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,

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 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

Invoice No:

18-013-O-REVISED

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:

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	Ó	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
Total:	\$0	\$0	\$56,980	\$2,481,587	\$2,538,567

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 Less Rate Management Credit Under Monterey Amendment	\$46,473,064 6,145,141	40,327,923
Transportation Charge Less Rate Management Credit Under Monterey Amendment Less Permanent Table A Transfer Credit	57,702,702 12,376,513 3,385,508	41,940,681
Minimum Operation, Maintenance, Power and Replacement Component		41,0 (0,1-0)
Deita Water Charge Transportation Charge		87,473,809 78,490,523
Total for Invoice No. 19-014-T		\$306,711,474
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		11,304,089
Total for Invoice No. 19-002-DCC		\$19,137,590

(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

The 2019 East Branch Enlargement Facilities Transportation Charge, Invoice No. 19-004-E,

Capital Cost Component
Minimum Operation, Maintenance, Power and Replacement Component

\$29,156,840 8,870,721

Total East Branch Enlargement Facilities

\$38,027,561

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 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]

17.4.44						Little C	JUlia	13]						_
	Wate	er System I	Reve	nue Bond	c	Capital Cost C	om	onent C/	Minimum O.M.P.&R. Component					
Due on or Before	Sur	charge	Вс	5 Percent and Cover Charge		elta Water harge A/		nsportation harge D/		elta Water harge B/	Tr	ansportation Charge	Tot	al Payment Due
January 1	\$ 1	7,815,467	\$.	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	1			•						7,289,484		6,540,877		13,830,361
June 1	 									7,289,484		6,540,877		13,830,361
July 1	1	7,815,467		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					<u> </u>		 		i	7,289,484	<u> </u>	6,540,877		13,830,361
October 1							<u> </u>			7,289,484		6,540,877		13,830,361
November 1							+	•	-	7,289,484	-	6,540,877		13,830,361
December 1			ļ				 			7,289,484	\top	6,540,876		13,830,360
Total:	\$:	35,630,934	\$	22,847,604	\$	40,327,923	\$	41,940,681	\$	87,473,809	\$	78,490,523	\$	306,711,474

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
Agricultural Rate Reduction Credit

\$0

D/ Permanent Table A Transfer Credit

(\$3,385,508)

Attachment 1

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:

Mr. Bradley Coffey, Group Manager **Water Resource Management Group** The Metropolitan Water District of Southern California Attn: Mr. David Reukema

June 30, 2018 Date:

700 North Alameda Street Los Angeles, California 90012-2944

Contract Number:

•	Debt Service on Bonds		O.M.P.&R. Component B/					
Due on or Before	A/	Devil Canyon Facilities	Castaic Facilities	Total Payment Due				
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				
Total:	\$ 7,833,501	\$ 6,576,053	\$ 4,728,036	\$ 19,137,590				

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)

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 Suppl Payme Devil Canyon- Were Reim Thereu	nts if Castaic Cost ibursable	Payments Due Under The Devil Canyon-Castaic Contract and the Water 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	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	49,774,182	3,385,508	41,940,681		
MINIMUM OMP&R COMPONENT:						
Delta Water Charge		87,473,809	•	87,473,809		
Transportation Charge Less Payments made under		89,794,612	89,794,612			
Article 17(b) of Devil Canyon-Castaic Contract			11,304,089	78,490,523		
Subtotal:	,		•	\$306,711,474		
DEVIL CANYON-CASTAIC CONTRACT CHARGES			r			
DEBT SERVICE				\$7,833,501		
OPERATION AND MAINTENANCE				11,304,089		
Subtotal:		•		\$19,137,590_		
Total charges for Calendar Year 2019:		\$325,849,064	•	<u>\$325,849,064</u>		
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

Capital Cost Component (1)	Water Supply Contract Charges A/ (2)	Urban Rate Reduction Credit B/ (3)	Permanent Table A Transfer Credit C/ (4)	Adjusted Charges (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	\$104,175,766	(\$18,521,654)	(\$3,385,508)	\$82,268,604

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 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

Invoice No:

19-013-O

Mr. Bradley Coffey, Group Manager Water Resource Management Group The Metropolitan Water District of Southern California Attn: Mr. David Reukema

Date:

June 30, 2018

700 North Alameda Street

Los Angeles, California 90012-2944

Contract No:

160157

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						-		

Due on or Before	Debt Service	Cover	Maintenance	RG4 Separation	Amount
Januarý 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
	0	0	10,526	384,055	394,581
May 1 June 1	0	0	10,526	384,055	394,581
	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	10,526	384,055	394,581
October 1	0	0	10,525	384,055	394,580
November 1	0	·	10,525	384,055	394,580
December 1		. 0	10,525	504,000	
Total:	\$0	\$0	\$126,310	\$4,608,661	\$4,734,971

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

CONSERVATION REPLACEMENT ACCOUNT SYSTEM CHARGE

IN 2019

	Invoice No:	19-014-U
Mr. Bradley Coffey, Group Manager Water Resource Management Group	•	
The Metropolitan Water District of Southern California Attn: Mr. David Reukema	Date:	June 30, 2018
700 North Alameda Street Los Angeles, California 90012-2944	Contract No:	160157
[in dollars]		

Due on or Before	Amount Due
January 1	\$0
February 1	e
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:	\$0

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

Invoice No: 19-004-E

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 No:

160157

[in dollars]

			្រា (dollar	Sj			
	Ca	pital (Cost Compon	ent				T-4-1
Due on or Before	Bond Principal and Interest Charge		Percentage ond Cover Charge	Sec	vil Canyon ond Afterbay obt Service Charge	Minimum OMP&R Component		Total Payment Due
January 1	Onargo		onar go			\$	739,227	\$ 739,227
February 1		<u> </u>					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	,	_	<u>-</u>				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		1		<u> </u>			739,226	739,226
December 1		-		-			739,226	739,226
Total:	\$ 19,718,025	\$ \$	5,959,953	\$	3,478,862	\$	8,870,721	\$ 38,027,561

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	Invoice No:	19-007-TAB_
Water Resource Management Group	•	· ·
The Metropolitan Water District of Southern California Attn: Mr. David Reukema	Date:	June 30, 2018
700 North Alameda Street		
Los Angeles, California 90012-2944	Contract No:	160157

fin dollars

	lin do	oliars]				
	Capital Cost (Capital Cost Component				
Due on or Before	Tehachapi Second Afterbay Debt Service Charge	25 Percentage Bond Cover Charge	Total Payment Due			
January 1		Onargo				
February 1						
March 1	\$ 1,932,637	\$ 483,160	\$ 2,415,797			
April 1		7 403,100	2,413,737			
May 1						
June 1		,				
July 1						
August 1						
September 1	1,932,636	483,159	2,415,795			
October 1		403,133	2,410,130			
November 1						
December 1						
Total:	\$ 3,865,273	\$ 966,319	\$ 4,831,592			

TABLES A, C, Ď, E, ŠF, AND G OF THE WATER SUPPLY CONTRACT BETWEEN THE STATE OF CALIFORNIA DEPARTMENT OF WATER RESOURCES

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

 -		PROJECTED			[in do	oliars except where other	erwise noted)			1447777	•	
	ANNUAL	ALLOCATION OF CAPITAL COST		IDT DOUBOUT T		OI INNOE	ESTIMATED			SYSTEM	.OFF-AQUEDUCT	
NAI ECO	ENTITLEMENTS	OF PROJECT		OST COMPONENT (Tab		MINIMUM OMP&R	VARIABLE OMP&R	TOTAL TRANSPORTATION	DELTA WATER	REVENUE BOND	POWER	TOTAL PAYMENT
CALENDAR YEAR	in-acre-leet (TABLE A)	TRANSPORTATION FACILITIES	ANNUAL PAYMENT OF	ANŅUAL INTEREST	TOTAL ANNUÁL	OMP&R COMPONENT	COMPONENT	PAYMENT	CHARGES	SURCHARGE	FACILITIES	· · · · · · · · · · · · · · · · · · ·
	·		PRINCIPAL	PAYMENT	PAYMENT (Table G)	(Tables E & G)	(Tables F & G)	(Table G)				0
1960	. 0	(Table C)	0	0	0	0	. 0	0	0	0	0	0
1961 1962		0 12,185,418	0	0	D D	0	0	0	. 0	0		1,341,244
1963	o	10,092,764	65,929	1,275,315	1,341,244	0	0	1,341,244	0	0	ō	1,305,950
1964	0	17,056,137	123,575	1,182,375	1,305,950 701,706	, 0	0 0	1,305,950 701,706	0	0	0	701,706 . 4,340,884
1965 1966	0 !	31,951,962 70,547,174	221,554 404,64 2	480,152 3,935,242	4,340,884	0 :	0	4,340,884	0	0	0	5,655,301
1967	0	124,995,713	804,990	4,850,311	5,655,301	1 711 561	0	5,655,301 15,828,107	. 0	D	0	15,828,107
1968 1969	0 0	139,828,172 130,799,064	1,518,387 2,344,921	12,598,159 20,063,016	14,116,546 22,407,937	1,711,561 1,314,941	0	23,722,878	0	0		23,722,878 32,539,136
1970	a a	150,212,228	3,160,707	27,337,321	30,496,028	2,041,108	a	32,539,136	. 0		[
1971	. 0	115,361,881	4,119,135	25,709,703	29,828,835	2,845,550	0	32,674,388	0	0	0 0	32,674,388 53,476,208
1972	154,772	28,803,650	4,933,190	37,904,125	42,837,315	7,857,023	738,659	51,432,997	2,043,211 2,317,893	· · · · · · · · · · · · · · · · · · ·	0	64,202,210
1973 1974	354,600 454,900	37,374,984 16,707,208	5,316,452 5,763,757	46,352,949 47,787,959	51,669,401 53,551,716	8,934,684 7,472,377	1,280,232 1,753,039	61,884,317 62,777,132	4,231,933	0	0 0	67,009,065 72,390,313
1975	555,200	14,681,381	6,119,860	44,068,887	50,188,747	12,965,036	4,163,244	67,317,027	5,073,286	. 0	0	77,338,450
1976	655,600	12,035,616	6,481,418	, 43,825,641	50,307,059	15,656,909 15,445,746	4,952,315 (231,716)	70,916,283 65,875,104	6,422,167 7,104,278	0	0 0	72,979,382 81,302,580
1977 1978	755,900 856,300	11,087,905 15,187,698	6,845,330 7,220,783	43,815,744 44,308,381	50,661,074 51,529,164	12,906,948	7,850,079	72,286,191	9,016,389	0	0	86,371,248
1979	956,600	27,165,745	7,635,833	44,709,391	52,345,224	27,062,599	(3.971.767) 8,770.811	75,436,056 84,247,450	10,935,192 13,102,795	0	o	97,350,246
1980	1,057,000	57,170,619	8,134,825	45,7B0,11D	53,914,935	21,561,704			•	0	0	119,764,197
1981	1,157,300	15,797,979	8,819,161 0,211,100	66,430,644 28,976,671	75,249,805 38,187,869	14,924,917 36,966,205	8,679,376 9,181,112	98,854,098 84,335,186	20,910,099 23,998,560	O	0	108,333,746
1982 1983	1,257,600 1,358,000	29,493,601 23,110,146	9,311,198 9,900,019	28,876,671 50,917,073	38,187,869 60,817,092	36,966,205 49,334,929	(5,993,116)	104,158,905	17,203,307	0	12,791,358 39,229,567	134,153,570 179,054,963
1984	1,458,300	14,829,360	10,481,447	72,953,999	83,435,446	45,517,432	(7,893,940)	121,058,938	18,766,458 22,050,974	0	77,446,523	212,789,172
1985 1986	1,558,700 1,659,300	9,164,111 7,329,614	11,044,875 11,603,626	52,251,809 50,282,665	63,296,684 61,886,291	56,783,089 30,809,854	(6,786,098) 6,687,441	113,291,675 99,383,586	25,089,658	O	77,581,287	202,054,531 217,409,919
1987	1,759,800	6,204,065	12,180,264	50,899,921	63,080,185	51,359,647	7,935,849	122,375,681	26,095,043	0 2,642,354	79,936,309	217,274,505
1988 1989	1,860,400	6,203,847	12,778,919	51,384,460 51,680,199	64,163,379 65,087,315	50,654,835 69,131,749	(8,903,510) (5,351,958)		28,781,238 32,505,376	4,587,641	68,311,546	234,271,669 . 258,205,246 .
1989 1990	1,961,000 2,011,500	17,262,370 16,019,198	13,407,116 14,139,687	51,680,199 51,143,869	65,087,315 65,283,556	47,212,462	24,090,472		33,516,369	4,037,980	83,964,409	
1991] {		66,131,997	59,177,025	20,546,087	145,855,109	35,676,185	6,259,893		242,005,416 245,880,512
1992	2,011,500 2,011,500	18,859,032 19,184,149	14,903,424 15,729,249	51,228,573 51,029,318	66,758,567	72,160,742	(14,638,492)	124,280,817	40,763,329	8,435,312 8,885,273	72,401,059 55,312,615	186,723,969
1993	. 2,011,500	25,797,106	16,603,139	48,114,052	64,717,201	62,491,609	(45,542,508) 10,248,885		40,859,579 39,156,173	8,926,755	72,838,621	269,823,237 217,853,513
1994 1995	2,011,500 2,011,500	14,175,365 14,182,954	17,579,458 18,512,107	48,372,500 49,059,384	65,961,956 67,571,491	72,700,847 65,023,889	(8,047,784)) 121,547,596	41,903,674	10,539,430	40,862,813	234,492,063
1996	2,011,600	19,741,116	19,494,569	48,064,826	67,559,395	68,296,146	8,093,981	143,949,522	41,195,923 + 45,548,810	12,810,359 13,168,230	37,121,379	246,309,428
1997 1998	2,011;500 2,011,500	12,059,264 10,062,044	20,582,904 21,654,134	48,820,518 49,222,302	69,403,422 70,876,436	82,662,153 77,734,742	(1,594,586)) 140,503,723	45,855,992	12,662,268	30,341,609	229,363,592 265,535,262
1999	2,011,500	8,103,222	22,760,285	49,238,510	71,998,795	94,936,960	(8,535,154)	158,400,601	47,422,430	17,454,651 19,805,800	40 027 077	326,900,324
2000	2,011,500	4,735,560	23,901,416	48,025,260	71,926,676	103,431,917	39,588,478		48,169,576			345,583,000
2001	2,011,600		25,060,087	47,628,901	72,688,988	61,532,014	94,286,088		48,180,135 48,898,394	19,490,499	45,412,974	343,800,535
2002	2,011,500	5,241,416	26,248,584	46,746,515	72,995,199	88,214,191 113,391,880	68,188,773 83,653,491		48,898,394 47,869,376	20,920,40	3 41,917,356	379,838,028 368,909,942
2003 2004	2,011,500 2,011,500		27,529,192 28,858,831	44,556,330 43,376,681	72,085,522 72,235,512	77,477,460	92,165,160	241,878,132	47,414,032	20,941,74	3 58,676,033	362,299,608
2005	1,911,500	6,130,204	30,241,973	36,471,086	66,713,059	58,088,434	112,260,560 115,993,559	237,062,053	49,246,383 47,416,073	19,770,59 20,330,22	8 60,701,335	393,032,957
2006 2007	1,911,500 1,911,500		31,734,753 33,397,274	33,236,895 31,987,839	64,971,648 65,385,113	83,620,114 75,223,977	174,432,589	9. 316,041,679	52,120,489	12,752,86	3 61,354,857	442,269,868 398,676,432
2008	1,911,500	10,367,132	35 111 823	32,306,638	67,418,461	117,915,033	68,579,752	2 253,913,246	53,315,217 58,266,144	19,303,20 21,153,53	71,527,080	404,237,887
2009 2010	1,911,500 1,911,500		36,931,577 39,018,092	30,503,121 29,388,493	67,434,698 68,406,585	113,674,304 126,045,953	72,182,125 82,902,324		72,806,845			458,566,491
İ			Į i	`			ļ		80,142,822	21,860,93	32 80,381,761	467,996,525
2011 2012	1,911,500 1,911,500		41,158,944 43,307,44B	27,633,201 26,661,437	68,792,145 69,968,885		110,349,261 131,264,463	3 292,532,066	83,672,846	22,686,01	17 78,031,474	
2013	1,911,500	22,772,627	45,026,784	25,644,590	70,871,374	123,679,911	86,127,80	2 280,679,087	88,558,170	23,602,56	27 24,242,083	363,947,873
2014	1,911,500	18,946,598	47,201,880	23,748,800	70,950,680	114,718,519				24,614,5	14,384,861	514,162,200
2016 2016	1,911,500 1,911,500		49,053,338 50,682,721	22,721,993 22,756,367	71,775,331 73,439,088	165,858,546	167,676,08	16 406,773,720	136,710,965	24,546,4	39 3,256,501 90 2,393,010	516,351,534
2017	1,911,500	27,188,485	51,028,363	21,763,952	72,792,315	141,023,234	145,864,83			43,719,3	34 2,538,567	528,936,399
2018	1,911,500 1,911,500			21,378,836 20,828,865	69,323,168 65,536,203			329,342,281	133,946,873	58,478,5	38 4,734,971	
2020	1,911,500			21,786,986	64,665,548				133,946,873		407.041	
2021	1,911,500	117,159,996	40,692,505	23,271,714	63,964,219	150,441,587	176,015,83					
2022	1,911,500	0 0	42,767,688	26,733,767	69,501,455	151,946,000	178,509,29	399,956,754	133,945,873	3 59,210,8	127,21	B 591,633,03
2023	1,911,500	0 1	43,255,589	24,778,893 22,806,502	68,034,482 66,130,970					3 59,892,7	775 127,210	
2024 2025	1,911,500 1,911,500			22,806,502 20,818,940	66,13D,970 65,280,070	156,550,117	181,947,16	66 403,777,352	3 133,946,873	3 57,189,2		B 584,532,91
2026	1,911,500	0 0	45,754,543	18,777,802	64,532,345	5 158,115,617	173,224,76			3 57,333,5	956 127,21	8 594,481,93
2027 2028	1,911,500 1,911,500			16,675,503 14,503,984	63,919,370 63,365,680	- 1	174,024,10	03 398,673,524	133,946,87	3 50,276.9	985 127,21	
2029	1,911,500	a	50,321,434	12,260,735	62,582,169	9 162,906,678	177,039,13	31 402,527,976	B 133,946,873		407.04	8 577,680,69
2030	1,911,500	0 0		9,956,682	61,198,614	4 164,535,745	5 177,219,6				127.21	18 592,463,3
2031	1,911,500			7,627.609	58,286,900						814 127.2	18 567,511,3
2032	1,911,500	0 0		5,301,383 2,912,959	57,482,314 55,980,20				0 133,946,87	73 40,600,	506 127.2	
2033 2034				479,972	54,803,20	in 171,216,557	7 169,866.7	746 395,886,50	133,946,87	73 40,598.	729 127,2	18 615,110,5
2035	1,911,50	0 0	56,063,661	(2,015,723)	54,047.93	8 172,928,723	3 213,520,0			450	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
TOTAL	L 109,260,27	2 1,877,933,390	1,877,933,393	2,330,200,692	4,208,134,08	5,990,266,96	1 4,973,279,1	123 15,171,680,16	€,396,30 س. ب.	- 1,907,003		

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)

			(in dollars)		
	Calculated Components as of		Current Overpayment (-) or	Annual Difference	Adjusted Calculated Component, this
Year	01/01/2018	Payment Received	Underpayment	Capitalized to 2019	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)		
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)		1
1974	48,322,678	53,551,716	(5,229,038)		L
1975	49,285,084	50,188,747	(903,663)		
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)		
1979	52,230,344	52,345,224	(114,880)		1
1980	53,637,412	53,914,935	(277,523)	'I	
1981	56,667,437	75,249,805	(18,582,368)	1	
1982	57,465,063	38,187,869	19,277,194 (1,779,620		
1983	59,037,472	60,817,092 83,435,446	(23,121,866	, , , , , , , , , , , , , , , , , , , ,	
1984 1985	60,313,580 61,144,629	63,296,684	(2,152,055	'I '	
1986	61,666,346	61,886,291	(219,945	fl '1 '	· ·
1987	62,094,710	63,080,185	(985,475	'l	·
1988	62,452,912	64,163,379	(1,710,467)
1989	62,796,236	65,087,315	(2,291,079	(8,855,968	0)
1990	63,762,459		(1,521,097	(5,620,562	
1991	64,677,355		(1,454,642		
1992	65,776,353	66,758,567	(982,214		
1993	66,905,041	64,717,201	2,187,840		
1994	68,486,622	65,951,956			
1995	69,373,540	67,571,491			
1996	70,251,056	67,559,395			
1997	71,530,953				
1998	72,283,436			l	
1999	72,917,423				
2000	73,432,162				
2001	73,741,965				
2002	73,915,736	1			
2003	74,256,539		1	I	
2004	74,601,782 68,499,909				
2005 2006					
2007		1			
2001					
2009					
2010					96
2011					99
2012				35 5,374,92	
2013					i
2014			0 4,431,73		h
2015					I
2016				73 3,809,5	
2017					
2018		69,323,16	8 3,539,7	91 3,702,9	75 21,630,
2019	69,475,68	66	1		21,630,
		7	TOTAL	(47,845,0	20)
	• •	I	, 3.7		

Attachment 4A June 30, 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)

	Calculated		Current	Annual Difference	Adjusted Calculated
1	Components as of	Payment	Overpayment (-)	Capitalized to	Component, this
Year	01/01/2018	Received	or Underpayment	2019	Statement
1069	070 704	1,711,561	(738,827)	(7,358,276)	
1968	972,734		(19,334)	(184,066)	
1969	1,295,607	1,314,941 2,041,108	(416,539)	(3,790,907)	
1970	1,624,569	2,845,550	(128,966)	(1,121,989)	
1971	2,716,584	7,857,023	181,440	1,508,946	
1972	8,038,463	8,934,684	955,632	7,597,276	
1973	9,890,316 11,581,491	7,472,377	4,109,114	31,227,866	
1974 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	
		12,906,948	4,904,822	31,126,087	
1978 1979	17,811,770 16,414,289	27,062,599	(10,648,310)	(64,596,466)	1
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)		1
1982	38,953,367	49,334,929	(10,381,562)		
1984	45,597,671	45,517,432	80,239	388,552	
1985	50,084,444	56,783,089	(6,718,645)		1
1986	52,858,915	30,809,854	22,049,061	97,567,632	
1987		51,359,647	(622,016)		
1988	50,737,631	50,654,835	607,396	2,456,073	
1989	51,262,231 52,638,942	69,131,749	(16,492,807)	1'	o l
1990	61,053,824	47,212,462	13,841,362	51,144,824	1
1991	60,874,529	59,177,025	1,697,504	5,995,983	
1992	67,460,598	72,160,742	(4,700,144)	l'	. 1
1992	68,749,547	62 491,809	6,257,738	20,198,570	
1994	63,898,029	72,700,847	(8,802,818)		. 1
1995	68,079,888	65,023,889	3,055,999	'	· •
1996	72,757,439	68,296,146	1		•1
1997	75,655,465	82,662,153	1	1	
1998	80,540,695	77,734,742		'l 	1
1999	86,320,578	94,936,960	محمات ا		
i	1	103,431,917	1	'l	
2000	82,505,333 92,945,584	61,532,014		'T' '= . = . =	
2001	85,413,719	88,214,191	1	1	1
2002	82,357,577	113,391,880		'I	:1
2003	99,543,042	77,477,460		11 1	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
2004	1 1	58,088,434	1		I
	74,184,438	83,620,114			
2006 2007	76,402,019	76,223,977		'I '	
2008	105,198,667	117,915,033			
2008	113,707,817 99,961,167	113,674,304	1		- 1
2009	98,291,257	126,045,950		1	-
2010	105,536,513	106,471,604	1 '	11 1	
			07,005,70		
2012		91,298,718 123,679,91			
2013		114,718,51			
2014		187,457,02		·	
2015		165,658,54	, , ,	1	
2016		•		· 11 · · · · · · · · · · · · · · · · ·	' 1
2017		141,023,23	11 11		1
2018		135,735,32	0 10,104,00	, , , , , ,	83,804,
2019	147,937,015	1	Total	(64,132,46	

SWP Water Purchase Program 2019

5,990,064

Net Minimum Charges:

89,794,612

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)

	Annual	Quantities	Calculated	(in dollars)	Current	10.00	Adjusted Calculated Component, ti	his
			Components as of	Payments	Overpayment (-)	Annual Difference Capitalized to 2019	Statement	
Year		uested	01/01/2018	Received	or Underpayment	(6)	(7)	
1 (1)		(2)	(3)	(4)	(5)	(4)	*	- 1
					400,050	909,429		
1972		71,938	848,011	738,659	109,352			l
1973		159,883	1,083,328	1,280,232	(196,904)	906,319		
1974	, '	277,717	1,872,297	1,753,039	119,258 (276,092)		[- 1
1975		526,491	3,887,152	4,163,244	532,948	3,701,116		
1976	l	618,451	5,485,263	4,952,315				1
1977	- [189,755	(796,686)	(231,716) 7,850,079	. (4,153,651)			
1978	į	507,565	3,696,428			48,492,817		ľ
1979		477,074	4,021,960	(3,971,767) 8,770,811	(3,408,566)			l
1980		531,727	5,362,245	1 ' '	2,183,556	12,104,477	`	1
1981	İ	795,846	10,862,932	8,679,376 9,181,112	(1,495,944)		sl .	1
1982		691,192	7,685,168			1		
1983		343,521	(8,994,497)			1,259,992	1	ļ
1984		457,582	(7,633,741	, , , , , , , , , , , , , , , , , , , ,	'l			
1985		683,625	(15,739,366		(5,551,963	'l :		
1986		708,840	1,135,478	1	1	, , ,		
1987		712,424	(3,007,097	/L'\w		'l ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '		
1988		902,564	(3,407,929	' '	'1 · · ·			
1989		1,156,698	9,488,536		· 1			
1990		1,396,423	30,759,725		· · · · · · · · · · · · · · · · · · ·			,
1991		391,447	184,870		•			
1992		710,313	(9,471,028		*1	1		
1993		652,190	(21,473,875	71	1			
1994		807,866	4,059,683		· · · · · ·	/ L		
1995		436,042		'I	'l			
1996		. 593,380			· '	'I '		
1997		721,810			· · · · · · · · · · · · · · · · · · ·	1		•
1998	- I	410,065	•	- 1	* 1		L L	
1999		852,617			71			
2000		1,522,412				1		
2001	L L	970,869						
2002		1,408,919				'l '		
2003		1,649,639			· 1			
2004		1,582,735				1		
2009		1,528,045						
2006		1,512,186		1	i	, , , , , , , , , , , , , , , , , , , ,		
2007		1,350,477		·		, ,		
2008	- 1	719,069						
2009		787,60						
201		1,150,524			· ·	l l	56	
201		1,540,663		1				
201		1,214,89		1				
201		789,29		11.				
201		282,13			1			
201		441,81						
201		1,018,25				,		
201		1,541,44					43	
201		629,18			,,233,0	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	180,	001,5
201	19	1,146,90	158,500,8	01	ŀ	Ì		
					тот	TAL 21,500,6	73	
		•			10	VEL . 51,000,0	<u>`</u> -	

Attachment 4C June 30, 2018

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	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			69,475,686
Adjusted Capital Cost Component			65,536,203

^{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

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]

	Calculated		Current	Annual Difference	Adjusted
Calendar	Component as of	Payments	Overpayment (-)	Capitalized to	Component, this
Year	01/01/2018	Received	or Underpayment	2019	Statement
1001 1	[1]	[2]	[3]	[4]	[5]
-	L*1	(- -)	F-3	• •	
1988	8,552,529	8,556,172	(3,643)	(11,113)	
1989	8,978,504	8,991,417	(12,913)	(36,427)	ļ
1990	8,983,597	9,020,145	(36,548)	(94,700)	4
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)		
1994	18,591,099	18,705,728	(114,629)		
1995	18,556,603	16,729,731	1,826,872	3,534,499	
1996	18,647,406	20,262,394	(1,614,988)		
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)		
2002	22,425,318	22,276,589		196,494	
2003	19,087,337	22,768,985)
2004	20,695,237	19,038,306	1,656,931	2,096,100	
2005	15,518,826°	17,204,043			
2006	21,996,926	17,589,839			
2007	21,205,488	20,041,387	1,164,101	1,344,087	
2008	19,895,328	21,870,151		•	
2009	20,447,424	20,084,800			
2010	20,995,084	20,584,992			
2011	20,222,785	21,198,361			
2012	20,463,459	21,513,121			
2013	17,634,660	16,714,447			
2014	18,722,067	18,442,404			
2015	20,902,785	20,213,303			
2016	20,847,856	20,986,750	•		
2017	21,448,686	21,621,713			
2018		30,262,000) (405,187	') (412,519	3) 20.450.045
2019	29,805,408	*	<u>.</u> *		29,156,840
				(648.56)	3)

(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]

	Calculated		Current	Annual Difference	Adjusted
Calendar	Component as of	Payments	Overpayment (-)	Capitalized to	Component, this
Year	01/01/2018	Received	or Underpayment	2019	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)		,
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		4,362,778	139,726	146,948	
2011	4.661.322	8,607,829		(4,129,140))
2012	4,376,367	6,041,609		(1,734,746))
2013		5,698,589	• •	(732,242))
2014		4,290,132	•		
2015		2,139,332			
2016		5,427,771			
2017		8,704,128			· ·
2018		6,055,189	• •		
2019		0		_	+ + 7/
		•		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

WATER DELIVERIES

VARIABLE O.M.P.&R. COMPONENT TRANSPORTATION CHARGE

	•	•	
DESCRIPTION (1)	ACRE-FEET (2)	UNIT CHARGE 1/ (3)	AMOUNT (4)
Reach 10A Reach 12E	64,097 31,933	21.4992720 21.4992720	1,378,039 686,536
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 VEBX-R1	564,153 0	154.8077813 0.0000000	87,335,275 0
West Branch Reach 30	395,658	163.5143806	64,695,772
	Su	b total	158,500,857
Net adjustment per rede	etermination of pre-2019 cha	rges 2/	21,500,673
	eplacement Accounting Systems and under adjustments 2/	em (RAS) Charges 2/	5,397,026 (5,042,291)
Total Estimated 2019 C	harges	<u> </u>	180,356,265
		·	· · · · · · · · · · · · · · · · · · ·

^{1/} Derived by dividing column (4) by column (2).

DWR 2868 (rev. 6/86)

^{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)

		(in dollars)	Total East Branch
	Capital	Minimum	Enlargement
Year	Component	OMP&R	Transportation Charge
		Component [2]	[3]
	[1]	LZJ	
1986	0	0	0
1987		0	0
	· 1	0	8,556,172
1988	8,556,172	ŏ	8,991,417
1989	8,991,417		9,020,145
1990	9,020,145	0	9,020,143
1991	9,009,739	86,529	9,096,268
1992	18,053,820	339,060	18,392,880
	* * *	(68,950)	18,685,628
1993	18,754,578	(213,745)	18,491,983
1994	18,705,728		19,569,427
1995	. 16,729,731	2,839,696	, 19,305,427
1996	20,262,394	2,810,767	23,073,161
		1,296,887	20,438,558
1997	19,141,671	1,850,818	20,943,085
1998	19,092,267		24,149,313
1999	20,301,335	3,847,978	20,034,672
2000	17,085,146	2,949,526	20,034,072
2001	31,847,016	13,032,437	44,879,453
I		(5,934,164)	16,342,425
2002	22,276,589	1,352,030	24,121,015
2003	22,768,985	· · · · · · · · · · · · · · · · · · ·	22,079,011
2004	19,038,306	3,040,705	
2005	17,204,043	2,605,075	19,809,118
.2006	17,589,839	4,317,052	21,906,891
2006	· · · · · · · · · · · · · · · · · · ·	4,321,833	24,363,220
2007	20,041,387		25,535,982
2008	21,870,151	3,665,831	27,088,423
2009	20,084,800	7,003,623	24,947,770
2010	20,584,992	4,362,778	
2011	21,198,361	8,607,829	29,806,190
2012	21,513,121	6,041,609	27,554,730
		5,698,589	22,413,036
2013	16,714,447		22,732,536
2014	18,442,404	4,290,132	22,352,635
2015	20,213,303	2,139,332	22,332,000
2016	20,986,750	5,427,771	26,414,521
	21,621,713	8,704,128	30,325,841
2017		6,055,189	36,317,189
2018	30,262,000	8,870,721	38,027,561
2019	29,156,840		38,151,531
2020	29,179,291	8,972,240	36,131,331
2021	29,819,225	8,972,240	38,791,465
	28,708,777	8,972,240	37,681,017
2022		8,972,240	32,621,749
2023	23,649,509		33,824,50
2024	24,852,261	8,972,240	37,333,56
2025	28,361,325	8,972,240	٠
2026	11,018,720	8,972,240	19,990,96
	11,292,836	8,972,240	20,265,07
2027		8,972,240	16,323,63
2028	7,351,399	8,972,240	16,645,80
2029	7,673,564 1,555,364	8,972,240	10,527,60
2030		,	
2031	. 1,549,763	8,972,240	10,522,00
2032	1,552,600		10,524,84
2032	i,550,491	0.070.010	10,522,73
		0.050.010	10,524,91
2034 2035	1,552,674 1,553,240		10,525,48
2037	1,555,240	, ,	
Total	828,340,229	252,896,906	1,081,237,13

Attachment 6 June 30, 2018

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

Municipal Water Quality Investigations Costs¹ 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

 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 Credit¹

Permanent Table A Translet Cledit

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

(in dollars)

	(in dollars)
State Water Project Repayment Reach	2019 Credit
- Topaymont (toasii	
CA-R1	(12,989)
I	(2,160)
CA-R2A	(1,096)
CA-R2B	
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)
GA-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-R293 CA-R30	(19,297)
	(3,385,508)
Total	(3,303,300)

¹ 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
, cai	Touto				
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	6 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

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:

- 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,

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

Date:	August 31, 2018	

Invoice No:

18-014-T-Revised

Contract No: 160157

fin dollars)

	1		<u> </u>	dollars]	т		y
	Water System	Revenue Bond	Capital Cost	Component C/	Minimum O.M.P	.&R. Component	e.
Due on or Before	·Surcharge	25 Percent Bond Cover Charge	Delta Water Charge A/	Transportation Charge D/	Delta Water Charge B/	Transportation Charge	Total Payment Due
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		-	ı		7,450,188	18,275,581	\$ 25,725,769
December 1	-				7,450,188	12,975,581	\$ 20,425,769
Total:	\$ 24,098,262	\$ 19,621,072	\$ 37,245,402	\$ 47,383,747	\$ 89,402,263	\$ 167,206,979	\$ 384,957,725

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

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

Urban Rate Reduction Credit

Agricultural Rate Reduction Credit

(\$16,735,237)

Permanent Table A Transfer Credit DI

(\$3,519,062)

\$0

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

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Water Supply Contract Charges	Water Supp Paym Devil Canyon Were Reir There	ents if -Castaic Cost nbursable	Payments The Devil Ca Contract and Water Supp	nyon-Castaic d the Water
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 Less Payments made under	69,323,168	• •	69,323,168	
Article 17(a) of Devil Canyon-Castaic Contract	w. T		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 Less Payments made under Article 17(b) of Devil		178,193,740	178,193,740	
Canyon-Castaic Contract		,	10,986,761	167,206,979
Subtotal:	• .		_	\$384,957,725
DEVIL CANYON-CASTAIC CONTRACT CHARGES				
DEBT SERVICE	,			\$7 ,830,263
OPERATION AND MAINTENANCE				10,986,761
Subtotal:		•		\$18,817,024
Total charges for Calendar Year 2018:	=	\$403,774,749	· · =	\$403,774,749
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)

	l				Adjusted
	Calculated		Current	Annual Difference	Calculated
	Components as of	Payment	Overpayment (-)	Capitalized to	Component, this
Year	01/01/2017	Received	or Underpayment	2018	Statement
1055		4			
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	46,665,127	
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		(29,730,166)	
1986	52,858,915		(6,718,645)	93,267,978	
	, , ,	30,809,854	22,049,061		
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)	1
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	82,662,153	(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)		
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	
		141,020,204	24,840,762	20,090,918	495 795 99
2018	178,243,949		Total	(42,508,621)	135,735,32
				. 147 NUK N711	

Fall 2016 SWP Water Purchase Program
Cal WaterFix Preconstruction Planning Costs

958,412 41,500,000

Net Minimum Charges:

178,193,740

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

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 NI NTH STREET, P.O. BOX 942836 SACRA MENTO, 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,

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 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 Californi	a
Attn: Mr. David Reukema	
700 North Alameda Street	
Les Angeles California 90042-2044	

· · · · · · · · · · · · · · · · · · ·	

19-014-T-Revised

Invoice No:

Contract No: 160157	
---------------------	--

[in dollars]

		-	L. Line	uonarsį	T***	
	Water System Revenue Bond		Capital Cost	Component C/	Minimum O.M.P.&R. Component	
Due on or Before	Surcharge	25 Percent Bond Cover Charge	Delta Water Charge A/	Transportation Charge D/	Delta Water Transportation Charge B/ Charge	Total Payment Due
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			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
Total:	\$ 35,630,934	\$ 22,847,604	\$ 40,327,923	\$ 41,940,681	\$ 87,473,809 \$ 76,619,851	\$ 304,840,802

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

В

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)

\$0

Agricultural Rate Reduction Credit
D/ Permanent Table A Transfer Credit

(\$3,385,508)

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 2019 FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Water Supply Contract Charges	Pay Devil Cany Were R	ipply Contract ments if on-Castaic Cost eimbursable reunder	The Devil Ca Contract an	Due Under Inyon-Castaic d the Water ply 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	6,145,141	40,327,923
Transportation Charge Less Payments made under Article 17(a) of Devil	65,536,203		65,536,203	
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	49,774,182	3,385,508	41,940,681
MINIMUM OMP&R COMPONENT:				
Delta Water Charge		87,473,809		87,473,809
Transportation Charge Less Payments made under Article 17(b) of Devil		87,923,940	87,923,940	
Canyon-Castaic Contract			11,304,089	76,619,851
Subtotal:			-	\$304,840,802
DEVIL CANYON-CASTAIC CONTRACT CHARGES				
DEBT SERVICE				\$7,833,501
OPERATION AND MAINTENANCE				11,304,089
Subtotal:			-	\$19,137,590
Total charges for Calendar Year 2019:		<u>\$323,978,392</u>	=	\$323,978,392
A/ In compliance with Article 22.			D : 10	Attachment 1B

Revised December 1, 2018

TABLES A, C, D, E, F, AND G OF THE WATER SUPPLY CONTRACT BETWEEN THE STATE OF CALIFORNIA DEPARTMENT OF WATER RESOURCES

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

	(In dollars except where otherwise noted)											
		ALLOCATION OF TRANSPORTATION CHARGE						WATER				
	ANNUAL ENTITLEMENTS	OAPITAL COST OF PROJECT	CAPITAL	COST COMPONENT	(Table D) MINIMUM		ESTIMATED VARIABLE	TOTAL	DELTA.	SYSTEM	1 1	
CALENDAR	in-acre-feet	TRANSPORTATION	ANNUAL	ANNUAL	TOTAL	OMP&R	OMP&R	TOTAL TRANSPORTATION	DELTA WATER	REVENUE BOND	OFF-AQUEDUCT POWER	TOTAL
YEAR	(TABLE A)	FACILITIES	PAYMENT OF	INTEREST	ANNUAL	COMPONENT	COMPONENT	PAYMENT	CHARGES	SURCHARGE	FACILITIES	TOTAL PAYMENT
		(Table C)	PRINCIPAL	PAYMENT	PAYMENT (Table G)	(Tables E & G)	(Tables F & G)	(Table G)				
1960	0	0	0	O	0	0	0	0	0	0	0	0
1961 1962	0 0	0 12,185,418	0	0	0	0	0	0	0	0	0	ő
1963	ŏ	10,092,764	66,929	1,275,315	1,341,244	0	0	0 1,341,244	0	0	,0	0
1964	0	17,056,137	123,575	1,182,375	1,305,950	Ö	Ö	1,305,950	ŏ	0	0	1,341,244 1,305,950
1965 1966	0 0	31,951,962	221,554	480,152	701,706	0	0	701,706	0	Ö	ŏ	701,706
1967	0	70,547,174 124,995,713	40 4 ,642 80 4 ,990	3,936,242 4,850,311	4,340,884 5,665,301	0	0	4,340,884 5,655,301	0	0	0	4,340,884
1968	0	139,828,172	1,518,387	12,598,159	14,116,546	1,711,561	0	15,828,107	0	0	0 0	5,655,301 15,828,107
1969	0	130,799,064	2,344,921	20,063,016	22,407,937	1,314,941	0	23,722,878	ő	ŏ	Ö	23,722,878
1970	0	150,212,228	3,160,707	27,337,321	30,498,028	2,041,108	0	32,539,136	0	О	0	32,539,136
1971	0	115,361,881	4,119,135	25,709,703	29,828,838	2,845,550	o	32,674,388	o	o	0	00 074 000
1972	154,772	28,803,650	4,933,190	37,904,125	42,837,315	7,867,023	738,659	51,432,997	2,043,211	ŏ	0	32,674,388 53,476,208
1973 1974	354,600 464,900	37,374,984 16,707,208	5,316,452 5,763,757	46,352,949 47,787,959	51,669,401	8,934,684	1,280,232	61,884,317	2,317,893	O	0	64,202,210
1975	655,200	14,681,381	6,119,860	44,068,887	53,551,716 50,188,747	7,472,377 12,965,036	1,753,039 4,163,244	62,777,132 67,317,027	4,231,933 5,073,286	0	0	67,009,065
1976	655,600	12,035,616	6,481,418	43,826,641	50,307,059	16,656,909	4,952,315	70,916,283	6,422,167	0	0 0	72,390,313 77,338,450
1977 -	755,900	11,067,905	6,845,330	43,815,744	50,661,074	15,445,746	(231,716)	65,875,104	7,104,278	Ö	o o	72,979,382
1978 1979	856,300 956,600	15,187,698 27,165,745	7,220,783 7,635,833	44,308,381 44,709,391	51,529,164 52,345,224	12,906,948 27,062,599	7,850,079	72,286,191	9,016,389	0	0	81,302,580
1980	1,057,000	57,170,819	8,134,825	45,780,110	53,914,935	21,561,704	(3,971,767) 8,770,811	75,436,056 84,247,450	10,935,192 13,102,796	0	0	86,371,248 97,350,246
1004	4 457 005	16 303 030								ŭ	"	97,350,246
1981 1982	1,167,300 1,257,600	15,797,979 29,493,601	8,819,161 9,311,198	66,430,644 28,876,671	75,249,805 38,187,869	14,924,917	8,679,376	98,854,098	20,910,099	0	0	119,764,197
1983	1,358,000	23,110,146	9,900,019	50,917,073	60,817,092	36,966,205 49,334,929	9,181,112 (5,993,116)	84,335,186 104,158,905	23,998,560 17,203,307	0	10 701 250	108,333,746
1984	1,458,300	14,829,360	10,481,447	72,953,999	83,435,446	45,517,432	(7,893,940)	121,058,938	18,766,458	0	12,791,358 39,229,667	134,153,570 179,054;963
1985 1986	1,558,700 1,659,300	9,164,111 7,329,614	11,044,875	52,251,809	63,296,684	56,783,089	(6,788,098)	113,291,675	22,050,974	0	77,446,523	212,789,172
1987	1,759,800	6,204,065	11,603,626 12,180,264	50,282,665 50,899,921	61,886,291 63,080,185	30,809,854 61,359,647	6,687,441 7,935,849	99,383,586 122,375,681	25,089,658	0	77,581,287	202,054,531
1988	1,860,400	6,203,847	12,778,919	51,384,460	64,163,379	50,654,835	(8,903,510)	105,914,704	26,095,043 28,781,238	0 2,642,364	68,939,195 79,936,309	217,409,919
1989	1,961,000	17,262,370	13,407,116	51,680,199	65,087,315	69,131,749	(5,351,958)	128,867,106	32,505,376	4,587,641	68,311,546	217,274,605 234,271,669
. 1990	2,011,500	16,019,198	14,139,687	51,143,869	65,283,556	47,212,462	24,090,472	136,586,490	33,616,369	4,037,980	83,964,409	258,205,248
1991	2,011,500	18,859,032	14,903,424	51,228,573	66,131,997	59,177,025	20,546,087	145,855,109	35,676,185	6,259,893	54,214,229	040 005 440
1992	2,011,500	19,184,149	15,729,249	51,029,318	66,758,667	72,160,742	(14,638,492)	124,280,817	40,763,329	8,435,312	72,401,054	242,005,416 245,880,512
1993 1994	2,011,500	26,797,106	16,603,139	48,114,062	64,717,201	62,491,809	(45,542,508)	81,666,502	40,859,579	8,885,273	55,312,615	186,723,969
1995	2,011,500 2,011,600	14,175,365 14,182,954	17,579,456 18,512,107	48,372,500 49,059,384	65,951,956 67,571,491	72,700,847 65,023,889	10,248,885	148,901,688	39,156,173	8,926,755	72,838,621	269,823,237
1996	2,011,500	19,741,116	19,494,569	48,064,826	67,559,395	68,296,146	(8,047,784) 8,093,981	124,547,596 143,949,522	41,903,674 41,195,923	10,539,430 12,810,359	40,862,813 36,536,259	217,853,613
1997	2,011,600	12,059,264	20,582,904	48,820,618	69,403,422	82,662,153	(1,594,566)	150,471,009	45,548,810	13,168,230	37,121,379	234,492,063 246,309,428
1998 1999	2,011,500 2,011,500	10,062,044 8,103,222	21,654,134	49,222,302	70,876,436	77,734,742	(8,107,455)	140,603,723	45,855,992	12,662,268	30,341,609	229,363,692
2000	2,011,500	4,735,660	22,760,285 23,901,416	49,238,510 48,025,260	71,998,795 71,926,676	94,936,960 103,431,917	(8,535,164) 39,688,478	158,400,601 214,947,071	47,422,430	17,454,651	42,257,580	265,535,262
			,		•	100,101,017	05,505,470	214,841,011	48,169,676	19,805,800	. 43,977,877	326,900,324
2001 2002	2,011,500	2,615,653	25,060,087	47,628,901	72,688,988	61,532,014	94,286,088	228,507,090	48,180,135	19,490,499	49,405,276	345,583,000
2002	2,011,500 2,011,500	5,241,416 4,242,014	26,248,684 27,529,192	48,746,615 44,556,330	72,995,199 72,085,522	88,214,191 113,391,880	68,188,773 83,653,491	229,398,163	48,898,394	20,091,004	45,412,974	343,800,535
2004	2,011,500	3,482,645	28,858,831	43,376,681	72,235,512	77,477,460	92,165,160	269,130,893 241,878,132	47,869,376 47,414,032	20,920,403 20,941,743	41,917,356 58,676,035	379,838,028
2005	1,911,500	6,130,204	30,241,973	36,471,086	66,713,059	68,088,434	112,260,560	237,062,053	49,246,383	19,770,593	56,220,579	368,909,942 362,299,608
2006 2007	1,911,500 1,911,500	11,665,893 9,609,040	31,734,753 33,397,274	33,236,895 31,987,839	64,971,648	83,620,114	115,993,559	264,585,321	47,416,073	20,330,228	60,701,335	393,032,957
2008	1,911,500	10,367,132	35,111,823	32,306,638	65,385,113 67,418,461	76,223,977 117,915,033	174,432,589 68,679,752	316,041,679 253,913,246	52,120,469 53,315,217	12,752,863	61,364,857	442,269,868
2009	1,911,500	18,555,261	36,931,677	30,503,121	67,434,698	113,674,304	72,182,125	253,291,127	58,266,144	19,303,204 21,153,536	72,144,765 71,527,080	398,676,432 404,237,887
2010	1,911,600	15,477,179	39,018,092	29,388,493	68,406,585	126,045,953	82,902,324	277,354,862	72,806,845	20,240,944	88,263,840	458,666,491
2011	1,911,600	10,617,977	41.158.944	27,633,201	68,792,145	106,471,604	110,349,261	285,613,010	90 140 000	D4 000 000		
2012	1,911,500	13,835,844	43,307,448	26,661,437	69,968,885	91,298,718	131,264,463	292,532,066	80,142,822 83,672,846	21,860,932 22,686,017	80,381,761 78,031,474	467,998,525 476,922,403
2013	1,911,500	22,772,627	45,026,784	26,844,590	70,871,374	123,679,911	86,127,802	280,679,087	88,558,170	23,602,562	49,351,291	442,191,110
2014 2015	1,911,500 1,911,500	18,946,598 32,175,931	47,201,880 49,053,338	23,748,800 22,721,993	70,950,680	114,718,519	44,278,183	229,947,382	84,040,101	25,718,327	24,242,063	363,947,873
2016	1,911,600	48,275,321	50,682,721	22,721,993 22,766,367	71,775,331 73,439,088	187,457,029 165,658,546	101,555,175 167,676,086	360,787,535 406,773,720	114,375,290	24,614,514	14,384,861	514,162,200
2017	1,911,500	27,188,485	51,028,363	21,763,952	72,792,315	141,023,234	145,864,831	359,680,380	136,710,965 131,657,654	24,546,439 22,620,590	3,266,601 2,393,010	571,297,726 618,351,534
2018	1,911,500	43,847,206	47,944,332	21,378,836	69,323,168	135,735,328	144,827,196	349,885,692	132 792 806	43,719,334	2,538,567	528;936,399
2019 2020	1,911,500 1,911,600	65,275,658 74,911,888	44,707,338 42,878,562	20,828,865 21,786,986	65,536,203	84,923,254	180,001,530	330,460,987	133,946,873	58,478,538	4,734,971	627,621,369
	1,011,000	17,000	42,010,002	21,100,900	64,665,548	153,506,160	161,289,878	369,461,586	133,946,873	58,774,497	127,446	662,310,402
2021	1,911,500	117,159,996	40,692,505	23,271,714	63,964,219	150,441,587	176,015,831	390,421,637	133,946,873	59,605,459	127,218	684,101,187
2022 2023	1,911,500 1,911,500	0	42,767,688	26,733,767	69,501,455	151,946,000	178,509,299	399,956,754	133,946,873	59,210,866	127,218	593,241,711
2023	1,911,500	0	43,255,589 43,324,468	24,778,893 22,806,502	68,034,482 66,130,970	153,465,461 155,000,115	174,733,119 179,956,576	396,233,062	133,946,873	61,325,884	127,218	691,633,037
2025	1,911,500	ő	44,461,130	20,818,940	65,280,070	166,550,117	181,947,166	401,087,661 403,777,353	133,946,873 133,946,873	59,892,776 57,189,246	127,218 127,218	595,064,527
2026	1,911,500	0	45,754,543	18,777,802	64,532,345	158,116,617	173,224,763	395,872,725	133,946,873	54,586,094	127,218	595,040,690 584,632,910
2027 2028	1,911,500 1,911,500	0	47,243,867 48,851,696	16,675,503 14,503,984	63,919,370	169,696,771	179,457,743	403,073,884	133,946,873	57,333,956	127,218	594,481,931
2029	1,911,500	0	50,321,434	12,260,735	63,355,680 62,582,169	161,293,741 162,906,678	174,024,103 177,039,131	398,673,524 402,527,978	133,946,873	50,276,985	127,218	683,024,600
2030	1,911,500	ŏ	61,241,932	9,956,682	61,198,614	164,535,745	177,039,131	402,954,030	133,946,873 133,946,873	52,095,333 40,652,573	127,218 127,218	588,697,402 577,680,694
2031	1,911,500	_	E0 950 000	7 007 000	EB 000 000						.21,200	577,000,00 0
2031	1,911,500	0	50,659,299 52,180,931	7,627,609 5,301,383	58,286,908 57,482,314	166,181,102 167,842,913	193,311,684	417,779,694	133,946,873	40,609,561	127,218	592,463,346
2033	1,911,500	ŏ	53,067,243	2,912,959	55,980,202	169,521,342	167,458,179 190,156,226	392,783,406 415,657,770	133,946,873 133,946,873	40,653,814 40,600,506	127,218	567,511,311
2034	1,911,500	0	54,323,228	479,972	54,803,200	171,216,557	169,866,746	395,886,503	133,946,873	40,598,114	127,218 127,218	590,332,367 570,568,708
2035	1,911,500	0	56,063,661	(2,015,723)	54,047,938	172,928,723	213,520,064	440,496,725	133,946,873	40,539,729	127,218	615,110,545
TOTAL	109,260,272	1,877,933,390	1,877,933,393	2,330,200,692	4,208,134,085	5,991,385,667						010,110,040

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)

Calculated Components as of Components a				I .		Adjusted
Components as of Received Overpayment (-) Capitalized to Component, thi Statement (-) (1/01/2018) 988 972,734 1,711,661 (1/9,334) (1/84,066) 970 1,624,569 2,041,108 (1/8,334) (1/84,066) 971 2,716,584 2,845,555 (122,666) (1,121,986) 972 8,039,463 7,857,023 181,440 1,509,946 9,793 9,809,316 1,295,036 (19,512 4,500,601 1,584,548 12,965,036 (19,512 4,500,601 1,584,548 12,965,036 (19,512 4,500,601 1,584,548 12,965,036 (19,512 4,500,601 1,584,548 12,965,036 (19,512 4,500,601 1,584,548 12,965,036 (19,512 4,500,601 1,584,548 12,965,036 (19,648,310) (19,466,151) 1,584,548 12,965,036 (19,648,310) (19,466,151) 1,584,548 (19,523,606) 1,644,742 (19,406,151) 1,644,289 2,7062,689 (10,648,310) (18,468,669) (10,648,310) (18,468,669) (10,648,310) (18,468,669) (10,648,310) (19,468,669) (10,648,310) (19,468,669) (10,648,310) (19,468,669) (10,648,310) (19,468,669) (19,1648,310) (19,469,649) (19,1648,310) (19,469,649) (19,1648,310) (19,469,649) (19,1648,310) (19,469,649) (19,1648,310) (19,469,649) (19,1648,310) (19,469,649) (19,1648,310) (19,469,649) (19,1648,310) (19,469,649) (19,1648,310) (19,469,649) (19,1648,310) (19,469,649) (19,1648,310) (19,1649,649) (19,16		Calculated		Current	Annual Difference	
Sear			Payment			
988 972,734 1,711,561 (738,827) (7,388,276) 989 1,285,607 1,314,941 (19,334) (146,686) (3,790,907) 970 1,624,589 2,041,108 (416,539) (3,790,907) 971 2,76,584 2,845,550 (120,968) (1,121,989) 972 8,039,463 7,7657,023 181,440 1,508,946 972 8,039,463 18,934,684 985,632 7,597,276 974 11,881,981 7,472,377 4,109,114 31,227,866 975 12,862,489 15,566,909 (2,794,420) (19,406,151) 975 13,564,548 12,965,036 (19,512 4,500,601 977 16,203,989 15,448,746 757,985 7,931,724 17,811,770 12,906,948 4,904,822 31,126,007 979 16,414,289 27,062,599 (10,48),310 (834,806) (3,881,287) 980 20,926,698 21,561,704 (834,806) (3,881,287) 981 23,731,024 14,924,917 8,806,107 48,816,380 982 27,994,510 36,962,05 (8,971,685) (47,542,607) 981 23,731,024 14,924,917 8,806,107 48,816,380 983 88,63,367 49,334,929 (10,361,562) (52,589,372) 984 45,597,671 45,517,432 80,239 885 50,084,444 56,783,089 (6,718,645) (31,100,727) 985 50,084,444 56,783,089 (6,718,645) (31,100,727) 986 52,630,942 69,131,749 (622,016) (2,631,141) 988 51,262,231 50,085,483 (6,718,645) (31,100,727) 989 52,630,942 69,131,749 (622,016) (2,631,141) 988 51,262,231 50,085,483 (6,718,645) (31,100,727) 980 61,053,824 72,124,621 31,841,362 51,144,824 991 60,674,529 59,77,025 61,697,504 598,983 68,749,547 62,491,809 62,267,738 20,188,670 999 61,053,824 72,124,621 31,841,362 51,144,824 991 60,674,529 59,77,025 61,697,504 598,983 68,749,547 62,491,809 62,267,738 20,188,670 999 60,03,846 61,522,014 991 60,874,529 591,77,025 61,697,504 598,983 68,749,547 62,491,809 62,267,738 20,188,670 999 60,603,833 103,431,917 (20,926,584) (48,270,761) 999 60,604,604 99,543,942 77,744,742 2,965,953 7,229,665 999 62,657,739 20,186,670 99,691,691,691,691,691,691,691,691,691,6	Year	, , , , , , , , , , , , , , , , , , ,			'	
988	*****	-				Otacomoni
968	1968	972,734	1,711,561	(738,827)	(7,358,276)	
970	1969	1,295,607		1 ' '		
971	1970	1,624,569	2,041,108			
972	1971	2,716,584	2,845,550			
974	1972	8,038,463	7,857,023			
974	1973	9,890,316	8,934,684	955,632		
975	1974	11,581,491	7,472,377	4,109,114		
977	1975	13,584,548	12,965,036	619,512	· ·	
977	1976	12,862,489	15,656,909	(2,794,420)		
979 16,414,289 27,082,598 (10,648,310) (64,598,486) (361,257) (991 23,731,024 14,924,917 8,806,107 48,816,390 47,542,607) 992 27,994,510 36,968,205 (8,971,695) (47,542,607) 993 36,953,367 49,334,228 (10,361,562) (65,589,372) 984 45,597,671 45,517,432 80,239 388,552 (35,589,415) (36,4444 56,783,099 (6,718,645) (31,100,727) 996 52,659,615 30,809,854 22,049,061 37,567,632 (26,311,411) 988 51,262,231 50,664,835 507,396 2,456,073 989 52,638,942 69,131,749 (16,492,807) 63,751,533 990 61,053,824 47,212,462 13,841,362 51,144,824 991 60,874,529 59,177,025 1,997,504 59,995,993 68,749,547 52,491,809 62,57,738 20,198,570 993 68,749,547 52,491,809 62,57,738 20,198,570 994 63,898,029 72,700,847 (8,802,818) (17,161,378) 996 67,696,696 72,700,847 (8,802,818) (7,161,378) 996 68,079,886 65,023,889 3,055,999 9,013,845 997 75,656,466 82,662,153 (7,006,688) 72,275,499 68,269,146 4,461,293 12,578,961 998 86,321,578 94,936,960 60,676,382 (21,222,132) 000 82,605,333 103,431,917 (20,026,564) (40,270,751) 001 92,945,564 61,532,014 (31,034,303) 63,823,233 (30,525,277) 002 85,413,719 88,214,181 (2,600,472) (6,025,257) 003 82,567,577 113,91,880 (31,034,303) (63,823,233) (63,823,2	1977	16,203,699	15,445,746	757,953	5,031,724	
980	1978	17,811,770	12,906,948	4,904,822	31,126,087	•
981	1979	16,414,289	27,062,599	(10,648,310)	(64,596,466)	
982	1980	20,926,898	21,561,704	(634,806)	(3,681,257)	
983	1981	23,731,024	14,924,917	8,806,107	48,816,390	
984	1982	27,994,510	36,966,205	(8,971,695)	(47,542,607)	
984	1983	38,953,367	49,334,929	(10,381,562)	(52,589,372)	
986	1984	45,597,671	45,517,432	80,239		
987	1985	50,064,444	56,783,089	(6,718,645)	(31,100,727)	
988	1986	52,858,915	30,809,854	22,049,061	97,567,632	
988	1987	50,737,631	51,359,647	(622,016)		
989	1988	51,262,231				
990 61,053,824 47,212,462 13,841,362 51,144,824 59,959 61 60,674,529 59,177,025 1,697,504 5,995,963 992 67,460,588 72,160,742 (4,700,144) (15,870,360) 993 68,749,547 62,491,809 6,257,738 20,198,570 994 63,898,029 72,700,847 (8,802,818) (27,161,378) 996 68,079,888 65,023,889 30,55,999 9,013,845 996 72,757,439 68,296,146 4,461,293 12,578,951 997 75,655,465 92,662,153 (7,006,688) (18,865,270) 998 80,540,695 77,734,742 2,805,595 7,229,655 999 86,320,578 94,936,960 (8,616,382) (21,222,132) 000 82,505,333 103,431,917 (20,926,584) (49,270,751) 001 92,945,564 61,532,014 31,413,570 70,702,527 002 85,413,719 88,214,191 (2,800,472) (6,026,257) 003 82,357,577 113,391,880 (31,034,303) (63,828,293) 004 99,543,042 77,477,460 22,065,682 43,382,384 005 74,184,438 58,088,434 16,096,004 30,251,220 005 74,184,438 58,088,434 16,096,004 30,251,220 006 76,402,019 83,820,114 (7,218,095) 49,761,931 007 105,198,667 76,223,977 28,974,690 49,761,931 009 99,991,167 113,874,304 (13,713,137) (21,521,316) 010 98,291,257 126,045,953 (27,754,696) (41,638,521) 011 105,536,513 106,471,604 (935,091) (1,341,033) 014 145,684,746 114,718,519 30,946,227 38,786,028 015 131,828,685 137,457,029 (15,628,344) (66,617,583) 016 131,221,678 146,568,476 114,718,519 30,946,227 38,786,028 016 131,221,678 166,568,546 141,023,234 (4,821,068) (5,275,817) 017 136,202,166 141,023,234 (4,821,068) (5,275,817) 018 148,889,895 135,735,328 13,154,567 13,760,994 147,937,015	1989	52,638,942		(16,492,807)		
991 60,874,528 59,177,025 1,697,504 5,995,983 992 67,480,598 72,160,742 (4,700,144) (15,870,390) 993 68,749,547 62,491,809 6,257,738 20,198,570 994 63,898,029 72,700,847 (8,802,818) (27,161,378) 995 68,079,888 65,023,889 3,055,999 9,013,845 997 75,655,465 82,662,153 (7,006,688) (18,885,270) 998 80,540,695 77,734,742 2,805,953 7,229,655 999 86,320,578 94,936,960 (6,616,382) (21,222,132) 000 82,505,333 103,431,917 (20,926,584) (49,270,751) 001 92,945,564 61,532,014 31,413,570 70,702,527 002 85,413,719 88,214,191 (2,800,472) (6,025,267) 003 82,557,577 113,391,880 (31,034,303) (63,28,293) 004 99,543,042 77,477,460 22,065,562 43,382,384 16,096,004 99,543,042 77,477,460 22,065,562 43,382,384 005 74,184,438 58,088,434 16,096,004 30,251,220 006 76,402,019 83,620,114 (7,218,095) (12,968,036) 007 105,198,667 76,223,977 28,974,690 49,761,931 009 99,961,167 113,674,304 (13,713,137) (21,521,316) 010 98,291,257 126,045,953 (27,754,696) (13,410,03) 012 118,664,443 91,298,718 (13,713,137) (21,521,316) 014 145,684,746 114,718,519 30,946,227 38,768,028 015 131,528,685 137,457,029 (55,628,344) (66,617,593) 016 131,228,685 137,457,029 (55,628,344) (66,617,593) 017 136,202,166 114,718,519 30,946,227 38,768,028 019 147,937,015 7041 147,937,015 7041 147,937,015 7041 147,937,015	1990	61,053,824				
992	1991	60,874,529	59,177,025			
993	1992	67,460,598				
994 63,898,029 72,700,847 (8,802,818) (27,181,378) 995 66,079,888 65,023,889 3,055,999 9,013,845 997 75,655,465 82,662,153 (7,006,688) (18,865,270) 998 80,6540,695 77,734,742 2,805,953 7,229,655 999 86,320,578 94,936,960 (8,616,382) (21,222,132) 000 82,505,333 103,431,917 (20,926,564) (49,270,751) 001 92,945,584 61,532,014 31,413,570 70,702,527 002 85,413,719 88,214,191 (2,800,472) (6,025,257) 003 82,357,577 113,391,880 (31,034,303) (63,828,293) 004 99,543,042 77,477,460 22,065,682 43,382,384 005 74,184,438 58,088,434 16,096,004 30,251,220 006 76,402,019 83,620,114 (7,218,095) (12,968,036) 007 105,198,667 76,223,977 28,974,690 49,761,931 008 113,707,817 117,915,033 (4,207,216) (8,907,169) 009 99,961,167 113,674,304 (13,713,137) (21,521,316) 010 98,291,257 126,045,953 (27,754,696) (41,638,521) 011 105,536,513 106,471,604 (935,091) (1,341,033) 012 118,664,443 91,298,718 27,365,725 37,516,246 013 132,931,302 123,679,911 9,251,391 12,124,009 014 145,664,746 114,718,519 30,946,227 38,768,028 015 131,228,685 187,457,029 (55,628,344) (66,617,593) 018 148,889,895 135,735,328 13,164,567 13,760,994 147,937,015	1993	68,749,547				
996	1994	63,898,029	72,700,847			
996	1995	68,079,888	65,023,889			
997	1996	72,757,439	68,296,146			
998	1997	75,655,465	82,662,153	(7,006,688)		
000 82,505,333 103,431,917 (20,926,584) (49,270,751) 001 92,945,564 61,532,014 31,413,570 70,702,527 (8,025,257) 002 85,413,719 88,214,191 (2,800,472) (8,025,257) 003 82,357,577 113,391,880 (31,034,303) (63,828,293) 004 99,543,042 77,477,460 22,065,682 43,382,384 005 74,184,438 58,088,434 16,096,004 30,251,220 006 76,402,019 83,820,114 (7,218,095) (12,968,036) 007 105,198,667 76,223,977 28,974,690 49,761,931 009 99,961,167 113,674,304 (13,713,137) (21,521,316) 009 99,961,67 113,674,304 (13,713,137) (21,521,316) 010 98,291,257 126,045,953 (27,754,696) (41,638,521) 011 105,536,513 106,471,604 (935,091) (1,341,033) 012 118,684,443 91,298,718 27,365,725 37,516,246 013 132,931,302 123,679,911 9,251,391 12,124,009 014 145,684,746 114,718,519 30,946,227 38,768,028 015 131,828,685 187,457,029 (55,628,344) (66,617,593) 016 131,261,678 165,658,546 (34,396,868) (39,376,627) 017 136,202,166 141,023,234 (4,821,068) (5,275,817) 018 148,889,995 135,735,328 13,154,567 13,760,994 019 147,937,015	1998	80,540,695	77,734,742	2,805,953		
000 82,505,333	1999	86,320,578	94,936,960			
001 92,945,584 61,532,014 31,413,570 70,702,527 002 85,413,719 88,214,191 (2,800,472) (6,025,257) 003 82,357,577 113,391,880 (31,034,303) (63,828,293) 004 99,543,042 77,477,460 22,065,682 43,382,384 005 74,184,438 58,088,434 16,096,004 30,251,220 006 76,402,019 83,620,114 (7,218,095) (12,968,036) 007 105,198,667 76,223,977 28,974,690 49,761,931 008 113,707,817 117,915,033 (4,207,216) (6,907,169) 009 99,961,167 113,674,304 (13,713,137) (21,521,316) 010 98,291,257 126,045,953 (27,754,696) (41,638,521) 011 105,536,513 106,471,604 (935,091) (1,341,033) 012 118,664,443 91,298,718 27,365,725 37,516,246 013 132,931,302 123,679,911 9,251,391 12,124,009 014 145,664,746 114,718,519 30,946,227 38,768,028 015 131,828,685 187,457,029 (55,628,344) (66,617,593) 016 131,261,678 165,658,546 (34,396,868) (39,376,627) 017 136,202,166 141,023,234 (4,821,068) (5,275,817) 018 148,889,895 135,735,328 13,154,567 13,760,994 019 147,937,015 Total (63,013,761)	2000	82,505,333	103,431,917			
002	2001	92,945,584	61,532,014	31,413,570	70,702,527	
003	2002	85,413,719	88,214,191	(2,800,472)		
005 74,184,438 58,088,434 16,096,004 30,251,220 (12,968,036) (007 105,198,667 76,223,977 28,974,690 49,761,931 (13,707,817 117,915,003 (4,207,216) (6,907,169) (109 99,961,167 113,674,304 (13,713,137) (21,521,316) (101 98,291,257 126,045,953 (27,754,696) (41,638,521) (11 105,536,513 106,471,604 (935,091) (1,341,033) (12 118,664,443 91,298,718 27,365,725 37,516,246 (13) 132,931,302 123,679,911 9,251,391 12,124,009 (14 145,684,746 114,718,519 30,946,227 38,768,028 (15 131,828,685 187,457,029 (55,628,344) (66,617,593) (16 131,261,678 165,658,546 (34,396,868) (39,376,627) (17 136,202,166 141,023,234 (4,821,068) (5,275,817) (18 148,888,895 135,735,328 13,154,567 13,760,994 (147,937,015) (15 134,937,015)	2003	82,357,577	113,391,880	(31,034,303)	(63,828,293)	
005	2004	99,543,042	77,477,460	22,065,582		
006	2005	74,184,438		16,096,004	·	
007	2006	76,402,019				
008	2007	105,198,667	76,223,977			
009 99,961,167 113,674,304 (13,713,137) (21,521,316) 010 98,291,257 126,045,953 (27,754,696) (41,638,521) 011 105,536,513 106,471,604 (935,091) (1,341,033) 012 118,664,443 91,298,718 27,365,725 37,516,246 013 132,931,302 123,679,911 9,251,391 12,124,009 014 145,664,746 114,718,519 30,946,227 38,768,028 015 131,828,665 187,457,029 (55,628,344) (66,617,593) 016 131,261,678 165,658,546 (34,396,868) (39,376,627) 017 136,202,166 141,023,234 (4,821,068) (5,275,817) 018 148,889,895 135,735,328 13,154,567 13,760,994 019 147,937,015 Total (63,013,761)	2008	113,707,817				
010	2009	99,961,167				
011	2010	98,291,257				
012	2011	105,536,513	106,471,604			
013	2012	118,664,443				
014	2013	132,931,302	123,679,911			
015	2014	145,664,746				
016	2015	131,828,685				
017	2016	131,261,678				
018	2017					
019 147,937,015 Total (63,013,761) 84,923,25 2018 Flow Augmentation Program 3,000,68	2018			* * * * * * * * * * * * * * * * * * * *	, , ,	
Total (63,013,761)	2019				,,	84,923,254
				Total	(63,013,761)	
		0049 Flaur Avenue 4"			•	
Net Minimum Charges: 87.923.94	;	zu io Fiow Augmentation	i Program			3,000,686
Net Minimum Charges: 87.923.94		- -				
			Net Minimum Charg	jes:		87,923,94

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

Municipal Water Quality Investigations Costs¹

for

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

(in dollars)

(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						

 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.

> Attachment 8 December 1, 2018

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,

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 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

Invoice No:

19-013-O-REVISED

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:

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
Total:	\$0	\$0	\$56,402	\$2,480,911	\$2,537,313

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	6,145,141	
Transportation Charge	54,143,521	57,457,040
Less Rate Management Credit Under Monterey Amendment	12,309,768	
Less Permanent Table A Transfer Credit	3,724,106	
Minimum Operation, Maintenance,		38,109,647
Power and Replacement Component		
Delta Water Charge		92,381,352
Transportation Charge		166,060,900
Total for Invoice No. 20-014-T	:	\$396,694,487
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		11,734,891
Total for Invoice No. 20-002-DCC		\$19,546,613

(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

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
Minimum Operation, Maintenance, Power and Replacement Component

\$28,966,912 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 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

fin dollars)

					_	In	QOII	ars]						
r.	Water	System	Reve	enue Bond		Capital Cost Component C/			Minimum O.M.P.&R. Component					
Due on or Before	Surch	arge	Be	5 Percent and Cover Charge		Delta Water Charge A/		ansportation Charge D/	ı	Delta Water Charge B/	Transportation Charge		To	tal Payment Due
January 1	\$ 9,2	46,400	\$	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	9,2	46,399		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				•				** <u>-</u>		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	<u> </u>	13,838,408		21,536,854
Total:	\$ 18,4	92,799	\$	24,192,749	\$	57,457,040	\$	38,109,647	\$	92,381,352	\$	166,060,900	\$	396,694,487

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
Agricultural Rate Reduction Credit

(\$18,454,909)

D/ Permanent Table A Transfer Credit

(\$3,724,106)

Attachment 1

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

CHARGES UNDER THE DEVIL CANYON-CASTAIC CONTRACT JN 2020

Invoice No: 20-002-DCC

Mr. Bradley Coffey, Group Manager Water Resource Management Group The Metropolitan Water District of Southern California

Date: June 30, 2019

Attn: Mr. David Reukema 700 North Alameda Street Los Angeles, California 90012-2944

Contract Number: 160157

fin dollars)

	Debt Service on Bonds	O.M.P.&R.			
Due on or Before	A/	Devil Canyon Facilities	Castaic Facilities	Total Payment Due	
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	
Total:	\$ 7,811,722	\$ 6,554,470	\$ 5,180,421	\$ 19,546,613	

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	Paym Devil Canyon Were Rei	ply Contract ents if -Castaic Cost mbursable bunder	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	57,457,040	6,145,141	57,457,040		
Transportation Charge Less Payments made under Article 17(a) of Devil	61,955,243		61,955,243			
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	45,921,369	3,724,106	38,109,647		
MINIMUM OMP&R COMPONENT:						
Delta Water Charge		92,381,352		92,381,352		
Transportation Charge Less Payments made under Article 17(b) of Devil		177,795,791	177,795,791			
Canyon-Castaic Contract			11,734,891	166,060,900		
Subtotal:				\$396,694,487		
DEVIL CANYON-CASTAIC CONTRACT CHARGES						
DEBT SERVICE				\$7,811,722		
OPERATION AND MAINTENANCE			-	11,734,891		
Subtotal:			-	\$19,546,613		
Total charges for Calendar Year 2020:		\$416,241,100	=	\$416,2 <u>41,100</u>		
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

Capital Cost Component (1)	Water Supply Contract Charges A/ (2)	Urban Rate Reduction Credit B/ (3)	Permanent Table A Transfer Credit C/ (4)	Adjusted Charges (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	\$117,745,702	(\$18,454,909)	(\$3,724,106)	\$95,566,687

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 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

Invoice No:

[in dollars]

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, 2019

20-013-0

Contract No:

160157

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
Total:	\$0	\$0	\$97,969	\$4,607,539	\$4,705,508

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	Invoice No:	20-014-U	
Water Resource Management Group The Metropolitan Water District of Southern California Attn: Mr. David Reukema	Date:	June 30, 2019	
700 North Alameda Street Los Angeles, California 90012-2944	Contract No:	160157	
[in dollars]			

Due on or Before	Amount Due
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:	\$0

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

Invoice No:

20-004-E

Mr. Bradley Coffey, Group Manager
Water Resource Management Group
The Metropolitan Water District of Southern Co

The Metropolitan Water District of Southern California

Attn: Mr. David Reukema 700 North Alameda Street

Los Angeles, California 90012-2944

Date:

June 30, 2019

Contract No:

160157

[in dollars]

	Са	pital Cost Compo	nent		
Due on or Before	Bond Principal 25 Percentage and Interest Bond Cover Charge Charge		Devil Canyon Second Afterbay Debt Service Charge	Minimum OMP&R Component	Total Payment Due
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
Total:	\$ 20,094,311	\$ 5,840,585	\$ 3,032,016	\$ 9,661,646	\$ 38,628,558

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:	19-007-TAB
Mr. Bradley Coffey, Group Manager		
Water Resource Management Group		
The Metropolitan Water District of Southern California	Date:	June 30, 2019
Attn: Mr. David Reukema		
700 North Alameda Street	•	
Los Angeles, California 90012-2944	Contract No:	160157

[in dollars]

		Capital Cost C		onent	T	
Due on or Before	Tehachapi Second Afterbay Debt Service Charge		25 Percentage Bond Cover Charge			Total Payment Due
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						
Total:	\$	2,735,764	\$	975,795	\$	3,711,559

TABLES A, C, D, E, F, AND G OF THE WATER SUPPLY CONTRACT BETWEEN THE STATE OF CALIFORNIA DEPARTMENT OF WATER RESOURCES

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

fin dollars	avcant.	uhoro	othenules	

		PROJECTED				ATION CHARGE	Duriel Mise Hoted)					
	ANNUAL	ALLOCATION OF CAPITAL COST	CAPITA	L COST COMPONEN		1	ESTIMATED	T		WATER SYSTEM		
CALENDAI	ENTITLEMENTS In-acre-feet	OF PROJECT TRANSPORTATION	ANNUAL	ANNUAL		MINIMUM	VARIABLE	TOTAL	DELTA	REVENUE	OFF-AQUEDUCT	
YEAR	(TABLE A)	FACILITIES	PAYMENT OF	INTEREST	TOTAL ANNUAL	OMP&R COMPONENT	OMP&R COMPONENT	TRANSPORTATION PAYMENT	WATER CHARGES	BOND SURCHARGE	POWER	TOTAL
		(Table C)	PRINCIPAL	PAYMENT	PAYMENT (Table G)	(Tables E & G)			0.50.050	SUNOFFICE	FACILITIES	PAYMENT
1960	0	0	0	0	0	(Tawas E a, G)	(Tables F & G) 0	(Table G) 0	0	0	0	
1961 1962	0	12,185,418	0	. 0	0	0	0	0	0	0	0	0
1963	0	10,092,764	65,929	1,276,315	1,341,244	0	0	1,341,244	0	0	0 0	0
1964 1965	0	17,056,137 31,951,962	123,575 221,554	1,182,375 480,152	1,305,950 701,706	0	0	1,305,950	0	0	0	1,341,244 1,305,960
1966	0	70,547,174	404,642	3,936,242	4,340,884	0	0	701,70 6 4,340,884	0	0	0	701,706
1967 1968	0	124,995,713 139,828,172	804,990 1,518,387	4,850,311 12,698,159	5,655,301	0	0	5,655,301	0	. 6	0 0	4,340,884 5,655,301
1969	ŏ	130,799,064	2,344,921	20,063,016	14,116,546 22,407,937	1,711,681 1,314,94 1	_ 0	15,828,107 23,722,878	0	0	0	15,828,107
1970	0	150,212,228	3,160,707	27,337,321	30,498,028	2,041,108	ō	32,539,136	ŏ	Ö	0 0	23,722,878 32,539,136
1971	О	115,361,861	4,119,135	25,709,703	29,828,838	2,845,650	o	32,674,388	0	D	0	
1972 1973	154,772 354,600	28,803,650 37,374,984	4,933,190 5,316,452	37,904,125 46,352,949	42,837,315	7,857,023	738,659	51,432,997	2,043,211	Ď	0	32,674,388 53,476,208
1974	464,900	16,707,208	5,763,757	47,787,959	51,669,401 63,551,716	6,934,684 7,472,377	1,280,232 1,753,039	61,884,317 62,777,132	2,317,893 4,231,933	0	0	64,202,210
1976 1976	555,200 655,600	14,681,381	6,119,860	44,068,887	50,188,747	12,965,036	4,163,244	67,317,027	5,073,286	0	0 0	67,009,065 72,390,313
1977	755,900	12,035,616 11,067,905	6,481,418 6,845,330	43,825,641 43,816,744	60,307,059 50,661,074	15,856,909 15,445,746	4,952,315 (231,716)	70,916,283 65,875,104	6,422,167 7,104,278	0	0]	77,338,450
1978 1979	856,300	15,187,698	7,220,783	44,308,381	51,529,164	12,906,948	7,850,079	72,286,191	9,016,389	0	0 0	72,979,382 81,302,580
1980	956,600 1,057,000	27,165,746 57,170,619	7,635,833 8,134,825	44,709,391 45,780,110	52,345,224 53,914,935	27,062,599 21,561,704	(3,971,767) 8,770,811	75,436,056	10,935,192	0	. 0	86,371,248
1981								84,247,450	13,102,796	0	0	97,350,246
1982	1,157,300 1,257,600	15,797,979 29,493, 8 01	8,819,161 9,311,198	66,430,644 28,876,671	75,249,805 38,187,869	14,924,917 36,966,206	8,679,376 9,181,112	98,854,098 84,335,186	20,910,099 23,998,560	0	0	119,764,197
1983	1,358,000	23,110,146	9,900,019	50,917,073	60,817,092	49,334,929	(5,993,116)	104,158,905	23,998,560 17,203,307	0	0 12,791,358	108,333,746 134,153,670
1984 1985	1,458,300 1,568,700	14,829,360 9,164,111	10,481,447 11,044,876	72,953,999 52,251,809	83,435,446 63,296,684	45,517,432 56,783,089	(7,893,940) (6,788,098)	121,058,938 113,291,675	18,766,458	0	39,229,567	179,054,963
1986	1,659,300	7,329,614	11,603,626	50,282,665	61,886,291	30,809,864	6,687,441	99,383,586	22,050,974 25,089,658	0	77,446,523 77,581,287	212,789,172 202,054,531
1987 1988	1,769,800 1,860,400	6,204,065 6,203,847	12,180,264 12,778,919	50,899,921 51,384,460	63,080,185 64,163,379	51,359,647 50,654,835	7,935,849 (8,903,510)	122,375,681	26,095,043	0	68,939,195	217,409,919
1989	1,961,000	17,262,370	13,407,116	51,680,199	65,087,315	69,131,749	(5,351,958)	105,914,704 128,867,106	28,781,238 32,505,376	2,642,354 4,587,641	79,936,309 68,311,546	217,274,605 234 ,2 71,669
1990	2,011,500	16,019,198	14,139,687	51,143,869	65,283,556	47,212,462	24,090,472	136,586,490	33,616,369	4,037,980	83,964,409	258,205,248
1991	2,011,500	18,859,032	14,903,424	51,228,573	66,131,997	59,177,025	20,546,087	145,855,109	35,676,185	6,259,893	54,214,229	242,005,416
1992 1993	2,011,600 2,011,600	19,184,149 25,797,106	15,729,249 16,603,139	61,029,318 48,114,062	66,758,567 64,717,201	72,160,742 62,491,809	(14,638,492) (45,642,508)	124,280,817 81,666,502	40,763,329	8,435,312	72,401,054	245,880,512
1994	2,011,500	14,175,365	17,679,456	48,372,600	65,951,956	72,700,847	10,248,885	148,901,688	40,859,579 39,156,173	8,885,273 8,926,765	55,312,615 72,838,621	186,723,969 269,823,237
1995 1996	2,011,600 2,011,500	14,182,954 19,741,116	18,512,107 19,494,669	49,059,384 48,064,826	67,571,491 67,559,395	65,023,889 68,296,146	(8,047,784) 8,093,981	124,547,596	41,903,674	10,539,430	40,862,813	217,853,613
1997	2,011,500	12,059,264	20,582,904	48,820,518	69,403,422	82,662,153	(1,594,566)	143,949,622 150,471,009	41,195,923 45,548,810	12,810,359 13,168,230	36,536,259 37,121,379	234,492,063 246,309,428
1998 1999	2,011,500 2,011,500	10,062,044 8,103,222	21,654,134 22,760,285	49,222,302 49,238,510	70,876,436 71,998,795	77,734,742 94,936,960	(8,107,455)	140,503,723	45,855,992	12,662,268	30,341,609	229,363,592
2000	2,011,500	4,735,580-	23,901,416	48,025,260	71,926,676	103,431,917	(8,535,154) 39,588,478	158,400,601 214,947,071	47,422,430 48,169,576	17,454,651 19,805,800	42,257,580 43,977,877	266,535,262 326,900,324
2001	2,011,500	2,616,653	25,060,087	47,628,901	72,688,988	61,532,014	94,286,088					
2002	2,011,500	6,241,416	26,248,584	46,746,615	72,996,199	88,214,191	68,188,773	228,507,090 229,398,183	48,180,135 48,898,394	19,490,499 20,091,004	49,405,276 45,412,974	345,583,000 343,900,635
2003 2004	2,011,500 2,011,500	4,242,014 3,482,645	27,529,192 28,858,831	44,556,330 43,376,681	72,085,522 72,235,512	113,391,880 77,477,460	83,653,491	269,130,893	47,869,376	20,920,403	41,917,356	379,838,02B
2006	1,911,500	6,130,204	30,241,973	36,471,086	68,713,059	58,088,434	92,165,160 112,260,560	241,878,132 237,062,053	47,414,032 49,246,383	20,941,743 19,770,593	58,678,035 56,220,579	368,909,942
2006 2007	1,911,500 1,911,500	11,665,893 9,609,040	31,734,753 33,397,274	33,236,895 31,987,839	64,971,648 65,385,113	83,620,114	115,993,559	264,585,321	47,416,073	20,330,228	60,701,335	362,299,608 393,032,957
2008	1,911,500	10,367,132	35,111,823	32,306,638	67,418,461	76,223,977 117,915,033	174,432,589 68,579,752	316,041,679 253,913,246	52,120,469 53,315,217	12,752,863 19,303,204	61,354,857 72,144,765	442,269,868
2009 2010	1,911,500 1,911,500	18,555,261 15,477,179	36,931,577 39,018,092	30,503,121 29,388,493	67,434,698 68,406,585	113,674,304	72,182,125	253,291,127	58,266,144	21,153,536	71,627,080	398,676,432 404,237,887
						128,045,953	82,902,324	277,354,882	72,806,845	20,240,944	88,263,840	458,666,491
2011 2012	1,911,500 1,911,500	10,617,979 13,835,844	41,158,944 43,307,448	27,633,201 26,681,437	68,792,145 69,968,885	108,471,604 91,298,718	110,349,261 131,264,463	285,613,010	80,142,822	21,860,932	80,381,761	467,998,525
2013	1,911,500	22,772,627	45,028,784	25,844,590	70,871,374	123,679,911	131,264,463 86,1 27 ,802	292,632,066 280,679,087	83,672,846 88,668,170	22,686,017 23,602,562	78,031,474 49,351,291	476,922,403 442,191,110
2014 2015	1,911,500 1,911,500	18,946,598 32,175,931	47,201,880 49,053,338	23,748,800 22,721,993	70,950,680 71,775,331	114,718,519	44,278,183	229,947,382	84,040,101	25,718,327	24,242,063	363,947,873
2016	1,911,600	48,297,863	50,682,721	22,756,367	73,439,088	187,457,029 165,658,546	101,555,175 167,676,086	360,787,535 408,773,720	114,375,290 136,710,965	24,614,614 24,546,439	14,384,861 3,266,601	514,162,200
2017 2018	1,911,500 1,911,500	27,352,253 30,307,196	51,029,131 47,951,171	21,763,184 21,371,997	72,792,316 69,323,168	141,023,234	189,750,566	403,566,105	131,657,554	22,620,690	2,393,010	571,297,725 560,237,259
2019	1,911,500	48 684 288	44,172,429	21,363,774	65,536,203	135,735,328 84,923,254	96,499,986 219,526,583	301,658,482 369,986,040	132,792,806 133,946,873	43,719,334 68,478,538	2,638,567 2,537,313	480,609,199
2020	1,911,500	64,797,444	41,595,173	20,360,070	61,955,243	177,795,791	191,235,122	430,986,156	165,983,533	42,685,548	4,705,508	564,948,764 634,360,745
2021	1,911,500	126,163,039	38,967,297	21,448,379	60,315,676	169,446,157	186,986,443	416,748,276	133,946,873	44,273,902	6,958,287	601,927,338
2022 2023	1,911,500 1,911,500	0 0	41,330,284 41,751,920	25,399,621 23,511,012	66,729,906 65,262,932	170,090,104	198,202,636	435,022,645	133,946,873	43,565,092	97,997	612,632,607
2024	1,911,600	0	41,751,480	21,607,939	63,359,419	170,049,034 171,749,523	191,977,567 188,641,687	427,289,533 423,750,629	133,946,873 133,946,873	44,274,136 43,307,991	97,992 97,992	605,608,534
2025 2026	1,911,500 1,911,600	0	42,815,627 44,033,183	19,692,892 17,727,612	62,508,519	173,467,020	193,664,454	429,639,993	133,946,873	41,459,986	97,992	601,103,485 605,144,844
2027	1,911,500	0	45,443,152	15,704,667	61,760,795 61,147,819	176,201,690 176,953,707	185,927,940 192,655,404	422,890,425 430,756,930	133,946,873 133,946,873	39,658,135 41,565,571	97,992	596,593,425
2028 2029	1,911,600 1,911,500	0	46,967,969 48,350,866	13,616,161	60,584,130	178,723,244	188,573,841	427,881,215	133,946,873	36,684,989	97,992 97,992	606,367,386 598,611,069
2030	1,911,500	0	49,180,521	11,459,752 9,246,543	59,810,618 58,427,064	180,510,476 182,315,579	187,119,165 188,004,280	427,440,259 428,746,923	133,946,873 133,946,873	37,819,290 30,071,855	97,992	599,404,414
2031	1,911,500	٥	48,502,857	7,012,500							97,992	592,863,643
2032	1,911,500	0	49,925,077	7,012,600 4,785,687	55,515,357 54,710,764	184,138,736 185,980,121	202,235,857 185,111,927	441,889,950 425,802,812	133,948,873 133,946,873	30,040,111 30,069,981	97,992	605,974,926
2033 2034	1,911,500 1,911,500	0	50,707,394	2,501,258	53,208,652	187,839,925	201,082,277	442,130,854	133,946,873	30,034,850	97,992 97,992	589,917,658 606,210,569
2034	1,911,500 1,911,500	0 0	51,854,590 53,481,219	177,059 (2,204,831)	52,031,649 51,276,388	189,718,322 191,615,507	181,474,638 230,091,217	423,224,609 472,983,112	133,946,873 133,946,873	30,031,577	97,992	587,301,051
TOTAL	109,260,272	1,848,876,921	1,846,876,924	2,316,096,607	4,162,973,531	6,281,831,974	5,243,616,967	15,688,422,472	4,412,433,021	29,992,441 1,188,693,671	97,992 1,869,850,956	637,020,418 23,159,400,120
											1,555,500,000	20,100,400,120

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)

Calculated Components as of O1101/2019 Current Overpayment (-) or Undersymment (-)				(in dollars)		
Components as of Oscillation Payment Received Component, this Component Compon	ļ	Calculated				
Vear 01/01/2018 Payment Received Underpayment Capitalized to 2020 Sistement Capitalized to 2020 Sistement Capitalized to 2020 Capitali					A	
1963	Year		Payment Received			
1963						
1,005,950			,	[""	. 19)	(0)
1964	1963	690,812	1,341,244	(650,432)	(8 489 345)	
1966	1964	1,260,513				
1966 3,900,172 4,340,884 (440,712) (6,024,875) 1968 14,345,147 14,116,546 22,601 2,381,688 1970 29,992,595 30,498,028 (1,505,433) (1,332,483) 1971 37,242,413 29,828,838 7,413,575 67,470,001 1972 44,062,125 42,837,316 1,224,810 10,655,709 1973 44,029,125 42,837,316 1,224,810 10,655,709 1974 43,322,678 53,551,716 (5,229,039) (44,658,101) 1974 43,322,678 53,551,716 (5,229,039) (44,658,101) 1975 49,225,084 50,189,747 (903,663) (46,673,30) 1977 50,827,166 50,661,074 166,092 1,153,444 1978 51,426,581 51,529,164 (102,583) (880,733) 1981 55,667,437 53,452,142 53,914,936 (277,523) (1,833,553) 1981 56,667,437 75,249,806 (1,882,388) (10,7789,590) 1982 57,465,063 38,187,869 19277,194 106,862,241 1988 69,313,580 83,435,448 (23,121,869) (17,729,590) 1986 61,665,346 61,866,291 (219,945) (104,113) (104,114)	1965		701,706	1		
1986			4,340,884			
1969				2,038,402	22,216,190	
1970 28,992,996 30,498,029 (1,505,433) (1,432,433) 1971 37,242,413 29,828,838 7,415,775 67,470,601 1973 40,629,831 51,669,401 (5,569,920) (44,656,101) 1974 48,322,678 53,551,716 (5,229,038) (44,570,866) 1975 49,285,084 50,189,747 (903,663) (44,670,866) 1976 50,137,295 50,307,059 (169,764) (1,233,256) 1977 50,627,166 50,681,074 166,092 1,183,444 1978 51,426,681 51,529,164 (102,683) (81,007) 1979 52,230,344 52,345,224 (114,890) (729,029) 1980 53,637,412 53,914,935 (277,523) (16,83,563) 1981 56,667,437 75,249,805 (116,682,366) (107,769,580) 1982 57,465,063 38,187,869 19,277,194 106,862,541 1988 60,344 62,345,249 (12,1868) (117,727,308) 1985 61,144,629 63,296,684 (12,186,563) (117,127,308) 1986 61,666,346 61,886,291 (219,945) (10,181,130) 1986 62,462,912 64,163,379 (17,104,67) (7,235,309) 1989 62,796,238 (65,887,315 (2,291,079) (9,264,228) 1990 63,762,459 66,508,156 (19,77),365 66,189,471 (19,384,144,145,145) 1989 62,796,238 (65,873,315 (2,291,079) (9,264,228) 1990 63,762,459 66,263,566 (1,821,097) (5,779,679) (9,264,228) 1990 63,762,459 66,263,566 (1,821,097) (5,779,679) (9,264,228) 1990 63,762,459 66,263,566 (1,821,097) (5,779,679) (9,264,228) 1990 63,762,459 66,263,566 (1,821,097) (5,779,679) (9,264,228) 1990 63,762,459 66,263,566 (1,821,097) (5,779,679) (9,264,228) 1990 63,762,459 66,263,566 (1,821,097) (5,779,679) (9,264,228) 1990 63,762,459 66,263,566 (1,821,097) (5,779,679) (9,264,228) 1990 63,762,459 66,263,566 (1,821,097) (5,779,679) (5,779,	1			228,601	2,381,688	
1971 37,242,413 29,828,38 7,413,575 07,470,601 1972 44,082,125 42,837,315 1,224,610 10,655,709 1973 46,289,581 51,669,401 (5,569,820) (44,656,101) 1974 48,322,676 53,651,716 (5,229,038) (44,570,868) 49,285,084 50,188,747 (903,663) (6,867,530) 1976 50,137,296 50,307,059 (169,764) (1,233,296) 1977 50,827,166 50,861,074 166,092 1,153,444 1978 51,426,581 51,529,164 (102,583) (681,007) 1978 51,426,581 51,529,164 (102,583) (681,007) 1979 52,230,344 62,345,224 (114,890) (729,029) 1980 53,637,412 53,914,935 (277,523) (1,683,535) 1981 50,667,437 76,249,005 (18,682,368) (107,759,590) 1982 57,465,063 38,167,869 19,277,194 106,862,541 1983 59,037,472 60,817,092 (1,779,820) (9,430,521) 1984 60,313,580 83,435,448 (23,121,866) (117,127,308) 1985 61,466,346 61,888,291 (219,945) (1,018,130) (1,018,130) 1986 61,666,346 61,888,291 (219,945) (1,018,130) (1,018,130) 1988 62,452,912 64,163,379 (1,710,467) (7,285,309) 1999 63,762,459 65,267,315 (6,237,164) (1,27,207,355,009) 1999 63,762,459 65,267,315 (2,291,079) (9,642,228) 1990 63,762,459 65,267,315 (2,291,079) (9,642,228) 1999 65,776,355 66,131,997 (1,464,642) (5,75,007) (5,879,670) (1,994 68,486,622 66,561,566 (1,527,207) (1,467,356 61,139,97 (1,454,642) (5,75,007) (5,879,670) (9,942,228) 1999 65,776,355 66,769,567 (982,214) (3,469,413) 1995 69,373,540 67,571,491 (1,906,762) (3,466,41) (3,479,479) 1994 68,486,622 66,561,566 (2,534,666 8,181,333 1997 71,50,953 69,403,422 (2,127,531 5,998,734 1999 72,197,423 71,996,795 918,628 2,366,804 70,276,439 920,537 2,479,190 2000 73,432,162 71,926,676 71,991 92,057,749 999 60,776,356 60,777,1491 1,802,049 5,560,241 72,906,360 69,403,422 2,127,531 5,998,734 1999 72,197,423 71,996,795 918,628 2,366,804 70,276,439 920,537 2,479,190 2000 73,432,162 71,926,676 71,593,999 92,057 2,479,190 2000 73,432,162 71,926,676 71,491 1,802,049 5,560,670 71,456,599 72,191,432 71,996,795 918,628 2,366,804 70,976,438 1,306,680 3,370,700 3,792,317 73,996,795 918,628 2,366,804 70,976,438 1,306,680 3,376,700 91,486,439 1,306,680 3,376,700 91,486,430 91,486,430 91,4					(5,482,458)	
1972	1	1			, , , ,	
1973						
1974						
1975		1				
1976 50,137,295 50,307,055 (189,764) (1,233,296) (197,759) (1,233,296) (1,234,296) (1,234,296) (1,234,296) (1,234,296) (1,234,296)						
1977						
1978						
1979 52,230,344 62,346,224 (114,880) (729,029) (183,553) (183,553) (185,523,58) (167,759,590) (1863,553) (185,523,58) (107,759,590) (1883,553) (107,759,590) (1883,553) (107,759,590) (1884,582,584) (187,7620) (1884,582,584) (187,7620) (1884,582,584) (1884,584,584) (1						
1981			52,345,224			•
1981				(277,523)		
1983				(18,582,368)	(107,759,590)	
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) (4,360,762) 1988 62,452,912 64,163,379 (1,710,467) (7,235,309) 1989 62,796,236 65,087,315 (2,291,079) (9,284,228) 1990 63,762,459 65,283,556 (1,521,097) (5,879,670) 1991 64,677,355 66,131,997 (1,454,642) (5,375,007) 1992 65,776,353 66,768,667 (982,214) (3,469,413) 1993 66,905,041 64,717,201 2,187,840 7,387,407 1994 68,486,622 65,951,956 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 1999 72,917,423 71,998,795 918,628 2,366,884 2000 73,432,162 71,926,876 1,505,486 3,708,009 73,432,162 71,926,876 1,505,486 3,708,009 73,432,162 71,926,876 1,505,486 3,708,009 74,256,539 72,085,522 2,171,017 4,670,976 2004 74,601,782 72,235,512 2,366,277 4,866,711 2005 68,499,909 66,713,059 1,786,850 3,513,084 2006 68,876,841 64,971,648 3,905,193 7,339,515 2007 69,805,880 65,385,113 4,220,767 7,583,034 2009 70,888,202 67,434,898 3453,504 5,669,767 2011 73,157,328 68,792,145 43,965,183 4,220,767 7,533,034 2019 72,113,606 68,405,885 3,206,686 5,622,708 2011 73,157,328 68,792,145 43,96,885 3,206,665 6,622,708 2013 74,246,181 70,871,374 3,374,807 4,226,594 71,775,331 4,419,788 5,198,666 72,783,316 72,993,168 5,202,777 7,533,034 72,2479,190 72,113,606 68,405,885 3,707,021 5,877,777 2,113,606 68,405,885 3,707,021 5,877,777 2,113,606 68,405,885 3,707,021 5,877,777 2,113,606 68,405,885 3,707,021 5,877,777 3,985,666 7,2792,315 4,208,330 4,817,608 2016 75,786,811 70,870,686 72,792,315 4,208,330 4,817,608 2016 75,786,811 70,870,686 72,792,315 4,208,330 4,817,608 2016 76,786,861 73,439,088 3,327,773 3,985,167 77,770,00,665 72,792,315 4,208,330 4,817,608 2016 76,786,861 73,439,088 3,327,773 3,985,167 77,770,00,665 72,792,315 4,208,330 4,817,608 2016 76,786,861 73,439,088 3,327,773 3,985,167 72,793,315 4,208,330 4,817,608 2016 76,786,861 73,439,0		. ,				
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10,090,965			65,536,203	2,801,584		
TOTAL (47,101,238)	2020	65,995,221				18,893,983
(41)101,2001	i			TOTAL	(47.101.238)	
				, , , ,	(-11,101,200)	·

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)

ĺ	Calculated		Current	Annual Difference	Adjusted Calculated
	Components as of	Payment	Overpayment (-)	Capitalized to	
Year	01/01/2019	Received	or Underpayment	2020	Component, thi Statement
			Tr Triangle Springer	2020	Otatement
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	51,262,231	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	166,609,997	,, ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	00,100,000	177,795,79
	· · ·		Total	11,185,794	177,700,70

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)

	_]	· · · · · · · · · · · · · · · · · · ·		· 	A altreate at
	Annual Quantities	Calculated		Current		Adjusted Calculated
	Delivered or	Components as of	Payments	Overpayment (-)	Annual Difference	Calculated Component, thi
Year	Requested	01/01/2019	Received	or Underpayment		Statement
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			1			. "
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)		
1986	708,840	1,135,478	6,687,441	(5,551,963)	(43,345,762)	
1987	712,424	(3,007,097)	7,935,849	(10,942,946)	(25,700,137)	
1988	902,564	(3,407,929)	(8,903,510)		(48,422,805)	
1989	1,156,698	9,488,536	(5,351,958)	5,495,581	23,246,420	
1990	1,396,423	30,759,725	24,090,472	14,840,494	60,009,169	•
1991	391,447	184,870		6,669,253	25,779,428	
1992	710,313	(9,471,028)	20,546,087	(20,361,217)	(75,236,154)	
1993	652,190	(21,473,875)	(14,638,492)	5,167,464	18,252,701	
1994	807,866		(45,542,508)	24,068,633	81,269,554	
1995	436,042	4,059,683 (4,895,977)	10,248,885	(6,189,202)	(19,977,350)	
1996	593,380		(8,047,784)	3,151,807	9,725,001	
1997		1,859,275	8,093,981	(6,234,706)	(18,389,623)	
1998	721,810	2,428,729	(1,594,566)	4,023,295	11,343,981	
	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)		
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	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(= 1,555,576)	(191,235,12
					.	101,200,12

Attachment 4C June 30, 2019

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 Amortization of Transportation Calculated Under "One-Shot" "One-Shot" Adjustment Components 1/1/2019 (Column 2 minus Column 1) Adjustment (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

^{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]

j					
	Calculated		Current	Annual Difference	Adjusted
Calendar	Component as of	Payments	Overpayment (-)	Capitalized to	Component, this
Year	01/01/2019	Received	or Underpayment	2020	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]

	Calculated		Current	Annual Difference	Adimeted
Calendar	Component as of	Payments	Overpayment (-)	Capitalized to	Adjusted
Year	01/01/2019	Received	or Underpayment	2020	Component, this Statement
	[1]	[2]	[3]	[4]	[5]
		- 1	1-1	,	[0]
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 2014	4,993,212	5,698,589	(705,377)	(748,965)	
	6,024,297	4,290,132	1,734,165	1,836,651	
2015 2016	7,147,692	2,139,332	5,008,360	5,292,001	
2017	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)	
2019	7,424,268	6,055,189	1,369,079	1,420,269	
2020	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

WATER DELIVERIES

VARIABLE O.M.P.&R. COMPONENT TRANSPORTATION CHARGE

DESCRIPTION (1)	ACRE-FEET (2)	UNIT CHARGE 11 (3)	AMOUNT (4)
Reach 10A Reach 12E Reach 14C Reach 19	60,000 30,000 0 10,000	22.4919585 22.4919585 0.0000000 184.4957654	1,349,518 674,759 0 1,844,958
East Branch Reach 26A, 28H and 28J VEBX-R1	563,902 0	168.8383776 0.0000000	95,208,299 0
West Branch Reach 30	482,998	177.0309915	85,505,614
	184,583,148		
Net adjustment per redete	ermination of pre-2020 cha	arges 2/	6,651,974
Estimated Year 2020 Replacement Accounting System (RAS) Charges 2/ Prior years RAS over and under adjustments 2/			2,512,137 478,069
Total Estimated 2020 Cha	arges	-	194,225,328

^{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)

(in dollars)								
Year	Capital	Minimum	Total East Branch					
rear]	Component	OMP&R	Enlargement					
 	[1]	Component	Transportation Charge					
	[1]	[2]	[3]					
1986	o i							
1987	ŏl	0	. 0					
1988	8,556,172	0	0					
1989	8,991,417	0	8,556,172					
1990	9,020,145	0	8,991,417					
	7,020,143	۷	9,020,145					
1991	9,009,739	86,529	0.004.54					
1992	18,053,820	- · · · · · · · · · · · · · · · · · · ·	9,096,268					
1993	18,754,578	339,060	18,392,880					
1994	18,705,728	(68,950)	18,685,628					
1995	16,729,731	(213,745) 2,839,696	18,491,983					
1	10,722,731	2,039,090	19,569,427					
1996	20,262,394	2 910 767	03.000.454					
1997	19,141,671	2,810,767	23,073,161					
1998	19,092,267	1,296,887	20,438,558					
1999	20,301,335	1,850,818	20,943,085					
2000		3,847,978	24,149,313					
2000	17,085,146	2,949,526	20,034,672					
2001	31,847,016	12.020.420						
2002	22,276,589	13,032,437	44,879,453					
2003	22,768,985	(5,934,164)	16,342,425					
2003		1,352,030	24,121,015					
2005	19,038,306	3,040,705	22,079,011					
2003	17,204,043	2,605,075	19,809,118					
2006	17 590 930							
2007	17,589,839	4,317,052	21,906,891					
	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	21 109 271							
2012	21,198,361	8,607,829	29,806,190					
	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	20.004.552							
2017	20,986,750	5,427,771	26,414,521					
2018	21,571,776	8,704,128	30,275,904					
2019	20,963,455	6,055,189	27,018,644					
	29,156,840	8,870,721	38,027,561					
2020	28,966,912	9,661,646	38,628,558					
2021	20.946.795							
2022	29,846,788	9,259,911	39,106,699					
	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	10.000.000							
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					
2021			, , ,					
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					
			- 0,500 1,7 1 1					
Fotal	818,655,729	257,901,377	1,076,557,106					
			Attachment 6					

Attachment 6 June 30, 2019

State of California California Natural Resources Agency Department of Water Resources State Water Project Municipal Water Quality Investigations Costs¹ 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				

 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.

> Attachment 8 June 30, 2019

State of California California Natural Resources Agency Department of Water Resources State Water Project Permanent Table A Transfer Credit¹

for THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

(in dollars)

(In dollars)					
State Water Project Repayment Reach	2020 Credit				
Tropayment Treach					
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	(333)				
CA-R8C	(46)				
CA-R8D	(756)				
CA-R9	(28,821)				
CA-R10A	(32,204)				
CA-R11B	(32,204)				
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)				
Total	(3,724,106)				

¹ 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	"n"	Compound Amount	Calendar ·	"n"	Compound Amount
Year	Years	Factor	Year	Years	Factor
1962	58	13.65355429	1992	00	
1963	57	13.05186339		28	3.53223556
1964	56	12.47668807	1993	27	3.37657543
1965	55	11.92685983	1994	26	3.2277750
1966	55 54		1995	. 25	3.08553198
1967	54 53	11.40126167	1996	24	2.94955739
1968		10.89882580	1997	23	2.81957498
	52	10.41853150	1998	22	2.69532070
1969	51	9.95940302	1999	· 21	2.5765421
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	2.05670139
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	1.7174275
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	1.4341204
1983	37	5.29917763	2013	7	1.37092098
1984	36	5.06565111	2014	6	1.31050660
1985	35	4.84241575	2015	5	1.2527546
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	Ó	1.00000000
1991	29	3.69507162	2020	v	1.00000000

^{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,

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 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
IIIAOICE IAO.	40-001-1AD

Mr. Bradley Coffey, Group Manager Water Resource Management Group The Metropolitan Water District of Southern California Attn: Mr. David Reukema

Date: December 20, 2019

700 North Alameda Street Los Angeles, California 90012-2944

Contract No: 160157

[in dollars]

	Capital Cost Component					
Due on or Before	Tehachapi Second Afterbay Debt Service Charge		25 Percentage Bond Cover Charge		Total Payment Due	
January 1				<u> </u>		
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						
Total:	\$	2,735,764	\$	975,795	\$	3,711,559