

**DEPARTMENT OF WATER RESOURCES**

1416 NINTH STREET, P.O. BOX 942836  
SACRAMENTO, CA 94236-0001  
(916) 653-5791



June 20, 2018

Mr. Bradley Coffey, Group Manager  
Water Resource Management Group  
The Metropolitan Water District of Southern California  
Attn: Mr. David Reukema  
700 North Alameda Street  
Los Angeles, California 90012-2944

Dear Mr. Coffey:

Enclosed is a revision to your "O" invoice, dated June 30, 2017. This revision contains Off-Aqueduct Power facility charges for calendar year 2018. The revised amount reflects changes in allocations based upon updated projections through the remainder of the 2018 calendar year. The revised payments will be effective as of the August 1, 2018 scheduled payment.

If you have any questions or concerns regarding this revised Off-Aqueduct Statement of Charges for 2018, please contact Rachel Corbett, Chief of the Water Project Bill Processing and Analysis Office at (916) 653-6892.

Sincerely,

A handwritten signature in black ink, appearing to read "Vinay".

Vinay Narjit Singh Behl, Chief  
Division of Fiscal Services

Enclosures

cc: (See attached list)

Ms. Jaime Dalida, Resource Specialist  
The Metropolitan Water District of Southern California  
1121 L Street, Suite 900  
Sacramento, California 95814

Ms. Ingrid Sheipline, Auditor  
Richardson and Company, LLP  
550 Howe Avenue, Suite 210  
Sacramento, California 95825-8339

State of California  
 California Natural Resources Agency  
 DEPARTMENT OF WATER RESOURCES  
 Post Office Box 942836  
 Sacramento, California 94236-0001

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

**THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA**

OFF-AQUEDUCT POWER FACILITIES  
 MINIMUM OMP&R COMPONENT OF THE TRANSPORTATION CHARGE  
 IN 2018

Mr. Bradley Coffey, Group Manager  
 Water Resource Management Group  
 The Metropolitan Water District of Southern California  
 Attn: Mr. David Reukema  
 700 North Alameda Street  
 Los Angeles, California 90012-2944

Invoice No: 18-013-O-REVISED

Date: July 1, 2018

Contract No: 160157

[in dollars]

Due on or Before	Debt Service	Cover	Maintenance	RG4 Separation	Amount
January 1	\$0	\$0	\$10,353	\$207,981	\$218,334
February 1	0	0	10,353	207,981	218,334
March 1	0	0	10,353	207,981	218,334
April 1	0	0	10,353	207,981	218,334
May 1	0	0	10,353	207,981	218,334
June 1	0	0	10,353	207,981	218,334
July 1	0	0	10,353	207,980	218,333
August 1	0	0	(3,098)	205,145	202,047
September 1	0	0	(3,098)	205,144	202,046
October 1	0	0	(3,098)	205,144	202,046
November 1	0	0	(3,098)	205,144	202,046
December 1	0	0	(3,099)	205,144	202,045
<b>Total:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$56,980</b>	<b>\$2,481,587</b>	<b>\$2,538,567</b>

**TERMS:** As provided under Article 32 (b) of the contract, interest shall accrue at the Pooled Money Investment Fund Rate per month on delinquency payment if the delinquency continues for more than 30 days.

**DEPARTMENT OF WATER RESOURCES**

1416 NINTH STREET, P.O. BOX 942836  
 SACRAMENTO, CA 94236-0001  
 (916) 653-5791



July 1, 2018

Mr. Bradley Coffey, Group Manager  
 Water Resource Management Group  
 The Metropolitan Water District of Southern California  
 Attn: Mr. David Reukema  
 700 North Alameda Street  
 Los Angeles, California 90012-2944

Dear Mr. Coffey:

This is the Statement of Charges referred to in Article 29 of your agency's contract for a water supply from the State Water Project and Articles 17 and 22 of your Devil Canyon-Castaic Contract, for payments which will be due in calendar year 2019.

Accompanying this statement are the attachments containing the supporting data used in determining the following charges:

Invoice No. 19-014-T, Attachment 1:

Water System Revenue Bond Surcharge		\$58,478,538
Capital Cost Component		
Delta Water Charge	\$46,473,064	
Less Rate Management Credit Under Monterey Amendment	<u>6,145,141</u>	40,327,923
Transportation Charge	57,702,702	
Less Rate Management Credit Under Monterey Amendment	12,376,513	
Less Permanent Table A Transfer Credit	<u>3,385,508</u>	41,940,681
Minimum Operation, Maintenance, Power and Replacement Component		
Delta Water Charge		87,473,809
Transportation Charge		<u>78,490,523</u>
Total for Invoice No. 19-014-T		<u>\$306,711,474</u>

Devil Canyon-Castaic Contract Charges, Invoice No. 19-002-DCC, Attachment 1A:

Article 17 (a) Debt Service		\$7,833,501
Article 17 (b) Operation and Maintenance		<u>11,304,089</u>
Total for Invoice No. 19-002-DCC		<u>\$19,137,590</u>

(See reconciliation of charges between contracts per Attachment 1B)

Based on scheduled deliveries from Table A, the variable OMP&R component unit rates for the Transportation Charge are calculated on Attachment 5 for pumping water deliveries from the Delta.

The estimated charges for 2019 are:

Variable Operation, Maintenance, Power and Replacement Component		
Transportation Charge		\$180,356,265

Mr. Bradley Coffey, Group Manager  
July 1, 2018  
Page 2

In accordance with Article 28, adjustments for overpayments and underpayments of prior Transportation Charges are accumulated with interest, at the project interest rate of 4.610 percent, and are applied against the payments to be made in 2019. The adjustment of the variable OMP&R component of the Transportation Charges will be applied equally each month to the actual metered water delivery billings.

The 2019 Off-Aqueduct Facility charge, Invoice No. 19-013-O, Attachment 1-1 is:

Minimum Operation, Maintenance, Power and Replacement Component	
Off-Aqueduct Power Facilities	\$4,734,971

The 2019 Replacement Account System Charge for Conservation Facilities, Invoice No. 19-014-U, Attachment 1-2 is:

Conservation Replacement Account System Charge	\$0
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The 2019 East Branch Enlargement Facilities Transportation Charge, Invoice No. 19-004-E,

Capital Cost Component	\$29,156,840
Minimum Operation, Maintenance, Power and Replacement Component	<u>8,870,721</u>
Total East Branch Enlargement Facilities	<u>\$38,027,561</u>

The 2019 Tehachapi Second Afterbay Facilities Transportation Charge, Invoice No. 19-007-TAB,

Capital Cost Component	
Tehachapi Second Afterbay Facilities	\$4,831,592

Enclosed is Attachment 8 which shows the charges under the executed agreement for Municipal Water Quality Investigations (MWQI). The MWQI charges are included in the annual Statement of Charges under the Transportation Minimum OMP&R component.

The Transportation Capital charge shown on Attachment 1 and 1C (for M&I contractors) or 1D (for AG contractors) includes a credit for calendar year 2019 that resulted from permanent Table A sales. Attachment 11 summarizes the credit by the State Water Project repayment reach that your agency participates in.

The Conservation Capital charge shown on Attachment 1 and 1C (for M&I contractors) or 1D (for AG contractors) includes the water supply reimbursable costs of the Oroville Spillway Emergency Response. The Oroville Emergency Recovery costs are not included in the 2019 calculation.

The Transportation Minimum charge in Attachment 4B includes a line item charge for the 2019 State Water Project Water Purchases. These conservation costs were requested by the State Water Project Contractors to be recovered under Transportation Minimum rather than through the Delta Water Charge.

The Transportation and Conservation Capital charges include the reduction for the projected 2019 Rate Management Credit under the Monterey Agreement.

Mr. Bradley Coffey, Group Manager  
July 1, 2018  
Page 3

If you have any questions concerning these charges, please contact Rachel Corbett, Chief of the Water Project Bill Processing and Analysis Office at (916) 653-6892.

Sincerely,



Vinay Narjit Singh Behl, Chief  
Division of Fiscal Services

Enclosures  
Overnight Mail

cc: (See attached list)

Ms. Jaime Dalida, Resource Specialist  
The Metropolitan Water District of Southern California  
1121 L Street, Suite 900  
Sacramento, California 95814

Ms. Ingrid Sheipline, Auditor  
Richardson and Company, LLP  
550 Howe Avenue, Suite 210  
Sacramento, California 95825-8339

State of California  
 California Natural Resources Agency  
 DEPARTMENT OF WATER RESOURCES  
 Post Office Box 942836  
 Sacramento, California 94236-0001

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

CAPITAL AND MINIMUM O.M.P.&R. COMPONENT  
 CHARGES FOR A WATER SUPPLY  
 IN 2019

Mr. Bradley Coffey, Group Manager  
 Water Resource Management Group  
 The Metropolitan Water District of Southern California  
 Attn: Mr. David Reukema  
 700 North Alameda Street  
 Los Angeles, California 90012-2944

Invoice No: 19-014-T

Date: June 30, 2018

Contract No: 160157

[in dollars]

Due on or Before	Water System Revenue Bond		Capital Cost Component C/		Minimum O.M.P.&R. Component		Total Payment Due
	Surcharge	25 Percent Bond Cover Charge	Delta Water Charge A/	Transportation Charge D/	Delta Water Charge B/	Transportation Charge	
January 1	\$ 17,815,467	\$ 11,423,802	\$ 20,163,962	\$ 20,970,341	\$ 7,289,485	\$ 6,540,877	\$ 84,203,934
February 1					7,289,484	6,540,877	13,830,361
March 1					7,289,484	6,540,877	13,830,361
April 1					7,289,484	6,540,877	13,830,361
May 1					7,289,484	6,540,877	13,830,361
June 1					7,289,484	6,540,877	13,830,361
July 1	17,815,467	11,423,802	20,163,961	20,970,340	7,289,484	6,540,877	84,203,931
August 1					7,289,484	6,540,877	13,830,361
September 1					7,289,484	6,540,877	13,830,361
October 1					7,289,484	6,540,877	13,830,361
November 1					7,289,484	6,540,877	13,830,361
December 1					7,289,484	6,540,876	13,830,360
<b>Total:</b>	<b>\$ 35,630,934</b>	<b>\$ 22,847,604</b>	<b>\$ 40,327,923</b>	<b>\$ 41,940,681</b>	<b>\$ 87,473,809</b>	<b>\$ 78,490,523</b>	<b>\$ 306,711,474</b>

**TERMS:** As provided under Article 32 (b) of the contract, interest shall accrue at the Pooled Money Investment Fund Rate per month on delinquency payment if the delinquency continues for more than 30 days

- A/ 1,911,500 acre feet @ \$24.31235361
- B/ 1,911,500 acre feet @ \$45.76186727
- C/ Charges under the Capital Cost Component have been reduced by:
  - Urban Rate Reduction Credit (\$18,521,654)
  - Agricultural Rate Reduction Credit \$0
- D/ Permanent Table A Transfer Credit (\$3,385,508)



State of California  
 California Natural Resources Agency  
 DEPARTMENT OF WATER RESOURCES  
 Post Office Box 942836  
 Sacramento, California 94236-0001

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

CHARGES UNDER THE  
 DEVIL CANYON-CASTAIC CONTRACT  
 IN 2019

Invoice No: 19-002-DCC

Mr. Bradley Coffey, Group Manager  
 Water Resource Management Group  
 The Metropolitan Water District of Southern California  
 Attn: Mr. David Reukema  
 700 North Alameda Street  
 Los Angeles, California 90012-2944

Date: June 30, 2018

Contract Number: 160157

[in dollars]

Due on or Before	Debt Service on Bonds A/	O.M.P.&R. Component B/		Total Payment Due
		Devil Canyon Facilities	Castaic Facilities	
January 1	\$ 3,916,751	\$ 548,005	\$ 394,003	\$ 4,858,759
February 1		548,005	394,003	942,008
March 1		548,005	394,003	942,008
April 1		548,005	394,003	942,008
May 1		548,005	394,003	942,008
June 1		548,004	394,003	942,007
July 1	3,916,750	548,004	394,003	4,858,757
August 1		548,004	394,003	942,007
September 1		548,004	394,003	942,007
October 1		548,004	394,003	942,007
November 1		548,004	394,003	942,007
December 1		548,004	394,003	942,007
<b>Total:</b>	<b>\$ 7,833,501</b>	<b>\$ 6,576,053</b>	<b>\$ 4,728,036</b>	<b>\$ 19,137,590</b>

TERMS: As provided under Article 32 (b) of the contract, interest shall accrue at the Pooled Money Investment Fund Rate per month on delinquency payment if the delinquency continues for more than 30 days.

A/ Article 17(a)

B/ Article 17(b)

State of California  
California Natural Resources Agency  
Department of Water Resources

RECONCILIATION OF PAYMENTS DUE UNDER DEVIL CANYON-  
CASTAIC CONTRACT A/ AND WATER SUPPLY CONTRACT IN 2019  
FOR  
THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Water Supply Contract Charges	Water Supply Contract Payments if Devil Canyon-Castaic Cost Were Reimbursable Thereunder	Payments Due Under The Devil Canyon-Castaic Contract and the Water Supply Contract
WATER SYSTEM REVENUE BOND SURCHARGE	\$58,478,538	\$58,478,538
CAPITAL COST COMPONENT:		
Delta Water Charge	\$46,473,064	\$46,473,064
Less Urban Rate Reduction Credit	6,145,141	40,327,923
Transportation Charge	65,536,203	65,536,203
Less Payments made under Article 17(a) of Devil Canyon-Castaic Contract		7,833,501
Less Urban Rate Reduction Credit	12,376,513	12,376,513
Less Permanent Table A Transfer Credit	3,385,508	41,940,681
MINIMUM OMP&R COMPONENT:		
Delta Water Charge	87,473,809	87,473,809
Transportation Charge	89,794,612	89,794,612
Less Payments made under Article 17(b) of Devil Canyon-Castaic Contract		11,304,089
Subtotal:		\$306,711,474
<u>DEVIL CANYON-CASTAIC CONTRACT CHARGES</u>		
DEBT SERVICE		\$7,833,501
OPERATION AND MAINTENANCE		11,304,089
Subtotal:		\$19,137,590
<b>Total charges for Calendar Year 2019:</b>	<b>\$325,849,064</b>	<b>\$325,849,064</b>

A/ In compliance with Article 22.

Attachment 1B  
June 30, 2018

State of California  
 California Natural Resources Agency  
 Department of Water Resources  
 State Water Project

Adjustment of Capital Cost Component  
 Under Article 41, 51 and 53 of the Water Supply Contract

**THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA**

IN 2019

<u>Capital Cost Component</u> (1)	<u>Water Supply Contract Charges A/</u> (2)	<u>Urban Rate Reduction Credit B/</u> (3)	<u>Permanent Table A Transfer Credit C/</u> (4)	<u>Adjusted Charges</u> (5)
Delta Water Charge	\$46,473,064	(\$6,145,141)	\$0	\$40,327,923
Transportation Charge	57,702,702	(12,376,513)	(3,385,508)	41,940,681
Total	<u>\$104,175,766</u>	<u>(\$18,521,654)</u>	<u>(\$3,385,508)</u>	<u>\$82,268,604</u>

A/ The charges in column 2 are the payments to be credited for purposes of calculating future charges under the Water Supply Contract.

B/ The Urban Rate Reduction credit will be redetermined each year and does not affect the calculation of future charges under the Water Supply Contract.

C/ The Permanent Table A Transfer Credit will be redetermined each year and does not affect the calculation of future charges under the Water Supply Contract.

State of California  
 California Natural Resources Agency  
 DEPARTMENT OF WATER RESOURCES  
 Post Office Box 942836  
 Sacramento, California 94236-0001

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

OFF-AQUEDUCT POWER FACILITIES  
 MINIMUM OMP&R COMPONENT OF THE TRANSPORTATION CHARGE  
 IN 2019

Mr. Bradley Coffey, Group Manager  
 Water Resource Management Group  
 The Metropolitan Water District of Southern California  
 Attn: Mr. David Reukema  
 700 North Alameda Street  
 Los Angeles, California 90012-2944

Invoice No: 19-013-O  
 Date: June 30, 2018  
 Contract No: 160157

[in dollars]

Due on or Before	Debt Service	Cover	Maintenance	RG4 Separation	Amount
January 1	\$0	\$0	\$10,526	\$384,056	\$394,582
February 1	0	0	10,526	384,055	394,581
March 1	0	0	10,526	384,055	394,581
April 1	0	0	10,526	384,055	394,581
May 1	0	0	10,526	384,055	394,581
June 1	0	0	10,526	384,055	394,581
July 1	0	0	10,526	384,055	394,581
August 1	0	0	10,526	384,055	394,581
September 1	0	0	10,526	384,055	394,581
October 1	0	0	10,526	384,055	394,581
November 1	0	0	10,525	384,055	394,580
December 1	0	0	10,525	384,055	394,580
<b>Total:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$126,310</b>	<b>\$4,608,661</b>	<b>\$4,734,971</b>

TERMS: As provided under Article 32 (b) of the contract, interest shall accrue at the Pooled Money Investment Fund Rate per month on delinquency payment if the delinquency continues for more than 30 days.

State of California  
 California Natural Resources Agency  
 DEPARTMENT OF WATER RESOURCES  
 Post Office Box 942836  
 Sacramento, California 94236-0001

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

CONSERVATION REPLACEMENT ACCOUNT SYSTEM CHARGE

IN 2019

Mr. Bradley Coffey, Group Manager  
 Water Resource Management Group  
 The Metropolitan Water District of Southern California  
 Attn: Mr. David Reukema  
 700 North Alameda Street  
 Los Angeles, California 90012-2944

Invoice No: 19-014-U  
 Date: June 30, 2018  
 Contract No: 160157

[in dollars]

<u>Due on or Before</u>	<u>Amount Due</u>
January 1	\$0
February 1	0
March 1	0
April 1	0
May 1	0
June 1	0
July 1	0
August 1	0
September 1	0
October 1	0
November 1	0
December 1	0
<b>Total:</b>	<u><u>\$0</u></u>

**TERMS:** As provided under Article 32 (b) of the contract, interest shall accrue at the Pooled Money Investment Fund Rate per month on delinquency payment if the delinquency continues for more than 30 days.

State of California  
 California Natural Resources Agency  
 DEPARTMENT OF WATER RESOURCES  
 Post Office Box 942836  
 Sacramento, California 94236-0001

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

EAST BRANCH ENLARGEMENT FACILITIES  
 CAPITAL AND MINIMUM OMP&R COMPONENT OF THE TRANSPORTATION CHARGE  
 IN 2019

Mr. Bradley Coffey, Group Manager  
 Water Resource Management Group  
 The Metropolitan Water District of Southern California  
 Attn: Mr. David Reukema  
 700 North Alameda Street  
 Los Angeles, California 90012-2944

Invoice No: 19-004-E  
 Date: June 30, 2018  
 Contract No: 160157

[in dollars]

Due on or Before	Capital Cost Component			Minimum OMP&R Component	Total Payment Due
	Bond Principal and Interest Charge	25 Percentage Bond Cover Charge	Devil Canyon Second Afterbay Debt Service Charge		
January 1				\$ 739,227	\$ 739,227
February 1				739,227	739,227
March 1	\$ 3,005,224	\$ 2,979,977	\$ 519,151	739,227	7,243,579
April 1				739,227	739,227
May 1				739,227	739,227
June 1				739,227	739,227
July 1				739,227	739,227
August 1				739,227	739,227
September 1	16,712,801	2,979,976	2,959,711	739,227	23,391,715
October 1				739,226	739,226
November 1				739,226	739,226
December 1				739,226	739,226
<b>Total:</b>	<b>\$ 19,718,025</b>	<b>\$ 5,959,953</b>	<b>\$ 3,478,862</b>	<b>\$ 8,870,721</b>	<b>\$ 38,027,561</b>

TERMS: As provided under Article 32 (b) of the contract, interest shall accrue at the Pooled Money Investment Fund Rate per month on delinquency payment if the delinquency continues for more than 30 days.

State of California  
 California Natural Resources Agency  
 DEPARTMENT OF WATER RESOURCES  
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 Sacramento, California 94236-0001

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

TEHACHAPI SECOND AFTERBAY FACILITIES  
 CAPITAL COMPONENT OF THE TRANSPORTATION CHARGE  
 IN 2019

Mr. Bradley Coffey, Group Manager  
 Water Resource Management Group  
 The Metropolitan Water District of Southern California  
 Attn: Mr. David Reukema  
 700 North Alameda Street  
 Los Angeles, California 90012-2944

Invoice No: 19-007-TAB

Date: June 30, 2018

Contract No: 160157

[in dollars]

Due on or Before	Capital Cost Component		Total Payment Due
	Tehachapi Second Afterbay Debt Service Charge	25 Percentage Bond Cover Charge	
January 1			
February 1			
March 1	\$ 1,932,637	\$ 483,160	\$ 2,415,797
April 1			
May 1			
June 1			
July 1			
August 1			
September 1	1,932,636	483,159	2,415,795
October 1			
November 1			
December 1			
<b>Total:</b>	\$ 3,865,273	\$ 966,319	\$ 4,831,592

TERMS: As provided under Article 32 (b) of the contract, interest shall accrue at the Pooled Money Investment Fund Rate per month on delinquency payment if the delinquency continues for more than 30 days





STATE OF CALIFORNIA  
 CALIFORNIA NATURAL RESOURCES AGENCY  
 DEPARTMENT OF WATER RESOURCES  
 STATE WATER PROJECT  
 ADJUSTMENTS OF CAPITAL COST COMPONENT  
 UNDER ARTICLE 28

FOR THE

**THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA**

(In dollars)

Year	Calculated Components as of 01/01/2018	Payment Received	Current Overpayment (-) or Underpayment	Annual Difference Capitalized to 2019	Adjusted Calculated Component, this Statement
(1)	(2)	(3)	(4)	(5)	(6)
1963	690,812	1,341,244	(650,432)	(8,115,233)	
1964	1,260,513	1,305,950	(45,437)	(541,921)	
1965	2,180,589	701,706	1,478,883	16,861,130	
1966	3,900,172	4,340,884	(440,712)	(4,803,245)	
1967	7,693,703	5,655,301	2,038,402	21,237,157	
1968	14,345,147	14,116,546	228,601	2,276,730	
1969	21,857,456	22,407,937	(550,481)	(5,240,855)	
1970	28,992,595	30,498,028	(1,505,433)	(13,700,873)	
1971	37,242,413	29,828,838	7,413,575	64,497,277	
1972	44,062,125	42,837,315	1,224,810	10,186,128	
1973	46,299,581	51,669,401	(5,369,820)	(42,690,088)	
1974	48,322,678	53,551,716	(5,229,038)	(39,738,902)	
1975	49,285,084	50,188,747	(903,663)	(6,564,889)	
1976	50,137,295	50,307,059	(169,764)	(1,178,947)	
1977	50,827,166	50,661,074	166,092	1,102,614	
1978	51,426,581	51,529,164	(102,583)	(650,996)	
1979	52,230,344	52,345,224	(114,880)	(696,902)	
1980	53,637,412	53,914,935	(277,523)	(1,609,361)	
1981	56,667,437	75,249,805	(18,582,368)	(103,010,793)	
1982	57,465,063	38,187,869	19,277,194	102,153,275	
1983	59,037,472	60,817,092	(1,779,620)	(9,014,933)	
1984	60,313,580	83,435,446	(23,121,866)	(111,965,689)	
1985	61,144,629	83,296,684	(2,152,055)	(9,961,902)	
1986	61,666,346	61,886,291	(219,945)	(973,263)	
1987	62,094,710	63,080,185	(985,475)	(4,168,581)	
1988	62,452,912	64,163,379	(1,710,467)	(6,916,461)	
1989	62,796,236	65,087,315	(2,291,079)	(8,855,968)	
1990	63,762,459	65,283,556	(1,521,097)	(5,620,562)	
1991	64,677,355	66,131,997	(1,454,642)	(5,138,138)	
1992	65,776,353	66,758,567	(982,214)	(3,316,521)	
1993	66,905,041	64,717,201	2,187,840	7,061,855	
1994	68,486,622	65,951,956	2,534,666	7,820,794	
1995	69,373,540	67,571,491	1,802,049	6,315,248	
1996	70,251,056	67,559,395	2,691,661	7,589,340	
1997	71,530,953	69,403,422	2,127,531	5,734,379	
1998	72,283,436	70,876,436	1,407,000	3,625,196	
1999	72,917,423	71,998,795	918,628	2,262,580	
2000	73,432,162	71,926,676	1,505,486	3,544,603	
2001	73,741,965	72,688,988	1,052,977	2,369,936	
2002	73,915,736	72,995,199	920,537	1,980,549	
2003	74,256,539	72,085,522	2,171,017	4,465,133	
2004	74,601,782	72,235,512	2,366,270	4,652,243	
2005	68,499,909	66,713,069	1,786,850	3,358,249	
2006	68,876,841	64,971,648	3,905,193	7,016,074	
2007	69,605,880	65,385,113	4,220,767	7,248,862	
2008	70,216,830	67,418,461	2,798,369	4,594,203	
2009	70,888,202	67,434,698	3,453,504	5,419,910	
2010	72,113,606	68,406,585	3,707,021	5,561,396	
2011	73,157,328	68,792,145	4,365,183	6,260,199	
2012	73,889,550	69,968,885	3,920,665	5,374,922	
2013	74,246,181	70,871,374	3,374,807	4,422,707	
2014	75,382,413	70,950,880	4,431,733	5,551,874	
2015	75,925,119	71,775,331	4,149,788	4,969,569	
2016	76,766,861	73,439,088	3,327,773	3,809,547	
2017	76,998,879	72,792,315	4,206,564	4,603,349	
2018	72,862,959	69,323,168	3,539,791	3,702,975	
2019	69,475,686				21,630,666
			TOTAL	(47,845,020)	

STATE OF CALIFORNIA  
 CALIFORNIA NATURAL RESOURCES AGENCY  
 DEPARTMENT OF WATER RESOURCES  
 STATE WATER PROJECT  
 ADJUSTMENTS OF MINIMUM COST COMPONENT  
 UNDER ARTICLE 2B  
 FOR THE

**THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA**

(in dollars)

Year	Calculated Components as of 01/01/2018	Payment Received	Current Overpayment (-) or Underpayment	Annual Difference Capitalized to 2019	Adjusted Calculated Component, this Statement
1968	972,734	1,711,661	(738,827)	(7,358,276)	
1969	1,295,607	1,314,941	(19,334)	(184,066)	
1970	1,624,569	2,041,108	(416,539)	(3,790,907)	
1971	2,716,584	2,845,550	(128,966)	(1,121,989)	
1972	8,038,463	7,857,023	181,440	1,508,946	
1973	9,890,316	8,934,684	955,632	7,597,276	
1974	11,581,491	7,472,377	4,109,114	31,227,866	
1975	13,584,548	12,965,036	619,512	4,500,601	
1976	12,862,489	15,656,909	(2,794,420)	(19,406,151)	
1977	16,203,899	15,445,746	757,953	5,031,724	
1978	17,811,770	12,906,948	4,904,822	31,126,087	
1979	16,414,289	27,062,599	(10,648,310)	(64,596,466)	
1980	20,926,898	21,561,704	(634,806)	(3,681,257)	
1981	23,731,024	14,924,917	8,806,107	48,816,390	
1982	27,994,510	36,966,205	(8,971,695)	(47,542,607)	
1983	38,953,367	49,334,929	(10,381,562)	(52,589,372)	
1984	45,597,671	45,517,432	80,239	388,552	
1985	50,084,444	56,783,089	(6,718,645)	(31,100,727)	
1986	52,858,915	30,809,854	22,049,061	97,567,632	
1987	50,737,631	51,359,647	(622,016)	(2,631,141)	
1988	51,262,231	50,654,835	607,396	2,456,073	
1989	52,638,942	69,131,749	(16,492,807)	(63,751,533)	
1990	61,053,824	47,212,462	13,841,362	51,144,824	
1991	60,874,529	59,177,025	1,697,504	5,995,983	
1992	67,460,598	72,160,742	(4,700,144)	(15,870,390)	
1993	68,749,547	62,491,809	6,257,738	20,198,570	
1994	63,898,029	72,700,847	(8,802,818)	(27,161,378)	
1995	68,079,888	65,023,889	3,055,999	9,013,845	
1996	72,757,439	68,296,146	4,461,293	12,578,951	
1997	75,655,465	82,662,153	(7,006,688)	(18,885,270)	
1998	80,540,695	77,734,742	2,805,953	7,229,655	
1999	86,320,578	94,936,960	(8,616,382)	(21,222,132)	
2000	82,505,333	103,431,917	(20,926,584)	(49,270,751)	
2001	92,945,584	61,532,014	31,413,570	70,702,527	
2002	85,413,719	88,214,191	(2,800,472)	(6,025,257)	
2003	82,357,577	113,391,880	(31,034,303)	(63,828,293)	
2004	99,543,042	77,477,460	22,065,582	43,382,384	
2005	74,184,438	58,088,434	16,096,004	30,251,220	
2006	76,402,019	83,620,114	(7,218,095)	(12,968,036)	
2007	105,198,667	76,223,977	28,974,690	49,761,931	
2008	113,707,817	117,915,033	(4,207,216)	(6,907,169)	
2009	99,961,167	113,674,304	(13,713,137)	(21,521,316)	
2010	98,291,257	126,045,953	(27,754,696)	(41,838,521)	
2011	105,536,513	106,471,604	(935,091)	(1,341,033)	
2012	118,664,443	91,298,718	27,365,725	37,516,246	
2013	132,931,302	123,679,911	9,251,391	12,124,009	
2014	145,864,746	114,718,519	30,946,227	38,768,028	
2015	131,828,685	187,457,029	(55,628,344)	(66,617,593)	
2016	131,261,678	165,658,546	(34,396,868)	(39,376,627)	
2017	135,179,886	141,023,234	(5,843,348)	(6,394,523)	
2018	148,889,895	135,735,328	13,154,567	13,760,994	
2019	147,937,015				83,804,548
			Total	(64,132,467)	
SWP Water Purchase Program 2019					5,990,064
Net Minimum Charges:					<u>89,794,612</u>

STATE OF CALIFORNIA  
 CALIFORNIA NATURAL RESOURCES AGENCY  
 DEPARTMENT OF WATER RESOURCES  
 STATE WATER PROJECT  
 ADJUSTMENTS OF VARIABLE COST COMPONENT  
 UNDER ARTICLE 28

FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

(in dollars)

Year	Annual Quantities Delivered or Requested	Calculated Components as of 01/01/2018	Payments Received	Current Overpayment (-) or Underpayment	Annual Difference Capitalized to 2019	Adjusted Calculated Component, this Statement
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1972	71,938	848,011	738,659	109,352	909,429	
1973	159,883	1,083,328	1,280,232	(196,904)	(1,565,387)	
1974	277,717	1,872,297	1,753,039	119,258	906,319	
1975	526,491	3,887,152	4,163,244	(276,092)	(2,005,739)	
1976	618,451	5,485,263	4,952,315	532,948	3,701,116	
1977	189,755	(796,686)	(231,716)	(564,970)	(3,750,594)	
1978	507,565	3,696,428	7,850,079	(4,153,651)	(26,359,142)	
1979	477,074	4,021,960	(3,971,767)	7,993,727	48,492,817	
1980	531,727	5,362,245	8,770,811	(3,408,566)	(19,766,352)	
1981	795,846	10,862,932	8,679,376	2,183,556	12,104,477	
1982	691,192	7,685,168	9,181,112	(1,495,944)	(7,927,275)	
1983	343,521	(8,994,497)	(5,993,116)	(3,001,381)	(15,203,951)	
1984	457,582	(7,633,741)	(7,893,940)	260,199	1,259,992	
1985	683,625	(15,739,366)	(6,788,098)	(8,951,268)	(41,435,582)	
1986	708,840	1,135,478	6,687,441	(5,551,963)	(24,567,572)	
1987	712,424	(3,007,097)	7,935,849	(10,942,946)	(46,288,887)	
1988	902,564	(3,407,929)	(8,903,510)	5,495,581	22,221,987	
1989	1,156,698	9,488,536	(5,351,958)	14,840,494	57,364,658	
1990	1,396,423	30,759,725	24,090,472	6,669,253	24,643,369	
1991	391,447	184,870	20,546,087	(20,361,217)	(71,920,614)	
1992	710,313	(9,471,028)	(14,638,492)	5,167,464	17,448,333	
1993	652,190	(21,473,875)	(45,542,508)	24,068,633	77,688,131	
1994	807,866	4,059,683	10,248,885	(6,189,202)	(19,096,979)	
1995	436,042	(4,895,977)	(8,047,784)	3,151,807	9,296,435	
1996	593,380	1,859,275	8,093,981	(6,234,706)	(17,579,221)	
1997	721,810	2,428,729	(1,594,566)	4,023,295	10,844,069	
1998	410,065	(14,593,773)	(8,107,455)	(6,486,318)	(16,712,270)	
1999	852,617	(9,194,693)	(8,535,154)	(659,539)	(1,624,443)	
2000	1,522,412	(14,982,560)	39,588,478	(54,571,038)	(128,485,185)	
2001	970,869	157,946,899	94,286,088	63,660,811	143,281,395	
2002	1,408,919	59,841,457	68,188,773	(8,347,316)	(17,959,378)	
2003	1,649,639	94,319,451	83,653,491	10,665,960	21,936,693	
2004	1,582,735	107,156,248	92,165,160	14,991,088	29,473,464	
2005	1,528,045	113,938,011	112,260,560	1,677,451	3,152,642	
2006	1,512,186	82,429,250	115,993,559	(33,564,309)	(60,301,670)	
2007	1,350,477	137,718,921	174,432,589	(36,713,668)	(63,053,066)	
2008	719,069	83,688,920	68,579,752	15,089,168	24,772,538	
2009	787,605	60,878,165	72,182,125	(11,303,960)	(17,740,368)	
2010	1,150,524	89,834,714	82,902,324	6,932,390	10,400,203	
2011	1,540,663	132,160,509	110,349,261	21,811,248	31,279,956	
2012	1,214,897	108,387,593	131,264,463	(22,876,870)	(31,362,380)	
2013	789,290	108,825,141	86,127,802	22,697,339	29,745,012	
2014	282,130	69,920,453	44,278,183	25,642,270	32,123,472	
2015	441,816	111,685,780	101,555,175	10,130,605	12,131,882	
2016	1,018,252	164,149,785	167,676,086	(3,526,301)	(4,036,816)	
2017	1,541,443	214,878,226	189,750,556	25,127,670	27,497,842	
2018	629,183	136,887,287	129,653,456	7,233,831	7,567,313	
2019	1,146,900	158,500,857				180,001,530
				TOTAL	21,500,673	

State of California  
California Natural Resources Agency  
DEPARTMENT OF WATER RESOURCES

AMORTIZATION OF CAPITAL COST COMPONENT ADJUSTMENT  
FOR PRIOR TRANSPORTATION CHARGES

UNDER AMENDMENT OF WATER CONTRACT  
FOR THE

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

IN 2019

Transportation Charges

Transportation Components	Calculated 1/1/2018	Under "One-Shot" Adjustment	Amortization of "One-Shot" Adjustment (Column 2 minus Column 1)
	(1)	(2)	(3)
Capital Cost Component	69,475,686	21,630,666	(47,845,020)
Capital Cost Component difference to be amortized			(47,845,020)
Divided by remaining water deliveries 1/			23,215,169 *
Unit rate for amortizing difference 2/			(2.060938)
Unit rate applied to 2019 deliveries of		1,911,500 acre feet	(3,939,483)
Plus calculated 2019 Capital Cost Component			<u>69,475,686</u>
Adjusted Capital Cost Component			<u><u>65,536,203</u></u>

1/ Reduced to present worth at 4.610%

2/ Per acre-foot of remaining deliveries.

\* Acre-feet

STATE OF CALIFORNIA  
 CALIFORNIA NATURAL RESOURCES AGENCY  
 DEPARTMENT OF WATER RESOURCES  
 STATE WATER PROJECT  
 ADJUSTMENTS OF CAPITAL COST COMPONENT  
 OF EAST BRANCH ENLARGEMENT TRANSPORTATION CHARGES  
 AT THE SURPLUS MONEY INVESTMENT FUND RATE  
 FOR THE

**METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA**

[In dollars]

Calendar Year	Calculated Component as of 01/01/2018	Payments Received	Current Overpayment (-) or Underpayment	Annual Difference Capitalized to 2019	Adjusted Component, this Statement
	[1]	[2]	[3]	[4]	[5]
1988	8,552,529	8,556,172	(3,643)	(11,113)	
1989	8,978,504	8,991,417	(12,913)	(36,427)	
1990	8,983,597	9,020,145	(36,548)	(94,700)	
1991	8,983,717	9,009,739	(26,022)	(62,184)	
1992	17,989,315	18,053,820	(64,505)	(143,769)	
1993	18,742,682	18,754,578	(11,896)	(25,195)	
1994	18,591,099	18,705,728	(114,629)	(232,326)	
1995	18,556,603	16,729,731	1,826,872	3,534,499	
1996	18,647,406	20,262,394	(1,614,988)	(2,951,988)	
1997	19,545,322	19,141,671	403,651	698,635	
1998	19,966,108	19,092,267	873,841	1,431,661	
1999	20,947,475	20,301,335	646,140	1,002,354	
2000	22,957,586	17,085,146	5,872,440	8,656,382	
2001	22,965,748	31,847,016	(8,881,268)	(12,304,484)	
2002	22,425,318	22,276,589	148,729	196,494	
2003	19,087,337	22,768,985	(3,681,648)	(4,738,043)	
2004	20,695,237	19,038,306	1,656,931	2,096,100	
2005	15,518,826	17,204,043	(1,685,217)	(2,097,444)	
2006	21,996,926	17,589,839	4,407,087	5,324,997	
2007	21,205,488	20,041,387	1,164,101	1,344,087	
2008	19,895,328	21,870,151	(1,974,823)	(2,168,481)	
2009	20,447,424	20,084,800	362,624	386,039	
2010	20,995,084	20,584,992	410,092	431,289	
2011	20,222,785	21,198,361	(975,576)	(1,020,723)	
2012	20,463,459	21,513,121	(1,049,662)	(1,093,473)	
2013	17,634,660	16,714,447	920,213	955,277	
2014	18,722,067	18,442,404	279,663	289,582	
2015	20,902,785	20,213,303	689,482	712,276	
2016	20,847,856	20,986,750	(138,894)	(140,911)	
2017	21,448,686	21,621,713	(173,027)	(174,460)	
2018	29,856,813	30,262,000	(405,187)	(412,519)	
2019	29,805,408 *				29,156,840
				(648,568)	

\* Included in the 2019 calculated component is \$5,959,953 for East Branch Enlargement Bond Cover and \$3,478,862 for Devil Canyon Second Afterbay Debt Service.

STATE OF CALIFORNIA  
CALIFORNIA NATURAL RESOURCES AGENCY  
DEPARTMENT OF WATER RESOURCES  
STATE WATER PROJECT  
ADJUSTMENTS OF MINIMUM OMP&R COST COMPONENT  
OF EAST BRANCH ENLARGEMENT TRANSPORTATION CHARGES  
AT THE SURPLUS MONEY INVESTMENT FUND RATE  
FOR THE

**METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA**

[In dollars]

Calendar Year	Calculated Component as of 01/01/2018	Payments Received	Current Overpayment (-) or Underpayment	Annual Difference Capitalized to 2019	Adjusted Component, this Statement
	[1]	[2]	[3]	[4]	[5]
1991	0	86,529	(86,529)	(206,776)	
1992	0	339,060	(339,060)	(755,697)	
1993	0	(68,950)	68,950	146,031	
1994	2,174,776	(213,745)	2,388,521	4,840,965	
1995	1,895,643	2,839,696	(944,053)	(1,826,485)	
1996	1,990,213	2,810,767	(820,554)	(1,499,866)	
1997	2,642,077	1,296,887	1,345,190	2,328,242	
1998	2,915,152	1,850,818	1,064,334	1,743,756	
1999	1,599,082	3,847,978	(2,248,896)	(3,488,703)	
2000	2,763,211	2,949,526	(186,315)	(274,641)	
2001	2,122,384	13,032,437	(10,910,053)	(15,115,248)	
2002	2,713,180	(5,934,164)	8,647,344	11,424,481	
2003	3,160,993	1,352,030	1,808,963	2,328,018	
2004	3,410,984	3,040,705	370,279	468,421	
2005	3,162,111	2,605,075	557,036	693,294	
2006	3,344,934	4,317,052	(972,118)	(1,174,591)	
2007	4,394,003	4,321,833	72,170	83,329	
2008	4,668,793	3,665,831	1,002,962	1,101,316	
2009	4,885,310	7,003,623	(2,118,313)	(2,255,097)	
2010	4,502,504	4,362,778	139,726	146,948	
2011	4,661,322	8,607,829	(3,946,507)	(4,129,140)	
2012	4,376,367	6,041,609	(1,665,242)	(1,734,746)	
2013	4,993,224	5,698,589	(705,365)	(732,242)	
2014	6,026,881	4,290,132	1,736,749	1,798,350	
2015	7,144,424	2,139,332	5,005,092	5,170,558	
2016	7,191,016	5,427,771	1,763,245	1,816,011	
2017	6,899,614	8,704,128	(1,804,514)	(1,848,010)	
2018	7,621,816	6,055,189	1,566,627	1,588,779	
2019	8,233,464	0	0	0	8,870,721
				637,257	

State of California  
California Natural Resources Agency  
DEPARTMENT OF WATER RESOURCES

State Water Resources Development System

ESTIMATED VARIABLE O.M.P.R. COMPONENT  
CHARGES FOR WATER DELIVERIES DURING

Calendar Year 2019  
For

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

<u>WATER DELIVERIES</u>	<u>VARIABLE O.M.P.&amp;R. COMPONENT TRANSPORTATION CHARGE</u>		
<u>DESCRIPTION</u> (1)	<u>ACRE-FEET</u> (2)	<u>UNIT CHARGE 1/</u> (3)	<u>AMOUNT</u> (4)
Reach 10A	64,097	21.4992720	1,378,039
Reach 12E	31,933	21.4992720	686,536
Reach 14C	81,059	33.0947275	2,682,626
Reach 19	10,000	172.2609457	1,722,609
East Branch Reach 26A, 28H and 28J	564,153	154.8077813	87,335,275
VEBX-R1	0	0.0000000	0
West Branch Reach 30	395,658	163.5143806	64,695,772
		Sub total	158,500,857
			21,500,673
			5,397,026
			(5,042,291)
			180,356,265

1/ Derived by dividing column (4) by column (2).  
2/ Will be applied 1/12 monthly to the actual 2019  
water delivery billings.

East Branch Enlargement Facilities  
 Transportation Charge for  
 The Metropolitan Water District of Southern California  
 (in dollars)

Year	Capital Component	Minimum OMP&R Component	Total East Branch Enlargement Transportation Charge
	[1]	[2]	[3]
1986	0	0	0
1987	0	0	0
1988	8,556,172	0	8,556,172
1989	8,991,417	0	8,991,417
1990	9,020,145	0	9,020,145
1991	9,009,739	86,529	9,096,268
1992	18,053,820	339,060	18,392,880
1993	18,754,578	(68,950)	18,685,628
1994	18,705,728	(213,745)	18,491,983
1995	16,729,731	2,839,696	19,569,427
1996	20,262,394	2,810,767	23,073,161
1997	19,141,671	1,296,887	20,438,558
1998	19,092,267	1,850,818	20,943,085
1999	20,301,335	3,847,978	24,149,313
2000	17,085,146	2,949,526	20,034,672
2001	31,847,016	13,032,437	44,879,453
2002	22,276,589	(5,934,164)	16,342,425
2003	22,768,985	1,352,030	24,121,015
2004	19,038,306	3,040,705	22,079,011
2005	17,204,043	2,605,075	19,809,118
2006	17,589,839	4,317,052	21,906,891
2007	20,041,387	4,321,833	24,363,220
2008	21,870,151	3,665,831	25,535,982
2009	20,084,800	7,003,623	27,088,423
2010	20,584,992	4,362,778	24,947,770
2011	21,198,361	8,607,829	29,806,190
2012	21,513,121	6,041,609	27,554,730
2013	16,714,447	5,698,589	22,413,036
2014	18,442,404	4,290,132	22,732,536
2015	20,213,303	2,139,332	22,352,635
2016	20,986,750	5,427,771	26,414,521
2017	21,621,713	8,704,128	30,325,841
2018	30,262,000	6,055,189	36,317,189
2019	29,156,840	8,870,721	38,027,561
2020	29,179,291	8,972,240	38,151,531
2021	29,819,225	8,972,240	38,791,465
2022	28,708,777	8,972,240	37,681,017
2023	23,649,509	8,972,240	32,621,749
2024	24,852,261	8,972,240	33,824,501
2025	28,361,325	8,972,240	37,333,565
2026	11,018,720	8,972,240	19,990,960
2027	11,292,836	8,972,240	20,265,076
2028	7,351,399	8,972,240	16,323,639
2029	7,673,564	8,972,240	16,645,804
2030	1,555,364	8,972,240	10,527,604
2031	1,549,763	8,972,240	10,522,003
2032	1,552,600	8,972,240	10,524,840
2033	1,550,491	8,972,240	10,522,731
2034	1,552,674	8,972,240	10,524,914
2035	1,553,240	8,972,240	10,525,480
<b>Total</b>	<b>828,340,229</b>	<b>252,896,906</b>	<b>1,081,237,135</b>



State of California  
 California Natural Resources Agency  
 Department of Water Resources  
 State Water Project  
 Municipal Water Quality Investigations Costs<sup>1</sup>  
 for  
 THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

(in dollars)

Year	Charges
1994	943,103
1995	1,259,042
1996	1,408,491
1997	1,325,623
1998	1,206,301
1999	785,510
2000	720,935
2001	969,130
2002	1,108,894
2003	1,161,645
2004	1,272,803
2005	538,365
2006	1,035,985
2007	1,558,195
2008	1,929,498
2009	1,286,263
2010	1,791,297
2011	1,667,959
2012	1,859,027
2013	1,484,298
2014	1,852,017
2015	1,653,529
2016	1,689,610
2017	1,670,827
2018	1,670,827
2019	1,670,827
Total	35,520,001

1. Pursuant to the Municipal Water Quality Investigations Agreements executed in 1994, 1997, 2003, 2006, 2008, 2010 and 2014, these costs are included in the annual Statements of Charges under the Transportation Minimum OMP&R component.

State of California  
 California Natural Resources Agency  
 Department of Water Resources  
 State Water Project  
 Permanent Table A Transfer Credit<sup>1</sup>  
 for  
 THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

(in dollars)

State Water Project Repayment Reach	2019 Credit
CA-R1	(12,989)
CA-R2A	(2,160)
CA-R2B	(1,096)
CA-R3	(930)
CA-R4	(1,618)
CA-R5	(1,233)
CA-R6	(303)
CA-R7	(1,554)
CA-R8C	(42)
CA-R8D	(701)
CA-R9	(25,331)
CA-R10A	(27,583)
CA-R11B	(42,919)
CA-R12D	(44,129)
CA-R12E	(29,599)
CA-R13B	(74,319)
CA-R14A	(281,866)
CA-R14B	(45,160)
CA-R14C	(38,520)
CA-R15A	(225,078)
CA-R16A	(389,209)
CA-R17E	(1,450,685)
CA-R17F	(359,562)
CA-R18A	(33,313)
CA-R19	(24,174)
CA-R20A	(75)
CA-R20B	(92)
CA-R21	(48)
CA-R22A	(50)
CA-R22B	(41,272)
CA-R29A	(30,770)
CA-R29F	(22,322)
CA-R29G	(70,995)
CA-R29H	(11,526)
CA-R29J	(74,988)
CA-R30	(19,297)
<b>Total</b>	<b>(3,385,508)</b>

<sup>1</sup> This credit is to offset charges incurred when a buying contractor in a permanent Table A transfer requires downstream capacity from a selling contractor.

## FOOTNOTES

### Attachment 4A

- 1/ From Table B-15 of Appendix B to Bulletin 132-18, "Management of the California State Water Project".
- 2/ Payments in 2018 are assumed to be equal to those amounts shown on the Statement of Charges for 2018.

### Attachment 4B

- 1/ From Table B-16 of Appendix B to Bulletin 132-18.
- 2/ Payments in 2018 are assumed to be equal to those amounts shown on the Statement of Charges for 2018.

### Attachment 4C

- 1/ From Table B-5a of Appendix B to Bulletin 132-18.
- 2/ From Table B-18 of Appendix B to Bulletin 132-18.
- 3/ Payments in 2018 are equal to the current calculated component plus the over/under adjustment for prior years.

### Attachments 4A, 4B, & 4C

- 4/ As indicated in this annual redetermination of charges by subtracting the respective annual payment received as shown in Column (3) from the current redetermination of the component as shown in Column (2).
- 5/ Derived by multiplying each respective remainder shown in Column (4) by the applicable "compound amount factor". This factor is numerically equal to  $(1 + i)^n$ , where "i" equals the current project interest rate of 4.610 percent per annum and "n" equals the number of interest periods between the year in which each previous payment was made and the year covered by this statement. The resulting factors for payments in the calendar years previous to this statement are tabulated below:

Calendar Year	"n" Years	Compound Amount Factor	Calendar Year	"n" Years	Compound Amount Factor
1962	57	13.05186339	1991	28	3.53223556
1963	56	12.47668807	1992	27	3.37657543
1964	55	11.92685983	1993	26	3.22777501
1965	54	11.40126167	1994	25	3.08553198
1966	53	10.89882580	1995	24	2.94955739
1967	52	10.41853150	1996	23	2.81957498
1968	51	9.95940302	1997	22	2.69532070
1969	50	9.52050762	1998	21	2.57654211
1970	49	9.10095365	1999	20	2.46299790
1971	48	8.69988878	2000	19	2.35445742
1972	47	8.31649821	2001	18	2.25070014
1973	46	7.95000307	2002	17	2.15151528
1974	45	7.59965880	2003	16	2.05670135
1975	44	7.26475366	2004	15	1.96606572
1976	43	6.94460726	2005	14	1.87942426
1977	42	6.63856922	2006	13	1.79660096
1978	41	6.34601780	2007	12	1.71742755
1979	40	6.06635867	2008	11	1.64174319
1980	39	5.79902367	2009	10	1.56939412
1981	38	5.54346972	2010	9	1.50023336
1982	37	5.29917763	2011	8	1.43412041
1983	36	5.06565111	2012	7	1.37092095
1984	35	4.84241575	2013	6	1.31050660
1985	34	4.62901802	2014	5	1.25275461
1986	33	4.42502439	2015	4	1.19754767
1987	32	4.23002045	2016	3	1.14477360
1988	31	4.04361003	2017	2	1.09432521
1989	30	3.86541442	2018	1	1.04610000
1990	29	3.69507162	2019	0	1.00000000

- 6/ Derived by adding the sum of items shown in Column (5) to the 2019 calculated component shown in Column (2).

**DEPARTMENT OF WATER RESOURCES**

1416 NINTH STREET, P.O. BOX 942836  
SACRAMENTO, CA 94236-0001  
(916) 653-5791



August 31, 2018

Mr. Bradley Coffey, Group Manager  
Water Resource Management Group  
Attn: Mr. David Reukema  
The Metropolitan Water District of Southern California  
700 North Alameda Street  
Los Angeles, California 90012-2944

Dear Mr. Coffey:

Enclosed are revisions to your 2018 Statement of Charges dated July 1, 2017. The revised Statement of Charges includes the following changes:

1. Revised Attachment 4B Transportation Minimum charges from September through December 2018 to include a line item charge for the Preconstruction Planning Costs of the California WaterFix authorized by the Agreement for the Advance or Contribution of Money to the Department of Water Resources executed on August 23, 2018.
2. Revised Attachments 1 and 1B which summarize Transportation Minimum Charges among other billing components, to reflect the aforementioned revisions.
3. Attachment 10 which summarizes the Preconstruction Planning Costs of the California WaterFix per the aforementioned agreement with the Department of Water Resources.

All other attachments to the 2018 Statement of Charges are still valid.

If you have any questions concerning these charges, please contact Rachel Corbett of the Water Project Bill Processing and Analysis Office at (916) 653-6892.

Sincerely,

A handwritten signature in blue ink that reads "Lisa Toms for".

Vinay Narjit Singh Behl, Chief  
Division of Fiscal Services

Enclosures  
Overnight Mail

cc: (See attached list)

Ms. Jaime Dalida, Resource Specialist  
The Metropolitan Water District of Southern California  
1121 L Street, Suite 900  
Sacramento, California 95814

Ms. Ingrid Sheipline, Auditor  
Richardson and Company, LLP  
550 Howe Avenue, Suite 210  
Sacramento, California 95825-8339

State of California  
California Natural Resources Agency  
DEPARTMENT OF WATER RESOURCES  
Post Office Box 942836  
Sacramento, California 94236-0001

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

CAPITAL AND MINIMUM O.M.P.&R. COMPONENT  
CHARGES FOR A WATER SUPPLY  
IN 2018

Mr. Bradley Coffey, Group Manager  
Water Resource Management Group  
The Metropolitan Water District of Southern California  
Attn: Mr. David Reukema  
700 North Alameda Street  
Los Angeles, California 90012-2944

Invoice No: 18-014-T-Revised

Date: August 31, 2018

Contract No: 160157

[in dollars]

Due on or Before	Water System Revenue Bond		Capital Cost Component C/		Minimum O.M.P.&R. Component		Total Payment Due
	Surcharge	25 Percent Bond Cover Charge	Delta Water Charge A/	Transportation Charge D/	Delta Water Charge B/	Transportation Charge	
January 1	\$ 12,049,131	\$ 9,810,536	\$ 18,622,701	\$ 23,691,874	\$ 7,450,189	\$ 10,475,582	\$ 82,100,013
February 1					7,450,189	10,475,582	\$ 17,925,771
March 1					7,450,189	10,475,582	\$ 17,925,771
April 1					7,450,189	10,475,582	\$ 17,925,771
May 1					7,450,189	10,475,582	\$ 17,925,771
June 1					7,450,189	10,475,582	\$ 17,925,771
July 1	12,049,131	9,810,536	18,622,701	23,691,873	7,450,189	10,475,582	\$ 82,100,012
August 1					7,450,188	10,475,581	\$ 17,925,769
September 1					7,450,188	33,875,581	\$ 41,325,769
October 1					7,450,188	18,275,581	\$ 25,725,769
November 1					7,450,188	18,275,581	\$ 25,725,769
December 1					7,450,188	12,975,581	\$ 20,425,769
<b>Total:</b>	<b>\$ 24,098,262</b>	<b>\$ 19,621,072</b>	<b>\$ 37,245,402</b>	<b>\$ 47,383,747</b>	<b>\$ 89,402,263</b>	<b>\$ 167,206,979</b>	<b>\$ 384,957,725</b>

**TERMS:** As provided under Article 32 (b) of the contract, interest shall accrue at the Pooled Money Investment Fund Rate per month on delinquency payment if the delinquency continues for more than 30 days

A/ 1,911,500 acre feet @ \$22.69973460

B/ 1,911,500 acre feet @ \$46.77073652

C/ Charges under the Capital Cost Component have been reduced by:

Urban Rate Reduction Credit (\$16,735,237)

Agricultural Rate Reduction Credit \$0

D/ Permanent Table A Transfer Credit (\$3,519,062)

Attachment 1

State of California  
California Natural Resources Agency  
Department of Water Resources

RECONCILIATION OF PAYMENTS DUE UNDER DEVIL CANYON-  
CASTAIC CONTRACT A/ AND WATER SUPPLY CONTRACT IN 2018  
FOR  
THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Water Supply Contract Charges	Water Supply Contract Payments if Devil Canyon-Castaic Cost Were Reimbursable Thereunder		Payments Due Under The Devil Canyon-Castaic Contract and the Water Supply Contract
WATER SYSTEM REVENUE BOND SURCHARGE		\$43,719,334	\$43,719,334
CAPITAL COST COMPONENT:			
Delta Water Charge	\$43,390,543		\$43,390,543
Less Urban Rate Reduction Credit	6,145,141	37,245,402	6,145,141 37,245,402
Transportation Charge	69,323,168		69,323,168
Less Payments made under Article 17(a) of Devil Canyon-Castaic Contract			7,830,263
Less Urban Rate Reduction Credit	10,590,096		10,590,096
Less Permanent Table A Transfer Credit	3,519,062	55,214,010	3,519,062 47,383,747
MINIMUM OMP&R COMPONENT:			
Delta Water Charge		89,402,263	89,402,263
Transportation Charge		178,193,740	178,193,740
Less Payments made under Article 17(b) of Devil Canyon-Castaic Contract			10,986,761 167,206,979
Subtotal:			\$384,957,725
<u>DEVIL CANYON-CASTAIC CONTRACT CHARGES</u>			
DEBT SERVICE			\$7,830,263
OPERATION AND MAINTENANCE			10,986,761
Subtotal:			\$18,817,024
<b>Total charges for Calendar Year 2018:</b>		<b>\$403,774,749</b>	<b>\$403,774,749</b>

A/ In compliance with Article 22.

Attachment 1B  
Revised August 31, 2018

STATE OF CALIFORNIA  
 CALIFORNIA NATURAL RESOURCES AGENCY  
 DEPARTMENT OF WATER RESOURCES  
 STATE WATER PROJECT  
 ADJUSTMENTS OF MINIMUM COST COMPONENT  
 UNDER ARTICLE 28  
 FOR THE

**THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA**

(in dollars)

Year	Calculated Components as of 01/01/2017	Payment Received	Current Overpayment (-) or Underpayment	Annual Difference Capitalized to 2018	Adjusted Calculated Component, this Statement
1968	972,734	1,711,561	(738,827)	(7,034,008)	
1969	1,295,607	1,314,941	(19,334)	(175,954)	
1970	1,624,569	2,041,108	(416,539)	(3,623,847)	
1971	2,716,584	2,845,550	(128,966)	(1,072,544)	
1972	8,038,463	7,857,023	181,440	1,442,449	
1973	9,890,316	8,934,684	955,632	7,262,476	
1974	11,581,491	7,472,377	4,109,114	29,851,703	
1975	13,584,548	12,965,036	619,512	4,302,267	
1976	12,862,489	15,656,909	(2,794,420)	(18,550,952)	
1977	16,203,699	15,445,746	757,953	4,809,984	
1978	17,811,770	12,906,948	4,904,822	29,754,409	
1979	16,414,289	27,062,599	(10,648,310)	(61,749,800)	
1980	20,926,898	21,561,704	(634,806)	(3,519,030)	
1981	23,731,024	14,924,917	8,806,107	46,865,127	
1982	27,994,510	36,966,205	(8,971,695)	(45,447,478)	
1983	38,953,367	49,334,929	(10,381,562)	(50,271,840)	
1984	45,597,671	45,517,432	80,239	371,429	
1985	50,064,444	56,783,089	(6,718,645)	(29,730,166)	
1986	52,858,915	30,809,854	22,049,061	93,267,978	
1987	50,737,631	51,359,647	(622,016)	(2,515,190)	
1988	51,262,231	50,654,835	607,396	2,347,838	
1989	52,638,942	69,131,749	(16,492,807)	(60,942,102)	
1990	61,053,824	47,212,462	13,841,362	48,890,951	
1991	60,874,529	59,177,025	1,697,504	5,731,750	
1992	67,460,598	72,160,742	(4,700,144)	(15,171,006)	
1993	68,749,547	62,491,809	6,257,738	19,308,450	
1994	63,898,029	72,700,847	(8,802,818)	(25,964,418)	
1995	68,079,888	65,023,889	3,055,999	8,616,619	
1996	72,757,439	68,296,146	4,461,293	12,024,616	
1997	75,655,465	82,662,163	(7,006,688)	(18,053,025)	
1998	80,540,695	77,734,742	2,805,953	6,911,055	
1999	86,320,578	94,936,960	(8,616,382)	(20,286,905)	
2000	82,505,333	103,431,917	(20,926,584)	(47,099,466)	
2001	92,945,584	61,532,014	31,413,570	67,586,777	
2002	85,413,719	88,214,191	(2,800,472)	(5,759,734)	
2003	82,357,577	113,391,880	(31,034,303)	(61,015,479)	
2004	99,543,042	77,477,460	22,065,582	41,470,590	
2005	74,184,438	58,088,434	16,096,004	28,918,095	
2006	76,279,683	83,620,114	(7,340,431)	(12,606,659)	
2007	105,019,512	76,223,977	28,795,535	47,274,873	
2008	113,265,122	117,915,033	(4,649,911)	(7,297,543)	
2009	99,862,470	113,674,304	(13,811,834)	(20,720,974)	
2010	97,650,826	126,045,953	(28,395,127)	(40,722,032)	
2011	105,453,545	106,471,604	(1,018,059)	(1,395,679)	
2012	118,454,615	91,298,718	27,155,897	35,587,982	
2013	132,625,159	123,679,911	8,945,248	11,206,201	
2014	147,306,939	114,718,519	32,588,420	39,026,186	
2015	131,750,858	186,857,029	(55,106,171)	(63,084,090)	
2016	132,084,834	166,286,206	(34,201,372)	(37,427,423)	
2017	165,972,016	141,023,234	24,948,782	26,098,918	
2018	178,243,949				135,735,328
			Total	(42,508,621)	
Fall 2016 SWP Water Purchase Program					958,412
Cal WaterFix Preconstruction Planning Costs					41,500,000
Net Minimum Charges:					<u>178,193,740</u>



State of California  
 California Natural Resources Agency  
 Department of Water Resources  
 State Water Project  
 Bay Delta Conservation Plan, Delta Habitat Conservation and Conveyance Program,  
 and California WaterFix Charges  
 for  
 THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

(in dollars)

Year	Charges
2008	1,606,713
2009	13,083,793
2010	15,953,554
2011	2,422,713
2012	11,258,500
2013	14,329,000
2014	-
2015	600,000
2016	(627,660)
2017	-
2018	41,500,000
Total	100,126,613

1. Charges are pursuant to the Agreement for Funding (2008-2011) and the Agreement of Supplemental Funding (2012-2013) for the Costs of Environmental Analysis, Planning and Design of Delta Conservation Measures, Including Delta Conveyance Options. BDCP-DHCCP charges are included as a line item in Attachment 4B and invoiced 1/12th per month, in Attachment 1.

2. For year 2015 a \$600,000 Delta Utility Planning charge was invoiced as agreed upon with MWDSC. The 2015 Delta Utility Planning charge was returned in year 2016 with interest.

3. 2018 charges are pursuant to the Agreement for the Advance or Contribution of Money for Preconstruction Planning Costs of the California WaterFix, a Facility of the State Water Project. The charges are included as a line item in Attachment 4B and invoiced according to the Exhibit C payment schedule of the agreement.

**DEPARTMENT OF WATER RESOURCES**

1416 NINTH STREET, P.O. BOX 942836  
SACRAMENTO, CA 94236-0001  
(916) 653-5791



November 30, 2018

Mr. Bradley Coffey, Group Manager  
Water Resource Management Group  
Attn: Mr. David Reukema  
The Metropolitan Water District of Southern California  
700 North Alameda Street  
Los Angeles, California 90012-2944

Dear Mr. Coffey:

Enclosed are revisions to your 2019 Statement of Charges dated July 1, 2018. The revised Statement of Charges includes the following changes:

1. Revised Attachment 4B Transportation Minimum charges for 2019 to include:
  - a. Previously unallocated calendar year 2017 MWQI actual costs
  - b. Reduced charges for the 2018 Flow Augmentation Program based on actual costs
2. Revised Attachment 1 and 1B which summarize Transportation Minimum Charges among other billing components.
3. Revised Attachment 3.
4. Revised Attachment 8.

All other attachments to the 2019 Statement of Charges are still valid.

If you have any questions concerning these charges, please contact Rachel Corbett of the Water Project Bill Processing and Analysis Office at (916) 653-6892.

Sincerely,

A handwritten signature in black ink, appearing to read "Vinay".

Vinay Narjit Singh Behl, Chief  
Division of Fiscal Services

Enclosures  
Overnight Mail

cc: (See attached list)

Ms. Jaime Dalida, Resource Specialist  
The Metropolitan Water District of Southern California  
1121 L Street, Suite 900  
Sacramento, California 95814

Ms. Ingrid Sheipline, Auditor  
Richardson and Company, LLP  
550 Howe Avenue, Suite 210  
Sacramento, California 95825-8339

State of California  
 California Natural Resources Agency  
 DEPARTMENT OF WATER RESOURCES  
 Post Office Box 942836  
 Sacramento, California 94236-0001

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

CAPITAL AND MINIMUM O.M.P.&R. COMPONENT  
 CHARGES FOR A WATER SUPPLY  
 IN 2019

Mr. Bradley Coffey, Group Manager  
 Water Resource Management Group  
 The Metropolitan Water District of Southern California  
 Attn: Mr. David Reukema  
 700 North Alameda Street  
 Los Angeles, California 90012-2944

Invoice No: 19-014-T-Revised

Date: December 1, 2018

Contract No: 160157

[in dollars]

Due on or Before	Water System Revenue Bond		Capital Cost Component C/		Minimum O.M.P.&R. Component		Total Payment Due
	Surcharge	25 Percent Bond Cover Charge	Delta Water Charge A/	Transportation Charge D/	Delta Water Charge B/	Transportation Charge	
January 1	\$ 17,815,467	\$ 11,423,802	\$ 20,163,962	\$ 20,970,341	\$ 7,289,485	\$ 6,384,988	\$ 84,048,045
February 1					7,289,484	6,384,988	13,674,472
March 1					7,289,484	6,384,988	13,674,472
April 1					7,289,484	6,384,988	13,674,472
May 1					7,289,484	6,384,988	13,674,472
June 1					7,289,484	6,384,988	13,674,472
July 1	17,815,467	11,423,802	20,163,961	20,970,340	7,289,484	6,384,988	84,048,042
August 1					7,289,484	6,384,987	13,674,471
September 1					7,289,484	6,384,987	13,674,471
October 1					7,289,484	6,384,987	13,674,471
November 1					7,289,484	6,384,987	13,674,471
December 1					7,289,484	6,384,987	13,674,471
<b>Total:</b>	<b>\$ 35,630,934</b>	<b>\$ 22,847,604</b>	<b>\$ 40,327,923</b>	<b>\$ 41,940,681</b>	<b>\$ 87,473,809</b>	<b>\$ 76,619,851</b>	<b>\$ 304,840,802</b>

**TERMS:** As provided under Article 32 (b) of the contract, interest shall accrue at the Pooled Money Investment Fund Rate per month on delinquency payment if the delinquency continues for more than 30 days

- A/ 1,911,500 acre feet @ \$24.31235361
- B/ 1,911,500 acre feet @ \$45.76186727
- C/ Charges under the Capital Cost Component have been reduced by:  
     Urban Rate Reduction Credit (\$18,521,654)  
     Agricultural Rate Reduction Credit \$0
- D/ Permanent Table A Transfer Credit (\$3,385,508)

State of California  
California Natural Resources Agency  
Department of Water Resources

RECONCILIATION OF PAYMENTS DUE UNDER DEVIL CANYON-  
CASTAIC CONTRACT A/ AND WATER SUPPLY CONTRACT IN 2019  
FOR  
THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Water Supply Contract Charges	Water Supply Contract Payments if Devil Canyon-Castaic Cost Were Reimbursable Thereunder	Payments Due Under The Devil Canyon-Castaic Contract and the Water Supply Contract
WATER SYSTEM REVENUE BOND SURCHARGE	\$58,478,538	\$58,478,538
CAPITAL COST COMPONENT:		
Delta Water Charge	\$46,473,064	\$46,473,064
Less Urban Rate Reduction Credit	6,145,141	40,327,923
Transportation Charge	65,536,203	65,536,203
Less Payments made under Article 17(a) of Devil Canyon-Castaic Contract		7,833,501
Less Urban Rate Reduction Credit	12,376,513	12,376,513
Less Permanent Table A Transfer Credit	3,385,508	41,940,681
MINIMUM OMP&R COMPONENT:		
Delta Water Charge	87,473,809	87,473,809
Transportation Charge	87,923,940	87,923,940
Less Payments made under Article 17(b) of Devil Canyon-Castaic Contract		11,304,089
Subtotal:		\$304,840,802
<u>DEVIL CANYON-CASTAIC CONTRACT CHARGES</u>		
DEBT SERVICE		\$7,833,501
OPERATION AND MAINTENANCE		11,304,089
Subtotal:		\$19,137,590
<b>Total charges for Calendar Year 2019:</b>	<b>\$323,978,392</b>	<b>\$323,978,392</b>

A/ In compliance with Article 22.

Attachment 1B  
Revised December 1, 2018



STATE OF CALIFORNIA  
CALIFORNIA NATURAL RESOURCES AGENCY  
DEPARTMENT OF WATER RESOURCES  
STATE WATER PROJECT  
ADJUSTMENTS OF MINIMUM COST COMPONENT  
UNDER ARTICLE 28  
FOR THE

**THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA**

(In dollars)

Year	Calculated Components as of 01/01/2018	Payment Received	Current Overpayment (-) or Underpayment	Annual Difference Capitalized to 2019	Adjusted Calculated Component, this Statement
1968	972,734	1,711,561	(738,827)	(7,358,276)	
1969	1,295,607	1,314,941	(19,334)	(184,066)	
1970	1,624,569	2,041,108	(416,539)	(3,790,907)	
1971	2,716,584	2,845,550	(128,966)	(1,121,989)	
1972	8,038,463	7,857,023	181,440	1,508,946	
1973	9,890,316	8,934,684	955,632	7,597,276	
1974	11,581,491	7,472,377	4,109,114	31,227,866	
1975	13,584,548	12,965,036	619,512	4,500,601	
1976	12,862,489	15,656,909	(2,794,420)	(19,406,151)	
1977	16,203,699	15,445,746	757,953	5,031,724	
1978	17,811,770	12,906,948	4,904,822	31,126,087	
1979	16,414,289	27,062,599	(10,648,310)	(64,596,466)	
1980	20,926,898	21,561,704	(634,806)	(3,681,257)	
1981	23,731,024	14,924,917	8,806,107	48,816,390	
1982	27,994,510	36,966,205	(8,971,695)	(47,542,607)	
1983	38,953,367	49,334,929	(10,381,562)	(52,589,372)	
1984	45,597,671	45,517,432	80,239	388,552	
1985	50,064,444	56,783,089	(6,718,645)	(31,100,727)	
1986	52,858,915	30,809,854	22,049,061	97,567,632	
1987	50,737,631	51,359,647	(622,016)	(2,631,141)	
1988	51,262,231	50,654,835	607,396	2,456,073	
1989	52,638,942	69,131,749	(16,492,807)	(63,751,533)	
1990	61,053,824	47,212,462	13,841,362	51,144,824	
1991	60,874,529	59,177,025	1,697,504	5,995,983	
1992	67,460,598	72,160,742	(4,700,144)	(15,870,390)	
1993	68,749,547	62,491,809	6,257,738	20,198,570	
1994	63,898,029	72,700,847	(8,802,818)	(27,161,378)	
1995	68,079,888	65,023,889	3,055,999	9,013,845	
1996	72,757,439	68,296,146	4,461,293	12,578,951	
1997	75,655,465	82,662,153	(7,006,688)	(18,885,270)	
1998	80,540,695	77,734,742	2,805,953	7,229,655	
1999	86,320,578	94,936,960	(8,616,382)	(21,222,132)	
2000	82,505,333	103,431,917	(20,926,584)	(49,270,751)	
2001	92,945,584	61,532,014	31,413,570	70,702,527	
2002	85,413,719	88,214,191	(2,800,472)	(6,025,257)	
2003	82,357,577	113,391,880	(31,034,303)	(63,828,293)	
2004	99,543,042	77,477,460	22,065,582	43,382,384	
2005	74,184,438	58,088,434	16,096,004	30,251,220	
2006	76,402,019	83,620,114	(7,218,095)	(12,968,036)	
2007	105,198,667	76,223,977	28,974,690	49,761,931	
2008	113,707,817	117,915,033	(4,207,216)	(6,907,169)	
2009	99,961,167	113,674,304	(13,713,137)	(21,521,316)	
2010	98,291,257	126,045,953	(27,754,696)	(41,638,521)	
2011	105,536,513	106,471,604	(935,091)	(1,341,033)	
2012	118,664,443	91,298,718	27,365,725	37,516,246	
2013	132,931,302	123,679,911	9,251,391	12,124,009	
2014	145,664,746	114,718,519	30,946,227	38,768,028	
2015	131,828,685	187,457,029	(55,628,344)	(66,617,593)	
2016	131,261,678	165,658,546	(34,396,868)	(39,376,627)	
2017	136,202,166	141,023,234	(4,821,068)	(5,275,817)	
2018	148,889,895	135,735,328	13,154,567	13,760,994	
2019	147,937,015				84,923,254
			<b>Total</b>	<b>(63,013,761)</b>	
2018 Flow Augmentation Program					3,000,686
<b>Net Minimum Charges:</b>					<b>87,923,940</b>

State of California  
 California Natural Resources Agency  
 Department of Water Resources  
 State Water Project  
 Municipal Water Quality Investigations Costs<sup>1</sup>  
 for  
 THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

(in dollars)

Year	Charges
1994	943,103
1995	1,259,042
1996	1,408,491
1997	1,325,623
1998	1,206,301
1999	785,510
2000	720,935
2001	969,130
2002	1,108,894
2003	1,161,645
2004	1,272,803
2005	538,365
2006	1,035,985
2007	1,558,195
2008	1,929,498
2009	1,286,263
2010	1,791,297
2011	1,667,959
2012	1,859,027
2013	1,484,298
2014	1,852,017
2015	1,653,529
2016	1,689,610
2017	1,022,279
2018	1,670,827
2019	1,670,827
Total	34,871,453

1. Pursuant to the Municipal Water Quality Investigations Agreements executed in 1994, 1997, 2003, 2006, 2008, 2010, 2014, and 2017 these costs are included in the annual Statements of Charges under the Transportation Minimum OMP&R component.



**DEPARTMENT OF WATER RESOURCES**

1416 NINTH STREET, P.O. BOX 942836  
SACRAMENTO, CA 94236-0001  
(916) 653-5791



May 24, 2019

Mr. Bradley Coffey, Group Manager  
Water Resource Management Group  
Attn: Mr. David Reukema  
The Metropolitan Water District  
of Southern California  
700 North Alameda Street  
Los Angeles, California 90012-2944

Dear Mr. Coffey:

Enclosed is a revision to your "O" invoice, dated June 30, 2018. This revision contains Off-Aqueduct Power facility charges for calendar year 2019. The revised amount reflects changes in allocations based upon updated projections through the remainder of the 2019 calendar year. The revised payments will be effective as of the July 1, 2019 scheduled payment.

If you have any questions or concerns regarding this revised Off-Aqueduct Statement of Charges for 2019, please contact Rachel Corbett, Chief of the Water Project Bill Processing and Analysis Office at (916) 653-6892.

Sincerely,

A handwritten signature in blue ink, appearing to read "Vinay".

Vinay Narjit Singh Behl, Chief  
Division of Fiscal Services

Enclosures

cc: (See attached list)

Ms. Jaime Dalida, Resource Specialist  
The Metropolitan Water District of Southern California  
1121 L Street, Suite 900  
Sacramento, California 95814

Ms. Ingrid Sheipline, Auditor  
Richardson and Company, LLP  
550 Howe Avenue, Suite 210  
Sacramento, California 95825-8339

State of California  
 California Natural Resources Agency  
 DEPARTMENT OF WATER RESOURCES  
 Post Office Box 942836  
 Sacramento, California 94236-0001

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

OFF-AQUEDUCT POWER FACILITIES  
 MINIMUM OMP&R COMPONENT OF THE TRANSPORTATION CHARGE  
 IN 2019

Mr. Bradley Coffey, Group Manager  
 Water Resource Management Group  
 The Metropolitan Water District of Southern California  
 Attn: Mr. David Reukema  
 700 North Alameda Street  
 Los Angeles, California 90012-2944

Invoice No: 19-013-O-REVISED  
 Date: July 1, 2019  
 Contract No: 160157

[in dollars]

Due on or Before	Debt Service	Cover	Maintenance	RG4 Separation	Amount
January 1	\$0	\$0	\$10,526	\$384,056	\$394,582
February 1	0	0	10,526	384,055	394,581
March 1	0	0	10,526	384,055	394,581
April 1	0	0	10,526	384,055	394,581
May 1	0	0	10,526	384,055	394,581
June 1	0	0	10,526	384,055	394,581
July 1	0	0	(1,126)	29,430	28,304
August 1	0	0	(1,125)	29,430	28,305
September 1	0	0	(1,125)	29,430	28,305
October 1	0	0	(1,126)	29,430	28,304
November 1	0	0	(1,126)	29,430	28,304
December 1	0	0	(1,126)	29,430	28,304
<b>Total:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$56,402</b>	<b>\$2,480,911</b>	<b>\$2,537,313</b>

**TERMS:** As provided under Article 32 (b) of the contract, interest shall accrue at the Pooled Money Investment Fund Rate per month on delinquency payment if the delinquency continues for more than 30 days.

**DEPARTMENT OF WATER RESOURCES**

1416 NINTH STREET, P.O. BOX 942836  
 SACRAMENTO, CA 94236-0001  
 (916) 653-5791



July 1, 2019

Mr. Bradley Coffey, Group Manager  
 Water Resource Management Group  
 The Metropolitan Water District of Southern California  
 Attn: Mr. David Reukema  
 700 North Alameda Street  
 Los Angeles, California 90012-2944

Dear Mr. Coffey:

This is the Statement of Charges referred to in Article 29 of your agency's contract for a water supply from the State Water Project and Articles 17 and 22 of your Devil Canyon-Castaic Contract, for payments which will be due in calendar year 2020.

Accompanying this statement are the attachments containing the supporting data used in determining the following charges:

Invoice No. 20-014-T, Attachment 1:

Water System Revenue Bond Surcharge		\$42,685,548
Capital Cost Component		
Delta Water Charge	\$63,602,181	
Less Rate Management Credit Under Monterey Amendment	<u>6,145,141</u>	57,457,040
Transportation Charge	54,143,521	
Less Rate Management Credit Under Monterey Amendment	12,309,768	
Less Permanent Table A Transfer Credit	<u>3,724,106</u>	38,109,647
Minimum Operation, Maintenance, Power and Replacement Component		
Delta Water Charge		92,381,352
Transportation Charge		<u>166,060,900</u>
Total for Invoice No. 20-014-T		<u>\$396,694,487</u>

Devil Canyon-Castaic Contract Charges, Invoice No. 20-002-DCC, Attachment 1A:

Article 17 (a)		
Debt Service		\$7,811,722
Article 17 (b)		
Operation and Maintenance		<u>11,734,891</u>
Total for Invoice No. 20-002-DCC		<u>\$19,546,613</u>

(See reconciliation of charges between contracts per Attachment 1B)

Based on scheduled deliveries from Table A, the variable OMP&R component unit rates for the Transportation Charge are calculated on Attachment 5 for pumping water deliveries from the Delta.

The estimated charges for 2020 are:

Variable Operation, Maintenance, Power and Replacement Component		
Transportation Charge		\$194,225,328

Mr. Bradley Coffey, Group Manager  
July 1, 2019  
Page 2

In accordance with Article 28, adjustments for overpayments and underpayments of prior Transportation Charges are accumulated with interest, at the project interest rate of 4.610 percent, and are applied against the payments to be made in 2020. The adjustment of the variable OMP&R component of the Transportation Charges will be applied equally each month to the actual metered water delivery billings.

The 2020 Off-Aqueduct Facility charge, Invoice No. 20-013-O, Attachment 1-1 is:

Minimum Operation, Maintenance,  
Power and Replacement Component

Off-Aqueduct Power Facilities \$4,705,508

The 2020 Replacement Account System Charge for Conservation Facilities, Invoice No. 20-014-U, Attachment 1-2 is:

Conservation Replacement Account System Charge \$0

The 2020 East Branch Enlargement Facilities Transportation Charge, Invoice No. 20-004-E,

Capital Cost Component \$28,966,912  
Minimum Operation, Maintenance, Power and Replacement Component 9,661,646

Total East Branch Enlargement Facilities \$38,628,558

The 2020 Tehachapi Second Afterbay Facilities Transportation Charge, Invoice No. 19-007-TAB,

Capital Cost Component

Tehachapi Second Afterbay Facilities \$3,711,559

Enclosed is Attachment 8 which shows the charges under the executed agreement for Municipal Water Quality Investigations (MWQI). The MWQI charges are included in the annual Statement of Charges under the Transportation Minimum OMP&R component.

The Transportation Capital charge shown on Attachment 1 and 1C (for M&I contractors) or 1D (for AG contractors) includes a credit for calendar year 2020 that resulted from permanent Table A sales. Attachment 11 summarizes the credit by the State Water Project repayment reach that your agency participates in.

The Conservation Capital charge shown on Attachment 1 and 1C (for M&I contractors) or 1D (for AG contractors) includes the non-FEMA reimbursable, water supply portion of costs for the Oroville Spillway Recovery project.

The Transportation and Conservation Capital charges include the reduction for the projected 2020 Rate Management Credit under the Monterey Agreement. Per Article 51(f) of the Water Supply Contract, the total transportation capital costs for urban contractors is updated every 5 calendar years. Starting with the 2020 Rate Management Credits, allocation to urban contractors will be based on B132-19 total transportation capital costs.

Mr. Bradley Coffey, Group Manager  
July 1, 2019  
Page 3

If you have any questions concerning these charges, please contact Rachel Corbett, Chief of the Water Project Bill Processing and Analysis Office at (916) 653-6892.

Sincerely,



Vinay Narjit Singh Behl, Chief  
Division of Fiscal Services

Enclosures  
Overnight Mail

cc: (See attached list)

Ms. Jaime Dalida, Resource Specialist  
The Metropolitan Water District of Southern California  
1121 L Street, Suite 900  
Sacramento, California 95814

Ms. Ingrid Sheipline, Auditor  
Richardson and Company, LLP  
550 Howe Avenue, Suite 210  
Sacramento, California 95825-8339

State of California  
 California Natural Resources Agency  
 DEPARTMENT OF WATER RESOURCES  
 Post Office Box 942836  
 Sacramento, California 94236-0001

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

CAPITAL AND MINIMUM O.M.P.&R. COMPONENT  
 CHARGES FOR A WATER SUPPLY  
 IN 2020

Mr. Bradley Coffey, Group Manager  
 Water Resource Management Group  
 The Metropolitan Water District of Southern California  
 Attn: Mr. David Reukema  
 700 North Alameda Street  
 Los Angeles, California 90012-2944

Invoice No: 20-014-T

Date: June 30, 2019

Contract No: 160157

[In dollars]

Due on or Before	Water System Revenue Bond		Capital Cost Component C/		Minimum O.M.P.&R. Component		Total Payment Due
	Surcharge	25 Percent Bond Cover Charge	Delta Water Charge A/	Transportation Charge D/	Delta Water Charge B/	Transportation Charge	
January 1	\$ 9,246,400	\$ 12,096,375	\$ 28,728,520	\$ 19,054,824	\$ 7,698,446	\$ 13,838,409	\$ 90,662,974
February 1					7,698,446	13,838,409	21,536,855
March 1					7,698,446	13,838,409	21,536,855
April 1					7,698,446	13,838,409	21,536,855
May 1					7,698,446	13,838,408	21,536,854
June 1					7,698,446	13,838,408	21,536,854
July 1	9,246,399	12,096,374	28,728,520	19,054,823	7,698,446	13,838,408	90,662,970
August 1					7,698,446	13,838,408	21,536,854
September 1					7,698,446	13,838,408	21,536,854
October 1					7,698,446	13,838,408	21,536,854
November 1					7,698,446	13,838,408	21,536,854
December 1					7,698,446	13,838,408	21,536,854
<b>Total:</b>	<b>\$ 18,492,799</b>	<b>\$ 24,192,749</b>	<b>\$ 57,457,040</b>	<b>\$ 38,109,647</b>	<b>\$ 92,381,352</b>	<b>\$ 166,060,900</b>	<b>\$ 396,694,487</b>

**TERMS:** As provided under Article 32 (b) of the contract, interest shall accrue at the Pooled Money Investment Fund Rate per month on delinquency payment if the delinquency continues for more than 30 days

- A/ 1,911,500 acre feet @ \$33.27344021
- B/ 1,911,500 acre feet @ \$48.32924523
- C/ Charges under the Capital Cost Component have been reduced by:
  - Urban Rate Reduction Credit (\$18,454,909)
  - Agricultural Rate Reduction Credit \$0
- D/ Permanent Table A Transfer Credit (\$3,724,106)



State of California  
 California Natural Resources Agency  
 DEPARTMENT OF WATER RESOURCES  
 Post Office Box 942836  
 Sacramento, California 94236-0001

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

CHARGES UNDER THE  
 DEVIL CANYON-CASTAIC CONTRACT  
 IN 2020

Mr. Bradley Coffey, Group Manager  
 Water Resource Management Group  
 The Metropolitan Water District of Southern California  
 Attn: Mr. David Reukema  
 700 North Alameda Street  
 Los Angeles, California 90012-2944

Invoice No: 20-002-DCC

Date: June 30, 2019

Contract Number: 160157

[In dollars]

Due on or Before	Debt Service on Bonds A/	O.M.P.&R. Component B/		Total Payment Due
		Devil Canyon Facilities	Castaic Facilities	
January 1	\$ 3,905,861	\$ 546,206	\$ 431,702	\$ 4,883,769
February 1		546,206	431,702	977,908
March 1		546,206	431,702	977,908
April 1		546,206	431,702	977,908
May 1		546,206	431,702	977,908
June 1		546,206	431,702	977,908
July 1	3,905,861	546,206	431,702	4,883,769
August 1		546,206	431,702	977,908
September 1		546,206	431,702	977,908
October 1		546,206	431,701	977,907
November 1		546,205	431,701	977,906
December 1		546,205	431,701	977,906
<b>Total:</b>	<b>\$ 7,811,722</b>	<b>\$ 6,554,470</b>	<b>\$ 5,180,421</b>	<b>\$ 19,546,613</b>

**TERMS:** As provided under Article 32 (b) of the contract, interest shall accrue at the Pooled Money Investment Fund Rate per month on delinquency payment if the delinquency continues for more than 30 days.

A/ Article 17(a)

B/ Article 17(b)

State of California  
California Natural Resources Agency  
Department of Water Resources

RECONCILIATION OF PAYMENTS DUE UNDER DEVIL CANYON-  
CASTAIC CONTRACT A/ AND WATER SUPPLY CONTRACT IN 2020  
FOR  
THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Water Supply Contract Charges	Water Supply Contract Payments if Devil Canyon-Castaic Cost Were Reimbursable Thereunder	Payments Due Under The Devil Canyon-Castaic Contract and the Water Water Supply Contract
WATER SYSTEM REVENUE BOND SURCHARGE	\$42,685,548	\$42,685,548
CAPITAL COST COMPONENT:		
Delta Water Charge	\$63,602,181	\$63,602,181
Less Urban Rate Reduction Credit	6,145,141	6,145,141
	57,457,040	57,457,040
Transportation Charge	61,955,243	61,955,243
Less Payments made under Article 17(a) of Devil Canyon-Castaic Contract		7,811,722
Less Urban Rate Reduction Credit	12,309,768	12,309,768
Less Permanent Table A Transfer Credit	3,724,106	3,724,106
	45,921,369	38,109,647
MINIMUM OMP&R COMPONENT:		
Delta Water Charge	92,381,352	92,381,352
Transportation Charge	177,795,791	177,795,791
Less Payments made under Article 17(b) of Devil Canyon-Castaic Contract		11,734,891
		166,060,900
Subtotal:		\$396,694,487
<u>DEVIL CANYON-CASTAIC CONTRACT CHARGES</u>		
DEBT SERVICE		\$7,811,722
OPERATION AND MAINTENANCE		11,734,891
Subtotal:		\$19,546,613
<b>Total charges for Calendar Year 2020:</b>	<b>\$416,241,100</b>	<b>\$416,241,100</b>

A/ In compliance with Article 22.

Attachment 1B  
June 30, 2019

State of California  
 California Natural Resources Agency  
 Department of Water Resources  
 State Water Project

Adjustment of Capital Cost Component  
 Under Article 41, 51 and 53 of the Water Supply Contract

**THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA**

IN 2020

<u>Capital Cost Component</u> (1)	<u>Water Supply Contract Charges A/</u> (2)	<u>Urban Rate Reduction Credit B/</u> (3)	<u>Permanent Table A Transfer Credit C/</u> (4)	<u>Adjusted Charges</u> (5)
Delta Water Charge	\$63,602,181	(\$6,145,141)	\$0	\$57,457,040
Transportation Charge	54,143,521	(12,309,768)	(3,724,106)	38,109,647
Total	<u>\$117,745,702</u>	<u>(\$18,454,909)</u>	<u>(\$3,724,106)</u>	<u>\$95,566,687</u>

- A/ The charges in column 2 are the payments to be credited for purposes of calculating future charges under the Water Supply Contract.
- B/ The Urban Rate Reduction credit will be redetermined each year and does not affect the calculation of future charges under the Water Supply Contract.
- C/ The Permanent Table A Transfer Credit will be redetermined each year and does not affect the calculation of future charges under the Water Supply Contract.

State of California  
 California Natural Resources Agency  
 DEPARTMENT OF WATER RESOURCES  
 Post Office Box 942836  
 Sacramento, California 94236-0001

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

OFF-AQUEDUCT POWER FACILITIES  
 MINIMUM OMP&R COMPONENT OF THE TRANSPORTATION CHARGE  
 IN 2020

Mr. Bradley Coffey, Group Manager  
 Water Resource Management Group  
 The Metropolitan Water District of Southern California  
 Attn: Mr. David Reukema  
 700 North Alameda Street  
 Los Angeles, California 90012-2944

Invoice No: 20-013-O  
 Date: June 30, 2019  
 Contract No: 160157

[in dollars]

Due on or Before	Debt Service	Cover	Maintenance	RG4 Separation	Amount
January 1	\$0	\$0	\$8,165	\$383,962	\$392,127
February 1	0	0	8,164	383,962	392,126
March 1	0	0	8,164	383,962	392,126
April 1	0	0	8,164	383,962	392,126
May 1	0	0	8,164	383,962	392,126
June 1	0	0	8,164	383,962	392,126
July 1	0	0	8,164	383,962	392,126
August 1	0	0	8,164	383,961	392,125
September 1	0	0	8,164	383,961	392,125
October 1	0	0	8,164	383,961	392,125
November 1	0	0	8,164	383,961	392,125
December 1	0	0	8,164	383,961	392,125
<b>Total:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$97,969</b>	<b>\$4,607,539</b>	<b>\$4,705,508</b>

TERMS: As provided under Article 32 (b) of the contract, interest shall accrue at the Pooled Money Investment Fund Rate per month on delinquency payment if the delinquency continues for more than 30 days.

State of California  
California Natural Resources Agency  
DEPARTMENT OF WATER RESOURCES  
Post Office Box 942836  
Sacramento, California 94236-0001

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

CONSERVATION REPLACEMENT ACCOUNT SYSTEM CHARGE

IN 2020

Mr. Bradley Coffey, Group Manager  
Water Resource Management Group  
The Metropolitan Water District of Southern California  
Attn: Mr. David Reukema  
700 North Alameda Street  
Los Angeles, California 90012-2944

Invoice No: 20-014-U

Date: June 30, 2019

Contract No: 160157

[in dollars]

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<u>Due on or Before</u>	<u>Amount Due</u>
January 1	\$0
February 1	0
March 1	0
April 1	0
May 1	0
June 1	0
July 1	0
August 1	0
September 1	0
October 1	0
November 1	0
December 1	0
Total:	<u>\$0</u>

TERMS: As provided under Article 32 (b) of the contract, interest shall accrue at the Pooled Money Investment Fund Rate per month on delinquency payment if the delinquency continues for more than 30 days.

State of California  
 California Natural Resources Agency  
 DEPARTMENT OF WATER RESOURCES  
 Post Office Box 942836  
 Sacramento, California 94236-0001

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

EAST BRANCH ENLARGEMENT FACILITIES  
 CAPITAL AND MINIMUM OMP&R COMPONENT OF THE TRANSPORTATION CHARGE  
 IN 2020

Mr. Bradley Coffey, Group Manager  
 Water Resource Management Group  
 The Metropolitan Water District of Southern California  
 Attn: Mr. David Reukema  
 700 North Alameda Street  
 Los Angeles, California 90012-2944

Invoice No: 20-004-E

Date: June 30, 2019

Contract No: 160157

[in dollars]

Due on or Before	Capital Cost Component			Minimum OMP&R Component	Total Payment Due
	Bond Principal and Interest Charge	25 Percentage Bond Cover Charge	Devil Canyon Second Afterbay Debt Service Charge		
January 1				\$ 805,138	\$ 805,138
February 1				805,138	805,138
March 1	\$ 2,795,922	\$ 2,920,293	\$ 478,543	805,137	6,999,895
April 1				805,137	805,137
May 1				805,137	805,137
June 1				805,137	805,137
July 1				805,137	805,137
August 1				805,137	805,137
September 1	17,298,389	2,920,292	2,553,473	805,137	23,577,291
October 1				805,137	805,137
November 1				805,137	805,137
December 1				805,137	805,137
<b>Total:</b>	<b>\$ 20,094,311</b>	<b>\$ 5,840,585</b>	<b>\$ 3,032,016</b>	<b>\$ 9,661,646</b>	<b>\$ 38,628,558</b>

TERMS: As provided under Article 32 (b) of the contract, interest shall accrue at the Pooled Money Investment Fund Rate per month on delinquency payment if the delinquency continues for more than 30 days.

State of California  
 California Natural Resources Agency  
 DEPARTMENT OF WATER RESOURCES  
 Post Office Box 942836  
 Sacramento, California 94236-0001

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

TEHACHAPI SECOND AFTERBAY FACILITIES  
 CAPITAL COMPONENT OF THE TRANSPORTATION CHARGE  
 IN 2020

Mr. Bradley Coffey, Group Manager  
 Water Resource Management Group  
 The Metropolitan Water District of Southern California  
 Attn: Mr. David Reukema  
 700 North Alameda Street  
 Los Angeles, California 90012-2944

Invoice No: 19-007-TAB

Date: June 30, 2019

Contract No: 160157

[in dollars]

Due on or Before	Capital Cost Component		Total Payment Due
	Tehachapi Second Afterbay Debt Service Charge	25 Percentage Bond Cover Charge	
January 1			
February 1			
March 1	\$ 1,367,882	\$ 487,897	\$ 1,855,779
April 1			
May 1			
June 1			
July 1			
August 1			
September 1	1,367,882	487,898	1,855,780
October 1			
November 1			
December 1			
<b>Total:</b>	<b>\$ 2,735,764</b>	<b>\$ 975,795</b>	<b>\$ 3,711,559</b>

**TERMS:** As provided under Article 32 (b) of the contract, interest shall accrue at the Pooled Money Investment Fund Rate per month on delinquency payment if the delinquency continues for more than 30 days





STATE OF CALIFORNIA  
 CALIFORNIA NATURAL RESOURCES AGENCY  
 DEPARTMENT OF WATER RESOURCES  
 STATE WATER PROJECT  
 ADJUSTMENTS OF CAPITAL COST COMPONENT  
 UNDER ARTICLE 28

FOR THE

**THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA**

(In dollars)

Year	Calculated Components as of 01/01/2019	Payment Received	Current Overpayment (-) or Underpayment	Annual Difference Capitalized to 2020	Adjusted Calculated Component, this Statement
(1)	(2)	(3)	(4)	(5)	(6)
1963	690,812	1,341,244	(650,432)	(8,489,345)	
1964	1,260,513	1,305,950	(45,437)	(566,903)	
1965	2,180,589	701,706	1,478,883	17,638,428	
1966	3,900,172	4,340,884	(440,712)	(5,024,675)	
1967	7,693,703	5,655,301	2,038,402	22,216,190	
1968	14,345,147	14,116,546	228,601	2,381,688	
1969	21,857,456	22,407,937	(550,481)	(5,482,458)	
1970	28,992,595	30,498,028	(1,505,433)	(14,332,483)	
1971	37,242,413	29,828,838	7,413,575	67,470,601	
1972	44,062,125	42,837,315	1,224,810	10,655,709	
1973	46,299,581	51,669,401	(5,369,820)	(44,658,101)	
1974	48,322,678	53,551,716	(5,229,038)	(41,570,866)	
1975	49,285,084	50,188,747	(903,663)	(6,867,530)	
1976	50,137,295	50,307,059	(169,764)	(1,233,296)	
1977	50,827,166	50,661,074	166,092	1,153,444	
1978	51,426,581	51,529,164	(102,583)	(681,007)	
1979	52,230,344	52,345,224	(114,880)	(729,029)	
1980	53,637,412	53,914,935	(277,523)	(1,683,553)	
1981	56,667,437	75,249,805	(18,582,368)	(107,759,590)	
1982	57,465,063	38,187,869	19,277,194	106,862,541	
1983	59,037,472	60,817,092	(1,779,620)	(9,430,521)	
1984	60,313,580	83,435,446	(23,121,866)	(117,127,308)	
1985	61,144,629	63,296,684	(2,152,055)	(10,421,145)	
1986	61,666,346	61,886,291	(219,945)	(1,018,130)	
1987	62,094,710	63,080,185	(985,475)	(4,360,752)	
1988	62,452,912	64,163,379	(1,710,467)	(7,235,309)	
1989	62,796,236	65,087,315	(2,291,079)	(9,264,228)	
1990	63,762,459	65,283,556	(1,521,097)	(5,879,870)	
1991	64,677,355	66,131,997	(1,454,642)	(5,375,007)	
1992	65,776,353	66,758,567	(982,214)	(3,469,413)	
1993	66,905,041	64,717,201	2,187,840	7,387,407	
1994	68,486,622	66,951,956	2,534,666	8,181,333	
1995	69,373,540	67,571,491	1,802,049	5,560,281	
1996	70,251,056	67,559,395	2,691,661	7,939,208	
1997	71,530,953	69,403,422	2,127,531	5,998,734	
1998	72,283,436	70,876,436	1,407,000	3,792,317	
1999	72,917,423	71,998,795	918,628	2,366,884	
2000	73,432,162	71,926,676	1,505,486	3,708,009	
2001	73,741,965	72,688,988	1,052,977	2,479,190	
2002	73,915,736	72,995,199	920,537	2,071,853	
2003	74,256,539	72,085,522	2,171,017	4,670,976	
2004	74,601,782	72,235,512	2,366,270	4,866,711	
2005	68,499,909	66,713,059	1,786,850	3,513,064	
2006	68,876,841	64,971,648	3,905,193	7,339,515	
2007	69,605,880	65,385,113	4,220,767	7,583,034	
2008	70,216,830	67,418,461	2,798,369	4,805,996	
2009	70,888,202	67,434,698	3,453,504	5,669,767	
2010	72,113,606	68,406,585	3,707,021	5,817,777	
2011	73,157,328	68,792,145	4,365,183	6,548,794	
2012	73,889,550	69,968,885	3,920,665	5,622,706	
2013	74,246,181	70,871,374	3,374,807	4,625,594	
2014	75,382,413	70,950,680	4,431,733	5,807,816	
2015	75,925,119	71,775,331	4,149,788	5,198,666	
2016	76,766,861	73,439,088	3,327,773	3,985,167	
2017	77,000,665	72,792,315	4,208,350	4,817,608	
2018	72,878,178	69,323,168	3,555,010	3,890,337	
2019	68,337,787	65,536,203	2,801,584	2,930,736	
2020	65,995,221				
			<b>TOTAL</b>	<b>(47,101,238)</b>	<b>18,893,983</b>

STATE OF CALIFORNIA  
 CALIFORNIA NATURAL RESOURCES AGENCY  
 DEPARTMENT OF WATER RESOURCES  
 STATE WATER PROJECT  
 ADJUSTMENTS OF MINIMUM COST COMPONENT  
 UNDER ARTICLE 28  
 FOR THE

**THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA**

(In dollars)

Year	Calculated Components as of 01/01/2019	Payment Received	Current Overpayment (-) or Underpayment	Annual Difference Capitalized to 2020	Adjusted Calculated Component, this Statement
1968	972,734	1,711,561	(738,827)	(7,697,493)	
1969	1,295,607	1,314,941	(19,334)	(192,551)	
1970	1,624,569	2,041,108	(416,539)	(3,965,667)	
1971	2,716,584	2,845,550	(128,966)	(1,173,712)	
1972	8,038,463	7,857,023	181,440	1,578,508	
1973	9,890,316	8,934,684	955,632	7,947,510	
1974	11,581,491	7,472,377	4,109,114	32,667,471	
1975	13,584,548	12,965,036	619,512	4,708,079	
1976	12,862,489	15,656,909	(2,794,420)	(20,300,775)	
1977	16,203,699	15,445,746	757,953	5,263,687	
1978	17,811,770	12,906,948	4,904,822	32,561,000	
1979	16,414,289	27,062,599	(10,648,310)	(67,574,363)	
1980	20,926,898	21,561,704	(634,806)	(3,850,963)	
1981	23,731,024	14,924,917	8,806,107	51,066,825	
1982	27,994,510	36,966,205	(8,971,695)	(49,734,321)	
1983	38,953,367	49,334,929	(10,381,562)	(55,013,742)	
1984	45,597,671	45,517,432	80,239	406,464	
1985	50,064,444	56,783,089	(6,718,645)	(32,534,471)	
1986	52,858,915	30,809,854	22,049,061	102,065,500	
1987	50,737,631	51,359,647	(622,016)	(2,752,436)	
1988	51,282,231	50,654,835	607,396	2,569,298	
1989	52,638,942	69,131,749	(16,492,807)	(66,690,479)	
1990	61,053,824	47,212,462	13,841,362	53,502,601	
1991	60,874,529	59,177,025	1,697,504	6,272,398	
1992	67,460,598	72,160,742	(4,700,144)	(16,602,015)	
1993	68,749,547	62,491,809	6,257,738	21,129,724	
1994	63,898,029	72,700,847	(8,802,818)	(28,413,517)	
1995	68,079,888	65,023,889	3,055,999	9,429,384	
1996	72,757,439	68,296,146	4,461,293	13,158,841	
1997	75,655,465	82,662,153	(7,006,688)	(19,755,881)	
1998	80,540,695	77,734,742	2,805,953	7,562,942	
1999	86,320,578	94,936,960	(8,616,382)	(22,200,472)	
2000	82,505,333	103,431,917	(20,926,584)	(51,542,133)	
2001	92,945,584	61,532,014	31,413,570	73,961,914	
2002	85,413,719	88,214,191	(2,800,472)	(6,303,022)	
2003	82,357,577	113,391,880	(31,034,303)	(66,770,777)	
2004	99,543,042	77,477,460	22,065,582	45,382,312	
2005	74,184,438	58,088,434	16,096,004	31,645,801	
2006	76,415,491	83,620,114	(7,204,623)	(13,540,542)	
2007	105,213,069	76,223,977	28,989,092	52,081,831	
2008	113,726,782	117,915,033	(4,188,251)	(7,193,017)	
2009	99,958,381	113,674,304	(13,715,923)	(22,518,024)	
2010	98,290,086	126,045,953	(27,755,867)	(43,559,894)	
2011	105,527,704	106,471,604	(943,900)	(1,416,070)	
2012	118,316,284	91,298,718	27,017,566	38,746,443	
2013	132,919,529	123,679,911	9,239,618	12,666,786	
2014	145,793,432	114,718,519	31,074,913	40,723,879	
2015	131,705,660	187,457,029	(55,751,369)	(69,842,784)	
2016	131,621,254	165,658,546	(34,037,292)	(40,761,280)	
2017	134,596,517	141,023,234	(6,426,717)	(7,357,136)	
2018	140,464,511	135,735,328	4,729,183	5,175,264	
2019	169,206,661	84,923,254	84,283,407	88,168,869	
2020	168,609,997				
			Total	11,185,794	177,795,791
Net Minimum Charges:					177,795,791

STATE OF CALIFORNIA  
 CALIFORNIA NATURAL RESOURCES AGENCY  
 DEPARTMENT OF WATER RESOURCES  
 STATE WATER PROJECT  
 ADJUSTMENTS OF VARIABLE COST COMPONENT  
 UNDER ARTICLE 28

FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

(in dollars)

Year	Annual Quantities Delivered or Requested	Calculated Components as of 01/01/2019	Payments Received	Current Overpayment (-) or Underpayment	Annual Difference Capitalized to 2020	Adjusted Calculated Component, this Statement
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1972	71,938	848,011	738,659	109,352	951,354	
1973	159,883	1,083,328	1,280,232	(196,904)	(1,637,551)	
1974	277,717	1,872,297	1,753,039	119,258	948,100	
1975	526,491	3,887,152	4,163,244	(276,092)	(2,098,204)	
1976	618,451	5,485,263	4,952,315	532,948	3,871,738	
1977	189,755	(796,686)	(231,716)	(564,970)	(3,923,496)	
1978	507,565	3,696,428	7,850,079	(4,153,651)	(27,574,299)	
1979	477,074	4,021,960	(3,971,767)	7,993,727	50,728,336	
1980	531,727	5,362,245	8,770,811	(3,408,566)	(20,677,581)	
1981	795,846	10,862,932	8,679,376	2,183,556	12,662,494	
1982	691,192	7,685,168	9,181,112	(1,495,944)	(8,292,722)	
1983	343,521	(8,994,497)	(5,993,116)	(3,001,381)	(15,904,853)	
1984	457,582	(7,633,741)	(7,893,940)	260,199	1,318,078	
1985	683,625	(15,739,366)	(6,788,098)	(8,951,268)	(43,345,762)	
1986	708,840	1,135,478	6,687,441	(5,551,963)	(25,700,137)	
1987	712,424	(3,007,097)	7,935,849	(10,942,946)	(48,422,805)	
1988	902,564	(3,407,929)	(8,903,510)	5,495,581	23,246,420	
1989	1,156,698	9,488,536	(5,351,958)	14,840,494	60,009,169	
1990	1,396,423	30,759,725	24,090,472	6,669,253	25,779,428	
1991	391,447	184,870	20,546,087	(20,361,217)	(75,236,154)	
1992	710,313	(9,471,028)	(14,638,492)	5,167,464	18,252,701	
1993	652,190	(21,473,875)	(45,542,508)	24,068,633	81,269,554	
1994	807,866	4,059,683	10,248,885	(6,189,202)	(19,977,350)	
1995	436,042	(4,895,977)	(8,047,784)	3,151,807	9,725,001	
1996	593,380	1,859,275	8,093,981	(6,234,706)	(18,389,623)	
1997	721,810	2,428,729	(1,594,566)	4,023,295	11,343,981	
1998	410,065	(14,593,773)	(8,107,455)	(6,486,318)	(17,482,706)	
1999	852,617	(9,194,693)	(8,535,154)	(659,539)	(1,699,330)	
2000	1,522,412	(14,982,560)	39,588,478	(54,571,038)	(134,408,352)	
2001	970,869	157,946,899	94,286,088	63,660,811	149,886,668	
2002	1,408,919	59,841,457	68,188,773	(8,347,316)	(18,787,305)	
2003	1,649,639	94,319,451	83,653,491	10,665,960	22,947,975	
2004	1,582,735	107,156,248	92,165,160	14,991,088	30,832,191	
2005	1,528,045	113,938,011	112,260,560	1,677,451	3,297,979	
2006	1,512,186	82,428,619	115,993,559	(33,564,940)	(63,082,763)	
2007	1,350,477	137,719,208	174,432,589	(36,713,381)	(65,959,295)	
2008	719,069	83,654,697	68,579,752	15,074,945	25,890,126	
2009	787,605	60,876,508	72,182,125	(11,305,617)	(18,560,920)	
2010	1,150,524	89,820,153	82,902,324	6,917,829	10,856,800	
2011	1,540,663	131,808,061	110,349,261	21,458,800	32,193,208	
2012	1,214,897	103,452,714	131,264,463	(27,811,749)	(39,885,397)	
2013	789,290	109,125,408	86,127,802	22,997,606	31,527,900	
2014	282,130	70,466,740	44,278,183	26,188,557	34,320,277	
2015	441,816	111,640,673	101,555,175	10,085,498	12,634,654	
2016	1,018,252	166,776,322	167,676,086	(899,764)	(1,077,510)	
2017	1,543,252	216,637,530	189,750,556	26,886,974	30,779,498	
2018	663,033	111,115,676	96,499,986	14,615,690	15,994,318	
2019	1,316,711	184,431,468	205,932,141	(21,500,673)	(22,491,859)	
2020	1,146,900	184,583,148				191,235,122
				TOTAL	6,651,974	

State of California  
California Natural Resources Agency  
DEPARTMENT OF WATER RESOURCES

AMORTIZATION OF CAPITAL COST COMPONENT ADJUSTMENT  
FOR PRIOR TRANSPORTATION CHARGES

UNDER AMENDMENT OF WATER CONTRACT  
FOR THE

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

IN 2020

	Transportation Charges		
Transportation Components	Calculated 1/1/2019	Under "One-Shot" Adjustment	Amortization of "One-Shot" Adjustment (Column 2 minus Column 1)
	(1)	(2)	(3)
Capital Cost Component	65,995,221	18,893,983	(47,101,238)
Capital Cost Component difference to be amortized			(47,101,238)
Divided by remaining water deliveries 1/			22,285,768 *
Unit rate for amortizing difference 2/			(2.113512)
Unit rate applied to 2020 deliveries of		1,911,500 acre feet	(4,039,978)
Plus calculated 2020 Capital Cost Component			65,995,221
Adjusted Capital Cost Component			61,955,243

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1/ Reduced to present worth at 4.610%

2/ Per acre-foot of remaining deliveries.

\* Acre-feet

STATE OF CALIFORNIA  
 CALIFORNIA NATURAL RESOURCES AGENCY  
 DEPARTMENT OF WATER RESOURCES  
 STATE WATER PROJECT  
 ADJUSTMENTS OF CAPITAL COST COMPONENT  
 OF EAST BRANCH ENLARGEMENT TRANSPORTATION CHARGES  
 AT THE SURPLUS MONEY INVESTMENT FUND RATE  
 FOR THE

**METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA**

[In dollars]

Calendar Year	Calculated Component as of 01/01/2019	Payments Received	Current Overpayment (-) or Underpayment	Annual Difference Capitalized to 2020	Adjusted Component, this Statement
	[1]	[2]	[3]	[4]	[5]
1988	8,552,529	8,556,172	(3,643)	(11,367)	
1989	8,978,504	8,991,417	(12,913)	(37,258)	
1990	8,983,597	9,020,145	(36,548)	(96,861)	
1991	8,983,717	9,009,739	(26,022)	(63,603)	
1992	17,989,315	18,053,820	(64,505)	(147,049)	
1993	18,742,682	18,754,578	(11,896)	(25,770)	
1994	18,591,099	18,705,728	(114,629)	(237,627)	
1995	18,556,603	16,729,731	1,826,872	3,615,155	
1996	18,647,406	20,262,394	(1,614,988)	(3,019,352)	
1997	19,545,322	19,141,671	403,651	714,578	
1998	19,966,108	19,092,267	873,841	1,464,331	
1999	20,947,475	20,301,335	646,140	1,025,227	
2000	22,957,586	17,085,146	5,872,440	8,853,917	
2001	22,965,748	31,847,016	(8,881,268)	(12,585,268)	
2002	22,425,318	22,276,589	148,729	200,978	
2003	19,087,337	22,768,985	(3,681,648)	(4,846,163)	
2004	20,695,237	19,038,306	1,656,931	2,143,933	
2005	15,518,826	17,204,043	(1,685,217)	(2,145,306)	
2006	21,996,926	17,589,839	4,407,087	5,446,511	
2007	21,205,488	20,041,387	1,164,101	1,374,759	
2008	19,895,328	21,870,151	(1,974,823)	(2,217,965)	
2009	20,447,424	20,084,800	362,624	394,849	
2010	20,995,084	20,584,992	410,092	441,131	
2011	20,222,785	21,198,361	(975,576)	(1,044,015)	
2012	20,463,459	21,513,121	(1,049,662)	(1,118,425)	
2013	17,634,660	16,714,447	920,213	977,076	
2014	18,722,067	18,442,404	279,663	296,191	
2015	20,902,785	20,213,303	689,482	728,530	
2016	20,847,856	20,986,750	(138,894)	(146,315)	
2017	21,459,047	21,571,776	(112,729)	(118,081)	
2018	20,375,245	20,963,455	(588,210)	(610,203)	
2019	29,698,069	29,156,840	541,229	552,530	
2020	29,207,844 *				28,966,912
				(240,932)	

\* Included in the 2020 calculated component is \$5,840,585 for East Branch Enlargement Bond Cover and \$3,032,016 for Devil Canyon Second Afterbay Debt Service.

STATE OF CALIFORNIA  
 CALIFORNIA NATURAL RESOURCES AGENCY  
 DEPARTMENT OF WATER RESOURCES  
 STATE WATER PROJECT  
 ADJUSTMENTS OF MINIMUM OMP&R COST COMPONENT  
 OF EAST BRANCH ENLARGEMENT TRANSPORTATION CHARGES  
 AT THE SURPLUS MONEY INVESTMENT FUND RATE  
 FOR THE

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

[In dollars]

Calendar Year	Calculated Component as of 01/01/2019	Payments Received	Current Overpayment (-) or Underpayment	Annual Difference Capitalized to 2020	Adjusted Component, this Statement
	[1]	[2]	[3]	[4]	[5]
1991	0	86,529	(86,529)	(211,495)	
1992	0	339,060	(339,060)	(772,942)	
1993	0	(68,950)	68,950	149,363	
1994	2,174,776	(213,745)	2,388,521	4,951,434	
1995	1,895,643	2,839,696	(944,053)	(1,868,165)	
1996	1,990,213	2,810,767	(820,554)	(1,534,093)	
1997	2,642,077	1,296,887	1,345,190	2,381,371	
1998	2,915,152	1,850,818	1,064,334	1,783,548	
1999	1,599,082	3,847,978	(2,248,896)	(3,568,314)	
2000	2,763,211	2,949,526	(186,315)	(280,909)	
2001	2,122,384	13,032,437	(10,910,053)	(15,460,172)	
2002	2,713,180	(5,934,164)	8,647,344	11,685,184	
2003	3,160,993	1,352,030	1,808,963	2,381,143	
2004	3,410,984	3,040,705	370,279	479,111	
2005	3,162,111	2,605,075	557,036	709,115	
2006	3,345,278	4,317,052	(971,775)	(1,200,970)	
2007	4,394,684	4,321,833	72,851	86,034	
2008	4,670,264	3,665,831	1,004,433	1,128,100	
2009	4,885,392	7,003,623	(2,118,231)	(2,306,468)	
2010	4,502,540	4,362,778	139,762	150,340	
2011	4,662,122	8,607,829	(3,945,707)	(4,222,510)	
2012	4,397,485	6,041,609	(1,644,124)	(1,751,830)	
2013	4,993,212	5,698,589	(705,377)	(748,965)	
2014	6,024,297	4,290,132	1,734,165	1,836,651	
2015	7,147,692	2,139,332	5,008,360	5,292,001	
2016	7,244,184	5,427,771	1,816,413	1,913,461	
2017	6,855,292	8,704,128	(1,848,836)	(1,936,607)	
2018	7,424,268	6,055,189	1,369,079	1,420,269	
2019	9,324,431	8,870,721	453,710	463,183	
2020	8,714,778	0	0	0	9,661,646
				946,868	

State of California  
California Natural Resources Agency  
DEPARTMENT OF WATER RESOURCES

State Water Resources Development System

ESTIMATED VARIABLE O.M.P.R. COMPONENT  
CHARGES FOR WATER DELIVERIES DURING

Calendar Year 2020  
For

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

<u>WATER DELIVERIES</u>	<u>VARIABLE O.M.P.&amp;R. COMPONENT TRANSPORTATION CHARGE</u>		
<u>DESCRIPTION</u> (1)	<u>ACRE-FEET</u> (2)	<u>UNIT CHARGE 1/</u> (3)	<u>AMOUNT</u> (4)
Reach 10A	60,000	22.4919585	1,349,518
Reach 12E	30,000	22.4919585	674,759
Reach 14C	0	0.0000000	0
Reach 19	10,000	184.4957654	1,844,958
East Branch			
Reach 26A, 28H and 28J	563,902	168.8383776	95,208,299
VEBX-R1	0	0.0000000	0
West Branch			
Reach 30	482,998	177.0309915	85,505,614
		Sub total	184,583,148
Net adjustment per redetermination of pre-2020 charges 2/			6,651,974
Estimated Year 2020 Replacement Accounting System (RAS) Charges 2/			2,512,137
Prior years RAS over and under adjustments 2/			478,069
Total Estimated 2020 Charges			<u>194,225,328</u>

1/ Derived by dividing column (4) by column (2).

2/ Will be applied 1/12 monthly to the actual 2020 water delivery billings.

**East Branch Enlargement Facilities  
Transportation Charge for  
The Metropolitan Water District of Southern California  
(in dollars)**

Year	Capital Component	Minimum OMP&R Component	Total East Branch Enlargement Transportation Charge
	[1]	[2]	[3]
1986	0	0	0
1987	0	0	0
1988	8,556,172	0	8,556,172
1989	8,991,417	0	8,991,417
1990	9,020,145	0	9,020,145
1991	9,009,739	86,529	9,096,268
1992	18,053,820	339,060	18,392,880
1993	18,754,578	(68,950)	18,685,628
1994	18,705,728	(213,745)	18,491,983
1995	16,729,731	2,839,696	19,569,427
1996	20,262,394	2,810,767	23,073,161
1997	19,141,671	1,296,887	20,438,558
1998	19,092,267	1,850,818	20,943,085
1999	20,301,335	3,847,978	24,149,313
2000	17,085,146	2,949,526	20,034,672
2001	31,847,016	13,032,437	44,879,453
2002	22,276,589	(5,934,164)	16,342,425
2003	22,768,985	1,352,030	24,121,015
2004	19,038,306	3,040,705	22,079,011
2005	17,204,043	2,605,075	19,809,118
2006	17,589,839	4,317,052	21,906,891
2007	20,041,387	4,321,833	24,363,220
2008	21,870,151	3,665,831	25,535,982
2009	20,084,800	7,003,623	27,088,423
2010	20,584,992	4,362,778	24,947,770
2011	21,198,361	8,607,829	29,806,190
2012	21,513,121	6,041,609	27,554,730
2013	16,714,447	5,698,589	22,413,036
2014	18,442,404	4,290,132	22,732,536
2015	20,213,303	2,139,332	22,352,635
2016	20,986,750	5,427,771	26,414,521
2017	21,571,776	8,704,128	30,275,904
2018	20,963,455	6,055,189	27,018,644
2019	29,156,840	8,870,721	38,027,561
2020	28,966,912	9,661,646	38,628,558
2021	29,846,788	9,259,911	39,106,699
2022	28,697,919	9,259,911	37,957,830
2023	23,610,509	9,259,911	32,870,420
2024	24,798,985	9,259,911	34,058,896
2025	28,286,853	9,259,911	37,546,764
2026	10,960,679	9,259,911	20,220,590
2027	11,270,862	9,259,911	20,530,773
2028	7,337,426	9,259,911	16,597,337
2029	7,650,082	9,259,911	16,909,993
2030	1,579,389	9,259,911	10,839,300
2031	1,573,702	9,259,911	10,833,613
2032	1,576,583	9,259,911	10,836,494
2033	1,574,441	9,259,911	10,834,352
2034	1,576,658	9,259,911	10,836,569
2035	1,577,233	9,259,911	10,837,144
<b>Total</b>	<b>818,655,729</b>	<b>257,901,377</b>	<b>1,076,557,106</b>



State of California  
 California Natural Resources Agency  
 Department of Water Resources  
 State Water Project  
 Municipal Water Quality Investigations Costs<sup>1</sup>  
 for  
 THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

(in dollars)

Year	Charges
1994	943,103
1995	1,259,042
1996	1,408,491
1997	1,325,623
1998	1,206,301
1999	785,510
2000	720,935
2001	969,130
2002	1,108,894
2003	1,161,645
2004	1,272,803
2005	538,365
2006	1,035,985
2007	1,558,195
2008	1,929,498
2009	1,286,263
2010	1,450,106
2011	1,667,959
2012	1,859,027
2013	1,487,222
2014	1,852,017
2015	1,653,529
2016	1,689,610
2017	1,022,279
2018	1,174,712
2019	1,670,827
2020	1,704,513
Total	35,741,584

1. Pursuant to the Municipal Water Quality Investigations Agreements executed in 1994, 1997, 2003, 2006, 2008, 2010, 2014, and 2017 these costs are included in the annual Statements of Charges under the Transportation Minimum OMP&R component.

State of California  
California Natural Resources Agency  
Department of Water Resources  
State Water Project  
Permanent Table A Transfer Credit<sup>1</sup>  
for  
THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

(In dollars)

State Water Project Repayment Reach	2020 Credit
CA-R1	(3,819)
CA-R2A	(2,366)
CA-R2B	(1,236)
CA-R3	(1,015)
CA-R4	(1,742)
CA-R5	(1,333)
CA-R6	(333)
CA-R7	(1,831)
CA-R8C	(46)
CA-R8D	(756)
CA-R9	(28,821)
CA-R10A	(32,204)
CA-R11B	(48,785)
CA-R12D	(48,355)
CA-R12E	(33,536)
CA-R13B	(83,876)
CA-R14A	(320,600)
CA-R14B	(50,393)
CA-R14C	(43,419)
CA-R15A	(251,088)
CA-R16A	(433,457)
CA-R17E	(1,626,325)
CA-R17F	(404,289)
CA-R18A	(32,950)
CA-R19	(23,914)
CA-R20A	(75)
CA-R20B	(92)
CA-R21	(47)
CA-R22A	(49)
CA-R22B	(40,893)
CA-R29A	(27,581)
CA-R29F	(19,956)
CA-R29G	(64,020)
CA-R29H	(10,566)
CA-R29J	(67,394)
CA-R30	(16,944)
<b>Total</b>	<b>(3,724,106)</b>

<sup>1</sup> This credit is to offset charges incurred when a buying contractor in a permanent Table A transfer requires downstream capacity from a selling contractor.

**FOOTNOTES**

**Attachment 4A**

1/ From Table B-15 of Appendix B to Bulletin 132-19, "Management of the California State Water Project".

2/ Payments in 2019 are assumed to be equal to those amounts shown on the Statement of Charges for 2019.

**Attachment 4B**

1/ From Table B-16 of Appendix B to Bulletin 132-19.

2/ Payments in 2019 are assumed to be equal to those amounts shown on the Statement of Charges for 2019.

**Attachment 4C**

1/ From Table B-5a of Appendix B to Bulletin 132-19.

2/ From Table B-18 of Appendix B to Bulletin 132-19.

3/ Payments in 2019 are equal to the current calculated component plus the over/under adjustment for prior years.

**Attachments 4A, 4B, & 4C**

4/ As indicated in this annual redetermination of charges by subtracting the respective annual payment received as shown in Column (3) from the current redetermination of the component as shown in Column (2).

5/ Derived by multiplying each respective remainder shown in Column (4) by the applicable "compound amount factor". This factor is numerically equal to  $(1 + i)^n$ , where "i" equals the current project interest rate of 4.610 percent per annum and "n" equals the number of interest periods between the year in which each previous payment was made and the year covered by this statement. The resulting factors for payments in the calendar years previous to this statement are tabulated below:

Calendar Year	"n" Years	Compound Amount Factor	Calendar Year	"n" Years	Compound Amount Factor
1962	58	13.65355429	1992	28	3.53223556
1963	57	13.05186339	1993	27	3.37657543
1964	56	12.47668807	1994	26	3.22777501
1965	55	11.92685983	1995	25	3.08553198
1966	54	11.40126167	1996	24	2.94955739
1967	53	10.89882580	1997	23	2.81957498
1968	52	10.41853150	1998	22	2.69532070
1969	51	9.95940302	1999	21	2.57654211
1970	50	9.52050762	2000	20	2.46299790
1971	49	9.10095365	2001	19	2.35445742
1972	48	8.69988878	2002	18	2.25070014
1973	47	8.31649821	2003	17	2.15151528
1974	46	7.95000307	2004	16	2.05670135
1975	45	7.59965880	2005	15	1.96606572
1976	44	7.26475366	2006	14	1.87942426
1977	43	6.94460726	2007	13	1.79660096
1978	42	6.63856922	2008	12	1.71742755
1979	41	6.34601780	2009	11	1.64174319
1980	40	6.06635867	2010	10	1.56939412
1981	39	5.79902367	2011	9	1.50023336
1982	38	5.54346972	2012	8	1.43412041
1983	37	5.29917763	2013	7	1.37092095
1984	36	5.06565111	2014	6	1.31050660
1985	35	4.84241575	2015	5	1.25275461
1986	34	4.62901802	2016	4	1.19754767
1987	33	4.42502439	2017	3	1.14477360
1988	32	4.23002045	2018	2	1.09432521
1989	31	4.04361003	2019	1	1.04610000
1990	30	3.86541442	2020	0	1.00000000
1991	29	3.69507162			

6/ Derived by adding the sum of items shown in Column (5) to the 2020 calculated component shown in Column (2).

**DEPARTMENT OF WATER RESOURCES**

1416 NINTH STREET, P.O. BOX 942836  
SACRAMENTO, CA 94236-0001  
(916) 653-5791



December 20, 2019

Mr. Bradley Coffey, Group Manager  
Water Resource Management Group  
The Metropolitan Water District of Southern California  
Attn: Mr. David Reukema  
700 North Alameda Street  
Los Angeles, California 90012-2944

Dear Mr. Coffey:

Enclosed is your Revised Invoice for Tehachapi Second Afterbay Facilities. The invoice number has been revised. All amounts on the invoice remain the same.

If you have any questions or concerns, please contact Rachel Corbett, Chief of the Water Project Bill Processing and Analysis Office at (916) 653-6892.

Sincerely,

A handwritten signature in blue ink, appearing to read "Vinay Narjit Singh Behl".

*NS*  
Vinay Narjit Singh Behl, Chief  
Division of Fiscal Services

Enclosure

cc: (See attached list)

Ms. Jaime Dalida, Resource Specialist  
The Metropolitan Water District of Southern California  
1121 L Street, Suite 900  
Sacramento, California 95814

Ms. Ingrid Sheipline, Auditor  
Richardson and Company, LLP  
550 Howe Avenue, Suite 210  
Sacramento, California 95825-8339

State of California  
 California Natural Resources Agency  
 DEPARTMENT OF WATER RESOURCES  
 Post Office Box 942836  
 Sacramento, California 94236-0001

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

TEHACHAPI SECOND AFTERBAY FACILITIES  
 CAPITAL COMPONENT OF THE TRANSPORTATION CHARGE  
 IN 2020

Invoice No: 20-007-TAB

Mr. Bradley Coffey, Group Manager  
 Water Resource Management Group  
 The Metropolitan Water District of Southern California  
 Attn: Mr. David Reukema  
 700 North Alameda Street  
 Los Angeles, California 90012-2944

Date: December 20, 2019

Contract No: 160157

[in dollars]

Due on or Before	Capital Cost Component		Total Payment Due
	Tehachapi Second Afterbay Debt Service Charge	25 Percentage Bond Cover Charge	
January 1			
February 1			
March 1	\$ 1,367,882	\$ 487,897	\$ 1,855,779
April 1			
May 1			
June 1			
July 1			
August 1			
September 1	1,367,882	487,898	1,855,780
October 1			
November 1			
December 1			
<b>Total:</b>	<b>\$ 2,735,764</b>	<b>\$ 975,795</b>	<b>\$ 3,711,559</b>

**TERMS:** As provided under Article 32 (b) of the contract, interest shall accrue at the Pooled Money Investment Fund Rate per month on delinquency payment if the delinquency continues for more than 30 days