to Section 148(f)(4)(C)(vii) of the Code (the "1½% Penalty") has been made), for such purpose treating the last day of the applicable Bond Year as a computation date, within the meaning of Section 1.148-1(b) of the Treasury Regulations (the "Rebatable Arbitrage"). The Authority will obtain expert advice as to the amount of the Rebatable Arbitrage to comply with the Indenture.

(ii) Annual Transfer. Within 55 days of the end of each Bond Year, upon the written Request of the Authority, an amount will be deposited to the Rebate Fund by the Trustee from any Authority Revenues legally available for such purpose (as specified by the Authority in the aforesaid written Request), if and to the extent required so that the balance in the Rebate Fund will equal the amount of Rebatable Arbitrage so calculated in accordance with clause (i) above. In the event that immediately following the transfer required by the previous sentence, the amount then on deposit to the credit of the Rebate Fund exceeds the amount required to be on deposit therein, upon written Request of the Authority, the Trustee will withdraw the excess from the Rebate Fund and then credit the excess to the Revenue Fund.

(iii) Payment to the Treasury. The Trustee will pay, as directed by Request of the Authority, to the United States Treasury, out of amounts in the Rebate Fund:

(A) Not later than 60 days after the end of: (X) the fifth Bond Year; and (Y) each applicable fifth Bond Year thereafter, an amount equal to at least 90% of the Rebatable Arbitrage calculated as of the end of such Bond Year; and

(B) Not later than 60 days after the payment of all the 2020A Bonds, an amount equal to 100% of the Rebatable Arbitrage calculated as of the end of such applicable Bond Year, and any income attributable to the Rebatable Arbitrage, computed in accordance with Section 148(f) of the Code and Section 1.148-3 of the Treasury Regulations.

In the event that, prior to the time of any payment required to be made from the Rebate Fund, the amount in the Rebate Fund is not sufficient to make such payment when such payment is due, the Authority will calculate or cause to be calculated the amount of such deficiency and deposit an amount received from any legally available source equal to such deficiency prior to the time such payment is due. Each payment required to be made pursuant to the Indenture will be made to the Internal Revenue Service Center, Ogden, Utah 84201 on or before the date on which such payment is due, and will be accompanied by Internal Revenue Service Form 8038-T (prepared by the Authority), or will be made in such other manner as provided under the Code.

(b) Disposition of Unexpended Funds. Any funds remaining in the Rebate Fund after redemption and payment of the 2020A Bonds and the payments described in clause (a) above being made may be withdrawn by the Authority and utilized in any manner by the Authority.

(c) Survival of Defeasance. Notwithstanding anything in the Indenture to the contrary, the obligation to comply with the requirements of the Indenture will survive the defeasance or payment in full of the 2020A Bonds.

Application of Funds and Accounts When No 2020A Bonds are Outstanding. On the date on which all 2020A Bonds are retired under the Indenture or provision made therefor pursuant to the Indenture and after payment of all amounts due the Trustee thereunder, all moneys then on deposit in any of the funds or accounts (other than the Rebate Fund) established with the Trustee pursuant to the Indenture will be withdrawn by the Trustee and paid to the Authority for distribution in accordance with the Installment Purchase Agreement.

PARTICULAR COVENANTS

Punctual Payment. The Authority will punctually pay or cause to be paid the principal and interest to become due in respect of all of the 2020A Bonds, in strict conformity with the terms of the 2020A Bonds and of the Indenture, according to the true intent and meaning thereof, but only out of Authority Revenues and other assets pledged for such payment as provided in the Indenture.

Extension of Payment of 2020A Bonds. The Authority will not directly or indirectly extend or assent to the extension of the maturity of any of the 2020A Bonds or the time of payment of any claims for interest by the purchase of such 2020A Bonds or by any other arrangement, and in case the maturity of any of the 2020A Bonds or the time of payment of any such claims for interest will be extended, such 2020A Bonds or claims for interest will not be entitled, in case of any default under the Indenture, to the benefits of the Indenture, except subject to the prior payment in full for the principal of all of the 2020A Bonds then Outstanding and of all claims for interest thereon which have not been so extended. Nothing in the Indenture limits the right of the Authority to issue 2020A Bonds for the purpose of refunding any Outstanding 2020A Bonds, and such issuance will not be deemed to constitute an extension of maturity of 2020A Bonds.

Against Encumbrances. The Authority will not create, or permit the creation of, any pledge, lien, charge or other encumbrances upon the Authority Revenues and other assets pledged or assigned under the Indenture while any of the 2020A Bonds are Outstanding, except the pledge and assignment created by the Indenture. Subject to the foregoing limitation, the Authority has expressly reserved the right to enter into one or more other indentures for any

of its corporate purposes, including other programs under the Joint Exercise of Powers Agreement, and has reserved the right to issue other obligations for such purposes.

Power to Issue 2020A Bonds and Make Pledge and Assignment. The Authority is duly authorized pursuant to law to issue the 2020A Bonds, to enter into the Indenture and to pledge and assign the Authority Revenues and other assets purported to be pledged and assigned under the Indenture in the manner and to the extent provided in the Indenture. The 2020A Bonds and the provisions of the Indenture are and will be the legal, valid and binding special obligations of the Authority in accordance with their terms, and the Authority and the Trustee will at all times, subject to the provisions of the Indenture and to the extent permitted by law, defend, preserve and protect said pledge and assignment of Authority Revenues and other assets and all the rights of the 2020A Bond Owners under the Indenture against all claims and demands of all persons whomsoever.

Accounting Records and Financial Statements. The Trustee will at all times keep, or cause to be kept, proper books of record and account, prepared in accordance with corporate trust industry standards, in which complete and accurate entries will be made of all transactions made by it relating to the proceeds of 2020A Bonds, the Authority Revenues and all funds and accounts established by it pursuant to the Indenture. Such books of record and account will be available for inspection by the Authority and the District upon reasonable prior notice during business hours and under reasonable circumstances.

Tax Covenants. Notwithstanding any other provision of the Indenture, absent an opinion of Bond Counsel that the exclusion from gross income of the interest on the 2020A Bonds will not be adversely affected for federal income tax purposes, the Authority has covenanted to comply with all applicable requirements of the Code necessary to preserve such exclusion from gross income with respect to the 2020A Bonds and has specifically covenanted, without limiting the generality of the foregoing, as follows:

(a) Private Activity. The Authority will take no action, refrain from taking any action and make no use of the proceeds of the 2020A Bonds or of any other moneys or property that would cause the 2020A Bonds to be “private activity bonds” within the meaning of Section 141 of the Code;

(b) Arbitrage. The Authority will make no use of the proceeds of the 2020A Bonds or of any other amounts or property, regardless of the source, and will not take or omit any action, that would cause the 2020A Bonds to be “arbitrage bonds” within the meaning of Section 148 of the Code;

(c) Federal Guarantee. The Authority will make no use of the proceeds of the 2020A Bonds and not take or omit to take any action that would cause the 2020A Bonds to be “federally guaranteed” within the meaning of Section 149(b) of the Code;

(d) Information Reporting. The Authority will take or cause to be taken all necessary action to comply with the informational reporting requirements of Section 149(e) of the Code that are necessary to preserve the exclusion of interest on the 2020A Bonds pursuant to Section 103(a) of the Code;

(e) Hedge Bonds. The Authority will make no use of the proceeds of the 2020A Bonds or any other amounts or property, regardless of the source, and will not take any action or refrain from taking any action that would cause the 2020A Bonds to be considered “hedge bonds” within the meaning of Section 149(g) of the Code unless the Authority takes all necessary action to assure compliance with the requirements of Section 149(g) of the Code to maintain the exclusion from gross income of interest on the 2020A Bonds for federal income tax purposes; and

(f) Miscellaneous. The Authority will take no action, and will not omit to take any action, that is inconsistent with its expectations stated in that certain Tax Certificate executed by the Authority in connection with the issuance of the 2020A Bonds, and the Authority will comply with the covenants and requirements that are stated therein and incorporated by reference in the Indenture.

The foregoing tax covenants are not applicable to, and nothing contained therein prevents the Authority from issuing revenue bonds other than the 2020A Bonds or to execute and deliver contracts payable on a parity with

the 2020A Bonds, the interest with respect to which has been determined by Bond Counsel to be subject to federal income taxation.

Payments Under Installment Purchase Agreement. The Authority will promptly collect all Installment Payments due from the District pursuant to the Installment Purchase Agreement and, subject to the provisions of the Indenture, will enforce, and take all steps, actions and proceedings which the Authority or the Trustee determines to be reasonably necessary for the enforcement of all of the obligations of the District thereunder.

The Authority will not enter into any amendments to the Installment Purchase Agreement except as permitted therein. The Trustee will give written consent only if: (a) such amendment, modification or termination will not materially adversely affect the interests of the 2020A Bond Owners; or (b) the Trustee first obtains the written consent of the Owners of a majority in aggregate principal amount of the 2020A Bonds then Outstanding to such amendment, modification or termination.

Waiver of Laws. The Authority will not at any time insist upon or plead in any manner whatsoever, or claim or take the benefit or advantage of, any stay or extension law now or at any time later in force that may affect the covenants and agreements contained in the Indenture or in the 2020A Bonds, and all benefit or advantage of any such law or laws has been expressly waived by the Authority to the extent permitted by law.

Further Assurances. The Authority will make, execute and deliver any and all such further indentures, instruments and assurances as may be reasonably necessary or proper to carry out the intention or to facilitate the performance of the Indenture and for the better assuring and confirming unto the Owners of the 2020A Bonds of the rights and benefits provided in the Indenture.

Eminent Domain. If all or any part of the Prior Project is taken by eminent domain proceedings (or sold to a government entity threatening to exercise the power of eminent domain), the Net Proceeds therefrom will be applied in the manner specified in the Installment Purchase Agreement.

Observance of Laws and Regulations. To the extent necessary to assure its performance under the Indenture, the Authority will keep, observe and perform all valid and lawful obligations or regulations now or later imposed on the Authority by contract, or prescribed by any law of the United States of America, or of the State, or by any officer, board or commission having jurisdiction or control, as a condition of the continued enjoyment of any and every right, privilege or franchise now owned or later acquired by the Authority, respectively, including its right to exist and carry on its business, to the end that such contracts, rights and franchises will be maintained and preserved, and will not become abandoned, forfeited or in any manner impaired.

EVENTS OF DEFAULT AND REMEDIES OF 2020A BOND OWNERS

Events of Default. The following events will be Events of Default under the Indenture: (a) Default by the Authority in the due and punctual payment of the principal of any 2020A Bonds when and as the same becomes due and payable, whether at maturity as therein expressed, by proceedings for redemption or otherwise. (b) Default by the Authority in the due and punctual payment of any installment of interest on any 2020A Bonds when and as the same becomes due and payable. (c) Default by the Authority in the observance of any of the other covenants, agreements or conditions on its part contained in the Indenture or in the 2020A Bonds, if such default has continued for a period of 60 days after written notice thereof, specifying such default and requiring the same to be remedied, has been given to the Authority by the Trustee or by the Owners of not less than a majority in aggregate principal amount of 2020A Bonds Outstanding; provided, however, that if in the reasonable opinion of the Authority the default stated in the notice can be corrected, but not within such 60 day period, and corrective action is instituted by the Authority within such 60 day period and diligently pursued in good faith until the default is corrected, such default will not be an Event of Default under the Indenture.

The Authority files a petition or answer seeking arrangement or reorganization under the federal bankruptcy laws or any other applicable law of the United States of America or any state therein, or a court of competent jurisdiction approves a petition filed with or without the consent of the Authority seeking arrangement or reorganization under the federal bankruptcy laws or any other applicable law of the United States of America or any

state therein, or if under the provisions of any other law for the relief or aid of debtors any court of competent jurisdiction assumes custody or control of the Authority or of the whole or any substantial part of its property.

Remedies Upon Event of Default. If any Event of Default occurs and is continuing, the Trustee may, and, at the written direction of the Owners of not less than a majority in aggregate principal amount of the 2020A Bonds at the time Outstanding, will, in each case except an Event of Default specified in the Indenture, upon notice in writing to the Authority: (a) by mandamus or other action or proceeding or suit at law or in equity enforce its rights against the Authority or any director, officer or employee of the Authority, and compel the Authority or any such director, officer or employee of the Authority to observe or perform its duties under applicable law and the agreements, conditions, covenants and terms contained in the Indenture required to be observed or performed by it; (b) by suit in equity enjoin any acts or things which are unlawful or violate the rights of the Trustee or the Owners; or (c) by suit in equity upon the happening of any default under the Indenture require the Authority and the directors, officers and employees of the Authority to account as the trustee of an express trust.

The Trustee and the Owners have no right to accelerate the principal of or interest on the 2020A Bonds. Nothing contained in the Indenture permits or requires the Trustee or the Authority to accelerate payments due under the Installment Purchase Agreement.

Application of Authority Revenues and Other Funds After Default. If an Event of Default occurs and is continuing, all Authority Revenues and any other funds then held or thereafter received by the Trustee under any of the provisions of the Indenture (other than amounts held in the Rebate Fund) will be applied by the Trustee as follows and in the following order: (a) To the payment of any expenses necessary in the opinion of the Trustee to protect the interests of the Owners of the 2020A Bonds and payment of reasonable fees and expenses of the Trustee (including reasonable fees and disbursements of its counsel) incurred in and about the performance of its powers and duties under the Indenture; and (b) To the payment of the principal of and interest then due on the 2020A Bonds (upon presentation of the 2020A Bonds to be paid, and stamping or otherwise noting thereon of the payment if only partially paid, or surrender thereof if fully paid) in accordance with the provisions of the Indenture, in the following order of priority: First: To the payment to the persons entitled thereto of all installments of interest then due in the order of the maturity of such installments, and, if the amount that is available is not sufficient to pay in full any installment or installments maturing on the same date, then to the payment thereof ratably, according to the amounts due thereon, to the persons entitled thereto, without any discrimination or preference; and Second: To the payment to the persons entitled thereto of the unpaid principal of any 2020A Bonds which have become due, whether at maturity or redemption, with interest on the overdue principal at the rate of 8% per annum, and, if the amount that is available is not sufficient to pay in full all the 2020A Bonds, together with such interest, then to the payment thereof ratably, according to the amounts of principal due on such date to the persons entitled thereto, without any discrimination or preference; and Third: If there exists any remainder after the foregoing payments, such remainder will be paid to the Authority.

Trustee to Represent 2020A Bond Owners. The Trustee has been irrevocably appointed (and the successive respective Owners of the 2020A Bonds, by taking and holding the same, will be conclusively deemed to have so appointed the Trustee) as trustee and true and lawful attorney in fact of the Owners of the 2020A Bonds for the purpose of exercising and prosecuting on their behalf such rights and remedies as may be available to such Owners under the provisions of the 2020A Bonds or the Indenture and applicable provisions of any other law. Upon the occurrence and continuance of an Event of Default or other occasion giving rise to a right in the Trustee to represent the 2020A Bond Owners, the Trustee in its discretion may, and upon the written request of the Owners of a majority in aggregate principal amount of the 2020A Bonds then Outstanding, and upon being indemnified to its satisfaction therefor, will proceed to protect or enforce its rights or the rights of such Owners by such appropriate action, suit, mandamus or other proceedings as it deems most effectual to protect and enforce any such right, at law or in equity, either for the specific performance of any covenant or agreement contained in the Indenture, or in aid of the execution of any power therein granted, or for the enforcement of any other appropriate legal or equitable right or remedy vested in the Trustee or in such Owners under the 2020A Bonds or the Indenture or any other law; and upon instituting such proceeding, the Trustee will be entitled, as a matter of right, to the appointment of a receiver of the Authority Revenues and other assets pledged under the Indenture, pending such proceedings. All rights of action under the Indenture or the 2020A Bonds or otherwise may be prosecuted and enforced by the Trustee without the possession of any of the 2020A Bonds or the production thereof in any proceeding relating thereto, and any such

suit, action or proceeding instituted by the Trustee will be brought in the name of the Trustee for the benefit and protection of all the Owners of such 2020A Bonds, subject to the provisions of the Indenture.

2020A Bond Owners' Direction of Proceedings. Anything in the Indenture to the contrary notwithstanding, the Owners of a majority in aggregate principal amount of the 2020A Bonds then Outstanding have the right, by an instrument or concurrent instruments in writing executed and delivered to the Trustee, and upon indemnification of the Trustee to its reasonable satisfaction to direct the method of conduct in all remedial proceedings taken by the Trustee thereunder, provided that such direction will not be otherwise than in accordance with law and the provisions of the Indenture, and that the Trustee has the right to decline to follow any such direction which in the opinion of the Trustee would be unjustly prejudicial to 2020A Bond Owners not parties to such direction.

Suit by Owners. No Owner of any 2020A Bonds has the right to institute any suit, action or proceeding at law or in equity, for the protection or enforcement of any right or remedy under the Indenture, the Installment Purchase Agreement, the Joint Exercise of Powers Agreement or any other applicable law with respect to such 2020A Bonds, unless: (a) such Owners have given to the Trustee written notice of the occurrence of an Event of Default; (b) the Owners of not less than 25% in aggregate principal amount of the 2020A Bonds then Outstanding have made written request upon the Trustee to exercise the powers granted in the Indenture or to institute such suit, action or proceeding in its own name; (c) such Owner or Owners have tendered to the Trustee reasonable indemnity against the costs, expenses and liabilities to be incurred in compliance with such request; (d) the Trustee has failed to comply with such request for a period of 60 days after such written request has been received by, and said tender of indemnity has been made to, the Trustee; and (e) no direction that is inconsistent with such written request has been given to the Trustee during such 60 day period by the Owners of a majority in aggregate principal amount of the 2020A Bonds then Outstanding.

Such notification, request, tender of indemnity and refusal or omission are, in every case, conditions precedent to the exercise by any Owner of 2020A Bonds of any remedy under the Indenture or under law; it being understood and intended that no one or more Owners of 2020A Bonds have any right in any manner whatever by his or their action to affect, disturb or prejudice the security of the Indenture or the rights of any other Owners of 2020A Bonds, or to enforce any right under the 2020A Bonds, the Indenture, the Installment Purchase Agreement, the Joint Exercise of Powers Agreement or other applicable law with respect to the 2020A Bonds, except in the manner provided in the Indenture, and that all proceedings at law or in equity to enforce any such right will be instituted, had and maintained in the manner provided in the Indenture and for the benefit and protection of all Owners of the Outstanding 2020A Bonds, subject to the provisions of the Indenture.

Absolute Obligation of the Authority. Nothing in the Indenture or in the 2020A Bonds affects or impairs the obligation of the Authority, which is absolute and unconditional, to pay the principal of and interest on the 2020A Bonds to the respective Owners of the 2020A Bonds at their respective dates of maturity, or upon call for redemption, as provided in the Indenture, but only out of the Authority Revenues and other assets therein pledged therefor, or affect or impair the right of such Owners, which is also absolute and unconditional, to enforce such payment by virtue of the contract embodied in the 2020A Bonds.

Remedies Not Exclusive. No remedy conferred in the Indenture upon or reserved to the Trustee or to the Owners of the 2020A Bonds is intended to be exclusive of any other remedy or remedies, and each and every such remedy, to the extent permitted by law, will be cumulative and in addition to any other remedy given under the Indenture or now or later existing at law or in equity or otherwise.

No Waiver of Default. No delay or omission of the Trustee or of any Owner of the 2020A Bonds to exercise any right or power arising upon the occurrence of any Event of Default will impair any such right or power or will be construed to be a waiver of any such Event of Default or an acquiescence therein.

THE TRUSTEE

Duties, Immunities and Liabilities of Trustee. (a) The Trustee will, prior to an Event of Default, and after the curing of all Events of Default which may have occurred, perform such duties and only such duties as are expressly and specifically set forth in the Indenture, and no implied covenants or duties will be read into the

Indenture against the Trustee. The Trustee will, during the existence of any Event of Default (which has not been cured), exercise such of the rights and powers vested in it by the Indenture, and use the same degree of care and skill in their exercise, as a prudent person would exercise or use under the circumstances in the conduct of his or her own affairs.

(b) The Authority may remove the Trustee at any time, unless an Event of Default has occurred and is then continuing, and will remove the Trustee if at any time requested to do so by an instrument or concurrent instruments in writing signed by the Owners of not less than a majority in aggregate principal amount of the 2020A Bonds then Outstanding (or their attorneys duly authorized in writing) or if at any time the Trustee ceases to be eligible in accordance with the Indenture, or becomes incapable of acting, or is adjudged a bankrupt or insolvent, or a receiver of the Trustee or its property is appointed, or any public officer takes control or charge of the Trustee or of its property or affairs for the purpose of rehabilitation, conservation or liquidation, in each case by giving written notice of such removal to the Trustee and thereupon will promptly appoint a successor Trustee by an instrument in writing.

(c) The Trustee may at any time resign by giving written notice of such resignation to the Authority and by giving the 2020A Bond Owners notice of such resignation by mail at the addresses shown on the Registration Books. Upon receiving such notice of resignation, the Authority will promptly appoint a successor Trustee by an instrument in writing.

(d) Any removal or resignation of the Trustee and appointment of a successor Trustee will become effective upon acceptance of appointment by the successor Trustee. If no successor Trustee has been appointed and has accepted appointment within 45 days of giving notice of removal or notice of resignation as aforesaid, the resigning Trustee or any 2020A Bond Owner (on behalf of himself and all other 2020A Bond Owners) may petition any court of competent jurisdiction for the appointment of a successor Trustee, and such court may thereupon, after such notice (if any) as it may deem proper, appoint such successor Trustee. Any successor Trustee appointed under the Indenture will signify its acceptance of such appointment by executing and delivering to the Authority and to its predecessor Trustee a written acceptance thereof, and thereupon such successor Trustee, without any further act, deed or conveyance, will become vested with all the moneys, estates, properties, rights, powers, trusts, duties and obligations of such predecessor Trustee, with like effect as if originally named Trustee in the Indenture; but, nevertheless at the Request of the Authority or the request of the successor Trustee, such predecessor Trustee will execute and deliver any and all instruments of conveyance or further assurance and do such other things as may reasonably be required for more fully and certainly vesting in and confirming to such successor Trustee all of the right, title and interest of such predecessor Trustee in and to any property that is held by it under the Indenture and will pay over, transfer, assign and deliver to the successor Trustee any money or other property that is subject to the trusts and conditions set forth in the Indenture. Upon request of the successor Trustee, the Authority will execute and deliver any and all instruments as may be reasonably required for more fully and certainly vesting in and confirming to such successor Trustee all such moneys, estates, properties, rights, powers, trusts, duties and obligations. Upon acceptance of appointment by a successor Trustee as provided in the Indenture, the Authority will mail or cause the successor trustee to mail a notice of the succession of such Trustee to the trusts thereunder to each rating agency which is then rating the 2020A Bonds and to the 2020A Bond Owners at the addresses shown on the Registration Books. If the Authority fails to mail such notice within 15 days after acceptance of appointment by the successor Trustee, the successor Trustee will cause such notice to be mailed at the expense of the Authority.

(e) Any Trustee that is appointed under the provisions of the Indenture in succession to the Trustee will be a trust company, banking association or bank having the powers of a trust company, having a combined capital and surplus of at least \$75,000,000, and subject to supervision or examination for federal or state authority. If such bank, banking association or trust company publishes a report of condition at least annually, pursuant to law or to the requirements of any supervising or examining authority above referred to, then for the purpose of the Indenture the combined capital and surplus of such trust company, banking association or bank will be deemed to be its combined capital and surplus as set forth in its most recent report of condition so published. In case at any time the Trustee ceases to be eligible in accordance with the provisions of the Indenture, the Trustee will resign immediately in the manner and with the effect specified in the Indenture.

Merger or Consolidation. Any trust company, banking association or bank into which the Trustee may be merged or converted or with which it may be consolidated, any trust company, banking association or bank resulting

from any merger, conversion or consolidation to which it will be a party or any trust company, banking association or bank to which the Trustee may sell or transfer all or substantially all of its corporate trust business, provided that such trust company, banking association or bank will be eligible under the Indenture, will be the successor to such Trustee, without the execution or filing of any paper or any further act, anything in the Indenture to the contrary notwithstanding.

Liability of Trustee. (a) The recitals of facts in the Indenture and in the 2020A Bonds are statements of the Authority, and the Trustee does not assume responsibility for the correctness of the same, or make any representations as to the validity or sufficiency of the Indenture, the 2020A Bonds or the Installment Purchase Agreement, nor will the Trustee incur any responsibility in respect thereof, other than as expressly stated in the Indenture in connection with the respective duties or obligations therein or in the 2020A Bonds that are assigned to or imposed upon it. The Trustee will, however, be responsible for its representations contained in its certificate of authentication on the 2020A Bonds. The Trustee will not be liable in connection with the performance of its duties under the Indenture, except for its own negligence or willful misconduct. The Trustee may become the Owner of 2020A Bonds with the same rights it would have if it were not Trustee, and, to the extent permitted by law, may act as depository for and permit any of its officers or directors to act as a member of, or in any other capacity with respect to, any committee formed to protect the rights of 2020A Bond Owners, whether or not such committee represents the Owners of a majority in principal amount of the 2020A Bonds then Outstanding.

(b) The Trustee will not be liable for any error of judgment made in good faith by a responsible officer, unless it is proved that the Trustee was negligent in ascertaining the pertinent facts.

(c) The Trustee will not be liable with respect to any action taken or omitted to be taken by it in good faith in accordance with the direction of the Owners of not less than a majority (or such other percentage provided for in the Indenture) in aggregate principal amount of the 2020A Bonds at the time Outstanding relating to the time, method and place of conducting any proceeding for any remedy available to the Trustee, or exercising any trust or power conferred upon the Trustee under the Indenture.

(d) The Trustee will not be liable for any action taken by it in good faith and believed by it to be authorized or within the discretion or rights or powers conferred upon it by the Indenture.

(e) The Trustee will not be deemed to have knowledge of any default or Event of Default under the Indenture or under the Installment Purchase Agreement or any other event which, with the passage of time, the giving of notice, or both, would constitute an Event of Default under the Indenture or under the Installment Purchase Agreement unless and until a Responsible Officer of the Trustee has actual knowledge of such event or the Trustee has been notified in writing, in accordance with the Indenture, of such event by the Authority or the Owners of not less than 25% of the 2020A Bonds then Outstanding. Except as otherwise expressly provided in the Indenture, the Trustee is not bound to ascertain or inquire as to the performance or observance by the Authority or the District of any of the terms, conditions, covenants or agreements therein, or under the Installment Purchase Agreement, of any of the documents executed in connection with the 2020A Bonds, or as to the existence of an Event of Default thereunder or an event which would, with the giving of notice, the passage of time, or both, constitute an Event of Default thereunder. The Trustee is not responsible for the validity, effectiveness or priority of any collateral given to or held by it.

(f) No provision of the Indenture requires the Trustee to expend or risk its own funds or otherwise incur any financial liability in the performance of its duties thereunder, or in the exercise of any of its rights or powers.

(g) The Trustee is under no obligation to exercise any of the rights or powers vested in it by the Indenture at the request or direction of Owners pursuant to the Indenture, unless such Owners have offered to the Trustee reasonable security or indemnity against the costs, expenses and liabilities which might be incurred by it in compliance with such request or direction. No permissive power, right or remedy conferred upon the Trustee thereunder will be construed to impose a duty to exercise such power, right or remedy.

(h) Whether or not expressly so provided in the Indenture, every provision of the Indenture relating to the conduct or affecting the liability of or affording protection to the Trustee will be subject to the provisions of the Indenture.

(i) The Trustee has no responsibility with respect to any information, statement, or recital in any official statement, offering memorandum or any other disclosure material prepared or distributed with respect to the 2020A Bonds.

(j) The immunities that are extended to the Trustee also extend to its directors, officers, employees and agents.

(k) The Trustee may execute any of the trusts or powers of the Indenture and perform any of its duties through attorneys, agents and receivers and will not be answerable for the conduct of the same if appointed by it with reasonable care.

(l) The Trustee will not be considered in breach of or in default in its obligations under the Indenture or progress in respect thereto in the event of delay in the performance of such obligations due to unforeseeable causes beyond its control and without its fault or negligence, including, but not limited to, acts of God or of the public enemy or terrorists, acts of a government, acts of the other party, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, earthquakes, explosion, mob violence, riot, inability to procure or general sabotage or rationing of labor, equipment, facilities, sources of energy, material or supplies in the open market, litigation or arbitration involving a party or others relating to zoning or other governmental action or inaction pertaining to the Prior Project, malicious mischief, condemnation, and unusually severe weather or delays of suppliers or subcontractors due to such causes or any similar event and/or occurrences beyond the control of the Trustee.

(m) The Trustee has agreed to accept and act upon instructions or directions pursuant to the Indenture that are sent by unsecured e-mail, facsimile transmission or other similar unsecured electronic methods, provided, however, that, for purposes of the Indenture, an e-mail does not constitute a notice, request or other communication thereunder but rather the portable document format or similar attachment attached to such e-mail will constitute a notice, request or other communication thereunder; and provided further that the Trustee has received an incumbency certificate listing persons designated to give such instructions or directions and containing specimen signatures of such designated persons, which such incumbency certificate will be amended and replaced whenever a person is to be added or deleted from the listing. If the Authority elects to give the Trustee e-mail or facsimile instructions (or instructions by a similar electronic method) and the Trustee in its discretion elects to act upon such instructions, the Trustee's understanding of such instructions will be deemed controlling. The Trustee will not be liable for any losses, costs or expenses arising directly or indirectly from the Trustee's reliance upon and compliance with such instructions notwithstanding that such instructions conflict or are inconsistent with a subsequent written instruction. The Authority has agreed to assume all risks arising out of the use of such electronic methods to submit instructions and directions to the Trustee, including without limitation the risk of the Trustee acting on unauthorized instructions, and the risk of interception and misuse by third parties.

(n) The Trustee is not concerned with or accountable to anyone for the subsequent use or application of any moneys which are released or withdrawn in accordance with the provisions of the Indenture.

(o) The permissive right of the Trustee to do things enumerated in the Indenture are not construed as a duty and it is not answerable for other than its negligence or willful misconduct.

Right to Rely on Documents. The Trustee will be protected in acting upon any notice, resolution, requisition, request, consent, order, certificate, report, opinion, notes, direction, facsimile transmission, electronic mail or other paper or document believed by it to be genuine and to have been signed or presented by the proper party or parties. The Trustee may consult with counsel, who may be counsel of or to the Authority, with regard to legal questions, and the opinion of such counsel will be full and complete authorization and protection in respect of any action that is taken or suffered by it under the Indenture in good faith and in accordance therewith.

The Trustee may treat the Owners of the 2020A Bonds appearing in the Trustee's Registration Books as the absolute owners of the 2020A Bonds for all purposes and the Trustee will not be affected by any notice to the contrary.

Whenever in the administration of the trusts imposed upon it by the Indenture the Trustee deems it necessary or desirable that a matter be proved or established prior to taking or suffering any action thereunder, such matter (unless other evidence in respect thereof is specifically prescribed in the Indenture) may be deemed to be conclusively proved and established by a Certificate, Request or Requisition of the Authority, and such Certificate, Request or Requisition will be full warrant to the Trustee for any action that is taken or suffered in good faith under the provisions of the Indenture in reliance upon such Certificate, Request or Requisition, but in its discretion the Trustee may, in lieu thereof, accept other evidence of such matter or may require such additional evidence as it may deem reasonable.

Preservation and Inspection of Documents. All documents that are received by the Trustee under the provisions of the Indenture will be retained in its possession and will be subject at all reasonable times to the inspection of the Authority, the District and any 2020A Bond Owner, and their agents and representatives duly authorized in writing, at reasonable hours and under reasonable conditions.

Compensation and Indemnification. The Authority will pay to the Trustee from time to time all reasonable compensation for all services rendered under the Indenture, and also all reasonable expenses, charges, legal and consulting fees and other disbursements and those of their attorneys, agents and employees, incurred in and about the performance of their powers and duties under the Indenture.

The Authority will indemnify, defend and hold harmless the Trustee, its officers, employees, directors and agents from and against any loss, costs, claims, liability or expense (including fees and expenses of its attorneys and advisors) incurred without negligence or bad faith on its part, arising out of or in connection with the execution of the Indenture, acceptance or administration of the trust, under the Indenture, including costs and expenses of defending itself against any claim or liability in connection with the exercise or performance of any of its powers under the Indenture. The rights of the Trustee and the obligations of the Authority under the Indenture survive removal or resignation of the Trustee thereunder or the discharge of the 2020A Bonds and the Indenture.

MODIFICATION OR AMENDMENT OF THE INDENTURE

Amendments Permitted. (a) The Indenture and the rights and obligations of the Authority and of the Owners of the 2020A Bonds and of the Trustee may be modified or amended from time to time and at any time by an indenture or indentures supplemental thereto, which the Authority and the Trustee may enter into when the written consent of the Owners of a majority in aggregate principal amount of all 2020A Bonds then Outstanding, exclusive of 2020A Bonds disqualified as provided in the Indenture, has been filed with the Trustee. No such modification or amendment may: (1) extend the fixed maturity of any 2020A Bonds, or reduce the amount of principal thereof or premium (if any) thereon, or extend the time of payment, or change the rate of interest or the method of computing the rate of interest thereon, or extend the time of payment of interest thereon, without the consent of the Owner of each 2020A Bond so affected; or (2) reduce the aforesaid percentage of 2020A Bonds the consent of the Owners of which is required to affect any such modification or amendment, or permit the creation of any lien on the Authority Revenues and other assets pledged under the Indenture prior to or on a parity with the lien created by the Indenture except as permitted therein, or deprive the Owners of the 2020A Bonds of the lien created by the Indenture on such Authority Revenues and other assets except as permitted therein, without the consent of the Owners of all of the 2020A Bonds then Outstanding. It is not necessary for the consent of the 2020A Bond Owners to approve the particular form of any Supplemental Indenture, but it is sufficient if such consent approves the substance thereof. Promptly after the execution by the Authority and the Trustee of any Supplemental Indenture pursuant to the Indenture, the Trustee will mail a notice, setting forth in general terms the substance of such Supplemental Indenture, to each Rating Agency and the Owners of the 2020A Bonds at the respective addresses shown on the Registration Books. Any failure to give such notice, or any defect therein, will not, however, in any way impair or affect the validity of any such Supplemental Indenture.

(b) The Indenture and the rights and obligations of the Authority, the Trustee and the Owners of the 2020A Bonds may also be modified or amended from time to time and at any time by a Supplemental

Indenture, which the Authority and the Trustee may enter into without the consent of any 2020A Bond Owners, if the Trustee receives an opinion of Bond Counsel to the effect that the provisions of such Supplemental Indenture will not materially adversely affect the interests of the Owners of the Outstanding 2020A Bonds, including, without limitation, for any one or more of the following purposes: (1) to add to the covenants and agreements of the Authority that are contained in the Indenture other covenants and agreements thereafter to be observed, to pledge or assign additional security for the 2020A Bonds (or any portion thereof), or to surrender any right or power therein reserved to or conferred upon the Authority; (2) to make such provisions for the purpose of curing any ambiguity, inconsistency or omission, or of curing or correcting any defective provision, contained in the Indenture, or in regard to matters or questions arising under the Indenture, as the Authority may deem necessary or desirable; (3) to modify, amend or supplement the Indenture in such manner as to permit the qualification thereof under the Trust Indenture Act of 1939, as amended, or any similar federal statute thereunder in effect, and to add such other terms conditions and provisions as may be permitted by said act or similar federal statute; and (4) to modify, amend or supplement the Indenture in such manner as to cause interest on the 2020A Bonds to remain excludable from gross income under the Code.

(c) The Trustee may in its discretion, but is not obligated to, enter into any such Supplemental Indenture authorized by the Indenture which materially adversely affects the Trustee's own rights, duties or immunities under the Indenture or otherwise.

(d) Prior to the Trustee entering into any Supplemental Indenture under the Indenture, there will be delivered to the Trustee an opinion of Bond Counsel stating, in substance, that such Supplemental Indenture has been adopted in compliance with the requirements of the Indenture and that the adoption of such Supplemental Indenture will not, in and of itself, adversely affect the exclusion of interest on the 2020A Bonds from federal income taxation and from state income taxation.

Effect of Supplemental Indenture. Upon the execution of any Supplemental Indenture pursuant to the Indenture, the Indenture will be deemed to be modified and amended in accordance therewith, and the respective rights, duties and obligations under the Indenture of the Authority, the Trustee and all Owners of 2020A Bonds Outstanding will thereafter be determined, exercised and enforced thereunder subject in all respects to such modification and amendment, and all of the terms and conditions of any such Supplemental Indenture will be deemed to be part of the terms and conditions of the Indenture for any and all purposes.

Endorsement of 2020A Bonds; Preparation of New 2020A Bonds. 2020A Bonds delivered after the execution of any Supplemental Indenture pursuant to the Indenture may, and if the Trustee so determines will, bear a notation by endorsement or otherwise in form approved by the Authority and the Trustee as to any modification or amendment provided for in such Supplemental Indenture, and, in that case, upon demand on the Owner of any 2020A Bonds Outstanding at the time of such execution and presentation of his or her 2020A Bonds for the purpose at the Office of the Trustee or at such additional offices as the Trustee may select and designate for that purpose, a suitable notation will be made on such 2020A Bonds. If the Supplemental Indenture so provides, new 2020A Bonds so modified as to conform, in the opinion of the Authority and the Trustee, to any modification or amendment contained in such Supplemental Indenture, will be prepared and executed by the Authority and authenticated by the Trustee, and upon demand on the Owners of any 2020A Bonds then Outstanding will be exchanged at the Office of the Trustee, without cost to any 2020A Bond Owner, for 2020A Bonds then Outstanding, upon surrender for cancellation of such 2020A Bonds, in equal aggregate principal amount of the same maturity.

Amendment of Particular 2020A Bonds. The provisions of the Indenture do not prevent any 2020A Bond Owner from accepting any amendment as to the particular 2020A Bonds held by him.

DEFEASANCE

Discharge of Indenture. The 2020A Bonds may be paid by the Authority in any of the following ways, provided that the Authority also pays or causes to be paid any other sums payable under the Indenture by the Authority: (a) by paying or causing to be paid the principal of and interest and redemption premiums (if any) on the 2020A Bonds, as and when the same become due and payable; (b) by depositing with the Trustee, in trust, at or before maturity, money or securities in the necessary amount (as provided in the Indenture) to pay or redeem all

2020A Bonds then Outstanding; or (c) by delivering to the Trustee, for cancellation by it, all of the 2020A Bonds then Outstanding.

If the Authority also pays or causes to be paid all other sums payable under the Indenture by the Authority, then and in that case, at the election of the Authority (as evidenced by a Certificate of the Authority, filed with the Trustee, signifying the intention of the Authority to discharge all such indebtedness and the Indenture), and notwithstanding that any 2020A Bonds have not been surrendered for payment, the Indenture and the pledge of Authority Revenues and other assets made under the Indenture and all covenants, agreements and other obligations of the Authority under the Indenture will cease, terminate, become void and be completely discharged and satisfied. In such event, upon the Request of the Authority, the Trustee will execute and deliver to the Authority all such instruments as may be necessary or desirable to evidence such discharge and satisfaction, and the Trustee will pay over, transfer, assign or deliver all moneys or securities or other property held by it pursuant to the Indenture which are not required for the payment or redemption of 2020A Bonds not theretofore surrendered for such payment or redemption to the Authority.

Discharge of Liability on 2020A Bonds. Upon the deposit with the Trustee, in trust, at or before maturity, of money or securities in the necessary amount (as provided in the Indenture) to pay or redeem any Outstanding 2020A Bonds (whether upon or prior to the maturity or the redemption date of such 2020A Bonds), provided that, if such Outstanding 2020A Bonds are to be redeemed prior to maturity, notice of such redemption has been given as provided in the Indenture or provisions satisfactory to the Trustee has been made for the giving of such notice, then all liability of the Authority in respect of such 2020A Bonds will cease, terminate and be completely discharged, and the Owners thereof will thereafter be entitled only to payment out of such money or securities deposited with the Trustee as aforesaid for their payment, subject however, to the provisions of the Indenture.

The Authority may at any time surrender to the Trustee for cancellation by it any 2020A Bonds previously issued and delivered, which the Authority may have acquired in any manner whatsoever, and such 2020A Bonds, upon such surrender and cancellation, will be deemed to be paid and retired.

Deposit of Money or Securities with Trustee. Whenever in the Indenture it is provided or permitted that there be deposited with or held in trust by the Trustee money or securities in the necessary amount to pay or redeem any 2020A Bonds, the money or securities so to be deposited or held may include money or securities held by the Trustee in the funds and accounts established pursuant to the Indenture and will be:

(a) lawful money of the United States of America in an amount equal to the principal amount of such 2020A Bonds and all unpaid interest thereon to maturity, except that, in the case of 2020A Bonds which are to be redeemed prior to maturity and in respect of which notice of such redemption has been given as provided in the Indenture or provisions satisfactory to the Trustee has been made for the giving of such notice, the amount to be deposited or held will be the principal amount of such 2020A Bonds and all unpaid interest and premium, if any, thereon to the redemption date; or

(b) Federal Securities the principal of and interest on which when due will, in the written opinion of an Accountant filed with the Authority and the Trustee, provide money sufficient to pay the principal of and all unpaid interest to maturity, or to the redemption date (with premium, if any), as the case may be, on the 2020A Bonds to be paid or redeemed, as such principal, interest and premium, if any, become due, provided that in the case of 2020A Bonds which are to be redeemed prior to the maturity thereof, notice of such redemption has been given as provided in the Indenture or provision satisfactory to the Trustee has been made for the giving of such notice;

provided, in each case, that: (i) the Trustee has been irrevocably instructed (by the terms of the Indenture or by Request of the Authority) to apply such money to the payment of such principal, interest and premium, if any, with respect to such 2020A Bonds; and (ii) the Authority has delivered to the Trustee an opinion of Bond Counsel addressed to the Authority and the Trustee to the effect that such 2020A Bonds have been discharged in accordance with the Indenture (which opinion may rely upon and assume the accuracy of the Accountant's opinion referred to above).

Payment of 2020A Bonds After Discharge of Indenture. Notwithstanding any provisions of the Indenture, any moneys held by the Trustee in trust for the payment of the principal of, or interest on, any 2020A Bonds and remaining unclaimed for two (2) years after the principal of all of the 2020A Bonds has become due and payable (whether at maturity or upon call for redemption as provided in the Indenture), if such moneys were so held at such date, or two (2) years after the date of deposit of such moneys if deposited after said date when all of the 2020A Bonds became due and payable, will be repaid to the Authority free from the trusts created by the Indenture upon receipt of an indemnification agreement acceptable to the Authority and the Trustee indemnifying the Trustee with respect to claims of Owners of 2020A Bonds which have not yet been paid, and all liability of the Trustee with respect to such moneys will thereupon cease; provided, however, that before the repayment of such moneys to the Authority as aforesaid, the Trustee will at the written direction of the Authority (at the cost of the Authority) first mail to the Owners of 2020A Bonds which have not yet been paid, at the addresses shown on the Registration Books, a notice, in such form as may be deemed appropriate by the Trustee with respect to the 2020A Bonds so payable and not presented and with respect to the provisions relating to the repayment to the Authority of the moneys held for the payment thereof.

MISCELLANEOUS

Liability of Authority Limited to Authority Revenues. Notwithstanding anything in the Indenture or the 2020A Bonds, the Authority is not required to advance any moneys derived from any source other than the Authority Revenues and other moneys pledged under the Indenture for any of the purposes in the Indenture mentioned, whether for the payment of the principal of or interest on the 2020A Bonds or for any other purpose of the Indenture. Nevertheless, the Authority may, but will not be required to, advance for any of the purposes of the Indenture any funds of the Authority which may be made available to it for such purposes.

The 2020A Bonds are not a debt of the members of the Authority, the State or any of its political subdivisions (other than the Authority) and neither the members of the Authority, said State nor any of its political subdivisions (other than the Authority) is liable in the Indenture. The District has no liability or obligation in the Indenture except with respect to Installment Payments payable under the Installment Purchase Agreement.

Successor Is Deemed Included in All References to Predecessor. Whenever in the Indenture either the Authority or the Trustee is named or referred to, such reference will be deemed to include the successors or assignees thereof, and all of the covenants and agreements contained in the Indenture by or on behalf of the Authority or the Trustee bind and inure to the benefit of the respective successors and assignees thereof whether so expressed or not.

Limitation of Rights to Parties and 2020A Bond Owners. Nothing in the Indenture or in the 2020A Bonds expressed or implied is intended or will be construed to give to any person other than the Authority, the Trustee, the District and the Owners of the 2020A Bonds, any legal or equitable right, remedy or claim under or in respect of the Indenture or any covenant, condition or provision therein contained; and all such covenants, conditions and provisions are and will be held to be for the sole and exclusive benefit of the Authority, the Trustee, the District and the Owners of the 2020A Bonds.

Waiver of Notice; Requirement of Mailed Notice. Whenever in the Indenture the giving of notice by mail or otherwise is required, the giving of such notice may be waived in writing by the person entitled to receive such notice and in any such case the giving or receipt of such notice will not be a condition precedent to the validity of any action taken in reliance upon such waiver. Whenever in the Indenture any notice is required to be given by mail, such requirement will be satisfied by the deposit of such notice in the United States mail, postage prepaid, by first class mail.

Destruction of 2020A Bonds. Whenever in the Indenture provision is made for the cancellation by the Trustee and the delivery to the Authority of any 2020A Bonds, the Trustee will destroy such 2020A Bonds as may be allowed by law, and deliver a certificate of such destruction to the Authority.

Severability of Invalid Provisions. If any one or more of the provisions contained in the Indenture or in the 2020A Bonds is for any reason held to be invalid, illegal or unenforceable in any respect, then such provision or provisions will be deemed severable from the remaining provisions contained in the Indenture and such invalidity,

illegality or unenforceability will not affect any other provision of the Indenture, and the Indenture will be construed as if such invalid or illegal or unenforceable provision had never been contained therein. The Authority has declared that it would have entered into the Indenture and each and every other section, paragraph, sentence, clause or phrase thereof and authorized the issuance of the 2020A Bonds pursuant thereto irrespective of the fact that any one or more sections, paragraphs, sentences, clauses or phrases of the Indenture may be held illegal, invalid or unenforceable.

Evidence of Rights of 2020A Bond Owners. Any request, consent or other instrument required or permitted by the Indenture to be signed and executed by 2020A Bond Owners may be in any number of concurrent instruments of substantially similar tenor and will be signed or executed by such 2020A Bond Owners in person or by an agent or agents duly appointed in writing. Proof of the execution of any such request, consent or other instrument or of a writing appointing any such agent, or of the holding by any person of 2020A Bonds transferable by delivery, will be sufficient for any purpose of the Indenture and will be conclusive in favor of the Trustee and the Authority if made in the manner provided in the Indenture.

The fact and date of the execution by any person of any such request, consent or other instrument or writing may be proved by the certificate of any notary public or other officer of any jurisdiction, authorized by the laws thereof to take acknowledgments of deeds, certifying that the person signing such request, consent or other instrument acknowledged to him the execution thereof, or by an affidavit of a witness of such execution duly sworn to before such notary public or other officer. The Ownership of 2020A Bonds will be proved by the Registration Books. Any request, consent, or other instrument or writing of the Owner of any 2020A Bond will bind every future Owner of the same 2020A Bond and the Owner of every 2020A Bond issued in exchange therefor or in lieu thereof, in respect of anything done or suffered to be done by the Trustee or the Authority in accordance therewith or reliance thereon.

Disqualified 2020A Bonds. In determining whether the Owners of the requisite aggregate principal amount of 2020A Bonds have concurred in any demand, request, direction, consent or waiver under the Indenture, 2020A Bonds which are known by the Trustee to be owned or held by or for the account of the Authority, or by any other obligor on the 2020A Bonds, or by any person directly or indirectly controlling or controlled by, or under direct or indirect common control with, the Authority or any other obligor on the 2020A Bonds, will be disregarded and deemed not to be Outstanding for the purpose of any such determination. 2020A Bonds so owned which have been pledged in good faith may be regarded as Outstanding for the purposes of the Indenture if the pledgee establishes to the satisfaction of the Trustee the pledgee's right to vote such 2020A Bonds and that the pledgee is not a person directly or indirectly controlling or controlled by, or under direct or indirect common control with, the Authority or any other obligor on the 2020A Bonds. In case of a dispute as to such right, any decision by the Trustee taken upon the advice of counsel will be full protection to the Trustee. Upon request, the Authority will certify to the Trustee those 2020A Bonds that are disqualified pursuant to the Indenture and the Trustee may conclusively rely on such certificate.

Money Held for Particular 2020A Bonds. The money held by the Trustee for the payment of the interest, principal or premium due on any date with respect to particular 2020A Bonds (or portions of 2020A Bonds in the case of registered 2020A Bonds redeemed in part only) will, on and after such date and pending such payment, be set aside on its books and held in trust by it for the Owners of the 2020A Bonds entitled thereto, subject, however, to the provisions of the Indenture but without any liability for interest thereon.

Funds and Accounts. Any fund or account that is required by the Indenture to be established and maintained by the Trustee may be established and maintained in the accounting records of the Trustee, either as a fund or an account, and may, for the purposes of such records, any audits thereof and any reports or statements with respect thereto, be treated either as a fund or as an account; but all such records with respect to all such funds and accounts will at all times be maintained in accordance with corporate trust industry standards to the extent practicable, and with due regard for the requirements of the Indenture and for the protection of the security of the 2020A Bonds and the rights of every Owner thereof.

Waiver of Personal Liability. No member, officer, agent, employee, consultant or attorney of the Authority or the District will be individually or personally liable for the payment of the principal of or premium or interest on the 2020A Bonds or be subject to any personal liability or accountability by reason of the issuance thereof; but

nothing contained in the Indenture relieves any such member, officer, agent, employee, consultant or attorney from the performance of any official duty provided by law or by the Indenture.

CUSIP Numbers. Neither the Trustee nor the Authority are liable for any defect or inaccuracy in the CUSIP number that appears on any 2020A Bond or in any redemption notice. The Trustee may, in its discretion, include in any redemption notice a statement to the effect that the CUSIP numbers on the 2020A Bonds have been assigned by an independent service and are included in such notice solely for the convenience of the 2020A Bondholders and that neither the Authority nor the Trustee are liable for any inaccuracies in such numbers.

Choice of Law. THE INDENTURE IS GOVERNED BY THE LAWS OF THE STATE OF CALIFORNIA.

Notice to Rating Agencies. The Trustee will provide any rating agency rating the 2020A Bonds with written notice of each amendment to the Indenture and a copy thereof at least 15 days in advance of its execution.

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APPENDIX D

FORM OF OPINION OF BOND COUNSEL

Upon issuance of the 2020A Bonds, Stradling Yocca Carlson & Rauth, a Professional Corporation, Bond Counsel, proposes to render its final approving opinion in substantially the following form:

May 27, 2020

Eastern Municipal Water District Financing Authority
c/o Eastern Municipal Water District
2270 Trumble Road
P.O. Box 8300
Perris, California 92572-8300

Re: \$122,145,000 Eastern Municipal Water District Financing Authority Refunding Water and Wastewater Revenue Bonds, Series 2020A

Members of the Board of Directors:

We have acted as Bond Counsel to the Eastern Municipal Water District Financing Authority (the "Authority") in connection with the issuance of \$122,145,000 aggregate principal amount of Eastern Municipal Water District Financing Authority Refunding Water and Wastewater Revenue Bonds, Series 2020A (the "Bonds"). The Bonds have been issued by the Authority pursuant to the terms of the Indenture of Trust, dated as of May 1, 2020 (the "Indenture"), by and between the Authority and U.S. Bank National Association, as trustee (the "Trustee").

The Bonds are limited obligations of the Authority payable solely from payments (the "Installment Payments") to be made by the Eastern Municipal Water District (the "District") to the Authority pursuant to an Installment Purchase Agreement, dated as of May 1, 2020 (the "Installment Purchase Agreement"), by and between the District and the Authority, and from certain funds and accounts established under the Indenture.

In connection with our representation we have examined a certified copy of the proceedings relating to the Bonds. As to questions of fact material to our opinion, we have relied upon the certified proceedings and other certifications of public officials furnished to us without undertaking to verify the same by independent investigations.

Based upon the foregoing and after examination of such questions of law as we have deemed relevant in the circumstances, but subject to the limitations set forth herein, we are of the opinion that:

1. The proceedings of the Authority show lawful authority for the issuance and sale by the Authority of the Bonds under the laws of the State of California (the "State") now in force, and the Indenture and the Installment Purchase Agreement have been duly authorized, executed and delivered by the Authority, and, assuming due authorization, execution and delivery by the Trustee, as appropriate, the Bonds, the Indenture and the Installment Purchase Agreement are valid and binding obligations of the Authority enforceable against the Authority in accordance with their respective terms.

2. The obligation of the District to make the Installment Payments from Net Revenues (as such term is defined in the Installment Purchase Agreement) is an enforceable obligation of the District and does not constitute a debt of the District, or of the State of California or of any political subdivision thereof in contravention of any constitutional or statutory debt limit or restriction, and does not constitute an obligation

for which the District is obligated to levy or pledge any form of taxation or for which the District has levied or pledged any form of taxation.

3. Under existing statutes, regulations, rulings and judicial decisions, and assuming the accuracy of certain representations and compliance with certain covenants and requirements described herein, interest on the Bonds is excluded from gross income for federal income tax purposes and is not an item of tax preference for purposes of calculating the federal alternative minimum tax imposed on individuals.

4. Interest on the Bonds is exempt from State personal income tax.

5. The amount by which a Bond Owner's original basis for determining loss on sale or exchange in the applicable Bond (generally, the purchase price) exceeds the amount payable on maturity (or on an earlier call date) constitutes amortizable Bond premium, which must be amortized under Section 171 of the Internal Revenue Code of 1986, as amended (the "Code"); such amortizable Bond premium reduces the Bond Owner's basis in the applicable Bond (and the amount of tax-exempt interest received), and is not deductible for federal income tax purposes. The basis reduction as a result of the amortization of Bond premium may result in a Bond Owner realizing a taxable gain when a Bond is sold by the Owner for an amount equal to or less (under certain circumstances) than the original cost of the Bond to the Owner. Purchasers of the Bonds should consult their own tax advisors as to the treatment, computation and collateral consequences of amortizable bond premium.

The opinions expressed herein as to the exclusion from gross income of interest on the Bonds are based upon certain representations of fact and certifications made by the District and the Authority and are subject to the condition that the District and the Authority comply with all requirements of the Code that must be satisfied subsequent to issuance of the Bonds to assure that interest on the Bonds will not become includable in gross income for federal income tax purposes. Failure to comply with such requirements of the Code might cause interest on the Bonds to be included in gross income for federal income tax purposes retroactive to the date of issuance of the Bonds. The Authority has covenanted to comply with all such requirements.

The opinions expressed herein may be affected by actions taken (or not taken) or events occurring (or not occurring) after the date hereof. We have not undertaken to determine, or to inform any person, whether any such actions or events are taken or do occur. Our engagement with respect to the Bonds terminates on the date of their issuance. The Indenture, the Installment Purchase Agreement and the Tax Certificate relating to the Bonds permit certain actions to be taken or to be omitted if a favorable opinion of Bond Counsel is provided with respect thereto. No opinion is expressed herein as to the effect on the exclusion from gross income of interest on the Bonds for federal income tax purposes if any such action is taken or omitted based upon the opinion or advice of counsel other than ourselves. Other than expressly stated herein, we express no other opinion regarding tax consequences with respect to the Bonds.

Our opinion is limited to matters governed by the laws of the State and federal law. We assume no responsibility with respect to the applicability or the effect of the laws of any other jurisdiction.

The opinions expressed herein are based upon our analysis and interpretation of existing statutes, regulations, rulings and judicial decisions and cover certain matters not directly addressed by such authorities. We call attention to the fact that the rights and obligations under the Indenture, the Installment Purchase Agreement and the Bonds are subject to bankruptcy, insolvency, reorganization, moratorium, fraudulent conveyance and other similar laws affecting creditors' rights, to the application of equitable principles if equitable remedies are sought, to the exercise of judicial discretion in appropriate cases and to limitations on legal remedies against public agencies in the State.

We express no opinion herein as to the accuracy, completeness or sufficiency of the Official Statement or other offering material relating to the Bonds and expressly disclaim any duty to advise the Owners of the Bonds with respect to matters contained in the Official Statement.

Respectfully submitted,

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APPENDIX E

INFORMATION CONCERNING DTC

The information in this section concerning DTC and DTC's book-entry only system has been obtained from sources that the Authority, the District and the Underwriters believe to be reliable, but neither the Authority, the District nor the Underwriters takes any responsibility for the completeness or accuracy thereof. The following description of the procedures and record keeping with respect to beneficial ownership interests in the 2020A Bonds, payment of principal, premium, if any, accreted value, if any, and interest on the 2020A Bonds to DTC Participants or Beneficial Owners, confirmation and transfers of beneficial ownership interests in the 2020A Bonds and other related transactions by and between DTC, the DTC Participants and the Beneficial Owners is based solely on information provided by DTC.

The Depository Trust Company ("DTC"), New York, NY, will act as securities depository for the 2020A Bonds. The 2020A Bonds will be issued as fully-registered securities registered in the name of Cede & Co. (DTC's partnership nominee) or such other name as may be requested by an authorized representative of DTC. One fully registered bond will be issued for each annual maturity of the 2020A Bonds, each in the aggregate principal amount of such annual maturity, and will be deposited with DTC.

DTC, the world's largest securities depository, is a limited-purpose trust company organized under the New York Banking Law, a "banking organization" within the meaning of the New York Banking Law, a member of the Federal Reserve System, a "clearing corporation" within the meaning of the New York Uniform Commercial Code, and a "clearing agency" registered pursuant to the provisions of Section 17A of the Securities Exchange Act of 1934. DTC holds and provides asset servicing for over 3.5 million issues of U.S. and non-U.S. equity issues, corporate and municipal debt issues, and money market instruments (from over 100 countries) that DTC's participants ("Direct Participants") deposit with DTC. DTC also facilitates the post-trade settlement among Direct Participants of sales and other securities transactions in deposited securities, through electronic computerized book-entry transfers and pledges between Direct Participants' accounts. This eliminates the need for physical movement of securities certificates. Direct Participants include both U.S. and non-U.S. securities brokers and dealers, banks, trust companies, clearing corporations, and certain other organizations. DTC is a wholly-owned subsidiary of The Depository Trust & Clearing Corporation ("DTCC"). DTCC is the holding company for DTC, National Securities Clearing Corporation and Fixed Income Clearing Corporation, all of which are registered clearing agencies. DTCC is owned by the users of its regulated subsidiaries. Access to the DTC system is also available to others such as both U.S. and non-U.S. securities brokers and dealers, banks, trust companies, and clearing corporations that clear through or maintain a custodial relationship with a Direct Participant, either directly or indirectly ("Indirect Participants"). DTC has a Standard & Poor's rating of AA+. The DTC Rules applicable to its Participants are on file with the Securities and Exchange Commission. More information about DTC can be found at www.dtcc.com.

Purchases of 2020A Bonds under the DTC system must be made by or through Direct Participants, which will receive a credit for the 2020A Bonds on DTC's records. The ownership interest of each actual purchaser of each 2020A Bond ("Beneficial Owner") is in turn to be recorded on the Direct and Indirect Participants' records. Beneficial Owners will not receive written confirmation from DTC of their purchase. Beneficial Owners are, however, expected to receive written confirmations providing details of the transaction, as well as periodic statements of their holdings, from the Direct or Indirect Participant through which the Beneficial Owner entered into the transaction. Transfers of ownership interests in the 2020A Bonds are to be accomplished by entries made on the books of Direct and Indirect Participants acting on behalf of Beneficial Owners. Beneficial Owners will not receive certificates representing their ownership interests in the 2020A Bonds, except in the event that use of the book-entry system for the 2020A Bonds is discontinued.

To facilitate subsequent transfers, all 2020A Bonds deposited by Direct Participants with DTC are registered in the name of DTC's partnership nominee, Cede & Co., or such other name as may be requested by an authorized representative of DTC. The deposit of 2020A Bonds with DTC and their registration in the name of Cede & Co. or such other DTC nominee do not effect any change in beneficial ownership. DTC has no knowledge of the actual Beneficial Owners of the 2020A Bonds; DTC's records reflect only the identity of the Direct

Participants to whose accounts such 2020A Bonds are credited, which may or may not be the Beneficial Owners. The Direct and Indirect Participants will remain responsible for keeping account of their holdings on behalf of their customers.

Conveyance of notices and other communications by DTC to Direct Participants, by Direct Participants to Indirect Participants, and by Direct Participants and Indirect Participants to Beneficial Owners will be governed by arrangements among them, subject to any statutory or regulatory requirements as may be in effect from time to time. Beneficial Owners of 2020A Bonds may wish to take certain steps to augment the transmission to them of notices of significant events with respect to the 2020A Bonds, such as redemptions, tenders, defaults, and proposed amendments to the 2020A Bond documents. For example, Beneficial Owners of 2020A Bonds may wish to ascertain that the nominee holding the 2020A Bonds for their benefit has agreed to obtain and transmit notices to Beneficial Owners. In the alternative, Beneficial Owners may wish to provide their names and addresses to the registrar and request that copies of notices be provided directly to them.

Redemption notices shall be sent to DTC. If less than all of the 2020A Bonds within a maturity are being redeemed, DTC's practice is to determine by lot the amount of the interest of each Direct Participant in such maturity to be redeemed.

Neither DTC nor Cede & Co. (nor any other DTC nominee) will consent or vote with respect to 2020A Bonds unless authorized by a Direct Participant in accordance with DTC's MMI Procedures. Under its usual procedures, DTC mails an Omnibus Proxy to the Authority as soon as possible after the record date. The Omnibus Proxy assigns Cede & Co.'s consenting or voting rights to those Direct Participants to whose accounts 2020A Bonds are credited on the record date (identified in a listing attached to the Omnibus Proxy).

Redemption proceeds, distributions, and dividend payments on the 2020A Bonds will be made to Cede & Co., or such other nominee as may be requested by an authorized representative of DTC. DTC's practice is to credit Direct Participants' accounts upon DTC's receipt of funds and corresponding detail information from the Authority or the Trustee, on payable date in accordance with their respective holdings shown on DTC's records. Payments by Participants to Beneficial Owners will be governed by standing instructions and customary practices, as is the case with securities held for the accounts of customers in bearer form or registered in "street name," and will be the responsibility of such Participant and not of DTC, the Trustee, or the Authority, subject to any statutory or regulatory requirements as may be in effect from time to time. Payment of redemption proceeds, distributions, and dividend payments to Cede & Co. (or such other nominee as may be requested by an authorized representative of DTC) is the responsibility of the Authority or the Trustee, disbursement of such payments to Direct Participants will be the responsibility of DTC, and disbursement of such payments to the Beneficial Owners will be the responsibility of Direct and Indirect Participants.

A 2020A Bond Owner shall give notice to elect to have its 2020A Bonds purchased or tendered, through its Participant, to the Trustee, and shall effect delivery of such 2020A Bonds by causing the Direct Participant to transfer the Participant's interest in the 2020A Bonds, on DTC's records, to the Trustee. The requirement for physical delivery of 2020A Bonds in connection with an optional tender or a mandatory purchase will be deemed satisfied when the ownership rights in the 2020A Bonds are transferred by Direct Participants on DTC's records and followed by a book-entry credit of tendered 2020A Bonds to the Trustee's DTC account. DTC may discontinue providing its services as depository with respect to the 2020A Bonds at any time by giving reasonable notice to the Authority or the Trustee. Under such circumstances, in the event that a successor depository is not obtained, physical certificates are required to be printed and delivered.

The Authority may decide to discontinue use of the system of book-entry only transfers through DTC (or a successor securities depository). In that event, bonds will be printed and delivered to DTC.

THE TRUSTEE, AS LONG AS A BOOK-ENTRY ONLY SYSTEM IS USED FOR THE 2020A BONDS, WILL SEND ANY NOTICE OF REDEMPTION OR OTHER NOTICES TO OWNERS ONLY TO DTC. ANY FAILURE OF DTC TO ADVISE ANY DTC PARTICIPANT, OR OF ANY DTC PARTICIPANT TO NOTIFY ANY BENEFICIAL OWNER, OF ANY NOTICE AND ITS CONTENT OR EFFECT WILL NOT AFFECT THE VALIDITY OF SUFFICIENCY OF THE PROCEEDINGS RELATING TO THE REDEMPTION OF THE 2020A BONDS CALLED FOR REDEMPTION OR OF ANY OTHER ACTION PREMISED ON SUCH NOTICE.

APPENDIX F

FORM OF CONTINUING DISCLOSURE CERTIFICATE

Upon issuance of the 2020A Bonds, the District proposes to enter into a Continuing Disclosure Certificate in substantially the following form:

This Continuing Disclosure Certificate (the “Disclosure Certificate”) is executed and delivered by Eastern Municipal Water District (the “District”) in connection with the issuance of the \$122,145,000 Eastern Municipal Water District Financing Authority Refunding Water and Wastewater Revenue Bonds, Series 2020A (the “Bonds”). The Bonds are being issued pursuant to an Indenture of Trust, dated as of May 1, 2020 (the “Indenture”), by and between U.S. Bank National Association, as trustee, and the Eastern Municipal Water District Financing Authority. The District covenants and agrees as follows:

1. Purpose of this Disclosure Certificate. This Disclosure Certificate is being executed and delivered by the District for the benefit of the Holders and Beneficial Owners of the Bonds and in order to assist the Participating Underwriter in complying with the Rule.

2. Definitions. In addition to the definitions set forth in the Indenture, which apply to any capitalized term used in this Disclosure Certificate unless otherwise defined in this Section, the following capitalized terms shall have the following meanings:

Annual Report. The term “Annual Report” means any Annual Report provided by the District pursuant to, and as described in, Sections 3 and 4 of this Disclosure Certificate.

Beneficial Owner. The term “Beneficial Owner” means any person which: (a) has the power, directly or indirectly, to vote or consent with respect to, or to dispose of ownership of, any Bonds (including persons holding Bonds through nominees, depositories or other intermediaries); or (b) is treated as the owner of any Bonds for federal income tax purposes.

EMMA. The term “EMMA” means the Municipal Securities Rulemaking Board’s Electronic Municipal Market Access System for municipal securities disclosures, maintained on the Internet at <http://emma.msrb.org/>.

Financial Obligation. The term “Financial Obligation” means a: (A) debt obligation; (B) derivative instrument entered into in connection with, or pledged as security or a source of payment for, an existing or planned debt obligation; or (C) guarantee of (A) or (B). The term “Financial Obligation” does not include municipal securities as to which a final official statement has been provided to the Municipal Securities Rulemaking Board consistent with the Rule.

Fiscal Year. The term “Fiscal Year” means the one-year period ending on the last day of June of each year.

Holder. The term “Holder” means a registered owner of the Bonds.

Listed Events. The term “Listed Events” means any of the events listed in Sections 5(a) and (b) of this Disclosure Certificate.

Official Statement. The term “Official Statement” means the Official Statement dated May 20, 2020 relating to the Bonds.

Participating Underwriter. The term “Participating Underwriter” means any of the original underwriters of the Bonds required to comply with the Rule in connection with offering of the Bonds.

Rule. The term “Rule” means Rule 15c2-12 adopted by the Securities and Exchange Commission under the Securities Exchange Act of 1934, as the same may be amended from time to time.

3. Provision of Annual Reports.

(a) The District shall provide not later than each February 1 following the end of its Fiscal Year (commencing with Fiscal Year 2020) to EMMA an Annual Report relating to the immediately preceding Fiscal Year which is consistent with the requirements of Section 4 of this Disclosure Certificate, which Annual Report may be submitted as a single document or as separate documents comprising a package, and may cross-reference other information as provided in Section 4 of this Disclosure Certificate.

(b) If the District is unable to provide to EMMA an Annual Report by the date required in subsection (a), the District shall send to EMMA a notice in the manner prescribed by the Municipal Securities Rulemaking Board.

4. Content of Annual Reports. The Annual Report shall contain or incorporate by reference the following:

(a) The Comprehensive Annual Financial Report of the District for the prior Fiscal Year, which shall include audited financial statements of the District for the prior Fiscal Year, prepared in accordance with generally accepted accounting principles as promulgated to apply to governmental entities from time to time by the Governmental Accounting Standards Board. If audited annual financial statements are not available by the time specified in Section 3(a) above, unaudited financial statements will be provided as part of the Disclosure Report and audited financial statements will be provided when and if available; and

(b) To the extent not contained in the Comprehensive Annual Financial Report, updated versions of financial information and operating data relating to the District of the type contained in the Official Statement, under the following captions; provided, that such information shall be updated only for complete Fiscal Years, not for portions of Fiscal Years:

(i) Appendix A under the caption “THE DISTRICT—Debt Structure of the District—Table 4;”

(ii) Appendix A under the caption “WATER RESOURCES, FACILITIES AND USAGE—District Water Facilities—Table 6;”

(iii) Appendix A under the caption “WATER RESOURCES, FACILITIES AND USAGE—Water Production—Tables 7, 8 and 9;”

(iv) Appendix A under the caption “WATER RESOURCES, FACILITIES AND USAGE—Water Sales and Deliveries—Table 10;”

(v) Appendix A under the caption “WASTEWATER AND RECYCLED WATER FACILITIES AND USAGE—Wastewater Facilities—Table 11;”

(vi) Appendix A under the caption “HISTORICAL FINANCIAL OPERATIONS—Operating Revenues;”

(vii) Appendix A under the caption “HISTORICAL FINANCIAL OPERATIONS—Non-Operating Revenues;” and

(viii) Appendix A under the caption “HISTORICAL OPERATING RESULTS—Table 19.”

Any or all of the items listed above may be included by specific reference to other documents, including official statements of debt issues of the District or related public entities, which have been submitted to EMMA; provided, that if any document included by reference is a final official statement, it must be available from the

Municipal Securities Rulemaking Board; and provided further, that the District shall clearly identify each such document so included by reference.

5. Reporting of Significant Events.

(a) Pursuant to the provisions of this Section 5, the District shall give, or cause to be given, notice of the occurrence of any of the following events with respect to the Bonds in a timely manner not more than ten (10) Business Days after the event:

1. principal and interest payment delinquencies.
2. unscheduled draws on debt service reserves reflecting financial difficulties.
3. unscheduled draws on credit enhancements reflecting financial difficulties.
4. substitution of credit or liquidity providers, or their failure to perform.
5. adverse tax opinions, the issuance by the Internal Revenue Service of proposed or final determinations of taxability or Notices of Proposed Issue (IRS Form 5701 TEB).
6. tender offers.
7. defeasances.
8. ratings changes.
9. bankruptcy, insolvency, receivership or similar proceedings.

Note: For the purposes of the event identified in subparagraph (9), the event is considered to occur when any of the following occur: the appointment of a receiver, fiscal agent or similar officer for an obligated person in a proceeding under the U.S. Bankruptcy Code or in any other proceeding under state or federal law in which a court or governmental authority has assumed jurisdiction over substantially all of the assets or business of the obligated person, or if such jurisdiction has been assumed by leaving the existing governmental body and officials or officers in possession but subject to the supervision and orders of a court or governmental authority, or the entry of an order confirming a plan of reorganization, arrangement or liquidation by a court or governmental authority having supervision or jurisdiction over substantially all of the assets or business of the obligated person.

10. Default, event of acceleration, termination event, modification of terms or other similar events under the terms of a Financial Obligation of the District, any of which reflect financial difficulties.

(b) Pursuant to the provisions of this Section 5, the District shall give, or cause to be given, notice of the occurrence of any of the following events with respect to the Bonds, if material:

1. unless described in Section 5(a)(5), other notices or determinations by the Internal Revenue Service with respect to the tax status of the Bonds or other events affecting the tax status of the Bonds;
2. modifications to the rights of Bond Holders.
3. optional, unscheduled or contingent Bond redemptions.
4. release, substitution or sale of property securing repayment of the Bonds.
5. non-payment related defaults.

6. the consummation of a merger, consolidation, or acquisition involving the District or the sale of all or substantially all of the assets of the District, other than in the ordinary course of business, the entry into a definitive agreement to undertake such an action or the termination of a definitive agreement relating to any such actions, other than pursuant to its terms.

7. appointment of a successor or additional trustee or the change of the name of a trustee.

8. Incurrence of a Financial Obligation of the District or agreement to covenants, events of default, remedies, priority rights, or other similar terms of a Financial Obligation of the District, any of which affect security holders.

(c) If the District determines that knowledge of the occurrence of a Listed Event under Section 5(b) would be material under applicable federal securities laws, the District shall file a notice of such occurrence with EMMA in a timely manner not more than ten (10) Business Days after the event.

6. Customarily Prepared and Public Information. Upon request, the District shall provide to any person financial information and operating data regarding the District which is customarily prepared by the District and is publicly available.

7. Termination of Obligation. The District's obligations under this Disclosure Certificate shall terminate upon the legal defeasance, prior prepayment or payment in full of all of the Bonds. If such termination occurs prior to the final maturity of the Bonds, the District shall give notice of such termination in the same manner as for a Listed Event under Section 5(c).

8. Amendment; Waiver. Notwithstanding any other provision of this Disclosure Certificate, the District may amend this Disclosure Certificate, and any provision of this Disclosure Certificate may be waived, provided that, in the opinion of nationally recognized bond counsel, such amendment or waiver is permitted by the Rule.

9. Additional Information. Nothing in this Disclosure Certificate shall be deemed to prevent the District from disseminating any other information, using the means of dissemination set forth in this Disclosure Certificate or any other means of communication, or including any other information in any notice of occurrence of a Listed Event, in addition to that which is required by this Disclosure Certificate. If the District chooses to include any information in any notice of occurrence of a Listed Event in addition to that which is specifically required by this Disclosure Certificate, the District shall not thereby have any obligation under this Disclosure Certificate to update such information or include it in any future notice of occurrence of a Listed Event.

10. Default. In the event of a failure of the District to comply with any provision of this Disclosure Certificate, any Holders or Beneficial Owners of at least 50% in aggregate principal amount of the Bonds may take such actions as may be necessary and appropriate, including seeking mandate or specific performance by court order, to cause the District to comply with its obligations under this Disclosure Certificate. A default under this Disclosure Certificate shall not be deemed an Event of Default under the Indenture, and the sole remedy under this Disclosure Certificate in the event of any failure of the District to comply with this Disclosure Certificate shall be an action to compel performance.

No Holder or Beneficial Owner of the Bonds may institute such action, suit or proceeding to compel performance unless they shall have first delivered to the District satisfactory written evidence of their status as such, and a written notice of and request to cure such failure, and the District shall have refused to comply therewith within a reasonable time.

11. Beneficiaries. This Disclosure Certificate shall inure solely to the benefit of the District, the Participating Underwriter and Holders and Beneficial Owners from time to time of the Bonds, and shall create no rights in any other person or entity.

Dated: May 27, 2020

EASTERN MUNICIPAL WATER DISTRICT

By: _____
Its: General Manager