

DEPARTMENT OF WATER RESOURCES

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



July 1, 2015

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

Dear Mr. Upadhyay:

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 2016.

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

Invoice No. 16-014-T, Attachment 1:

Water System Revenue Bond Surcharge		\$44,298,522
Capital Cost Component		
Delta Water Charge	\$45,261,835	
Less Rate Management Credit Under Monterey Amendment	<u>6,144,436</u>	
		39,117,399
Transportation Charge	65,658,389	
Less Rate Management Credit Under Monterey Amendment	12,920,290	
Less Permanent Table A Transfer Credit	<u>3,647,854</u>	
		49,090,245
Minimum Operation, Maintenance, Power and Replacement Component		
Delta Water Charge	98,518,301	
Transportation Charge	<u>156,633,839</u>	
		\$387,658,306
Total for Invoice No. 16-014-T		<u>\$387,658,306</u>

Devil Canyon-Castaic Contract Charges, Invoice No. 16-002-DCC, Attachment 1A:

Article 17 (a)		
Debt Service		\$7,780,699
Article 17 (b)		
Operation and Maintenance		<u>9,024,707</u>
Total for Invoice No. 16-002-DCC		<u>\$16,805,406</u>

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

Mr. Devendra N. Upadhyay, Group Manager
July 1, 2015
Page Two

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 2016 are:

Variable Operation, Maintenance,
Power and Replacement Component

Transportation Charge \$165,963,416

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 2016. 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 2016 Off-Aqueduct Facility charge, Invoice No. 16-013-O, Attachment 1-1 is:

Minimum Operation, Maintenance,
Power and Replacement Component

Off-Aqueduct Power Facilities \$9,948,844

The 2016 Replacement Account System Charge for Conservation Facilities, Invoice No. 16-014-U, Attachment 1-2 is:

Conservation Replacement Account System Charge \$0

The 2016 East Branch Enlargement Facilities Transportation Charge, Invoice No. 16-004-E, Attachment 1-3 is:

Capital Cost Component \$29,837,510
Minimum Operation, Maintenance, Power and Replacement Component 5,427,771

Total East Branch Enlargement Facilities \$35,265,281

The 2016 Tehachapi Second Afterbay Facilities Transportation Charge, Invoice No. 16-007-TAB, Attachment 1-6 is:

Capital Cost Component

Tehachapi Second Afterbay Facilities \$5,413,533

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 Minimum charge in Attachment 4B includes a line item credit of \$627,660 to offset the 2015 Delta Utility Planning Charge of \$600,000 included in the 2015 Statement of Charges. The credit includes interest at the project interest rate.

Mr. Devendra N. Upadhyay, Group Manager
July 1, 2015
Page Three

The Transportation and Conservation Capital charges include the reduction for the projected 2016 Rate Management Credit under the Monterey Amendment

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,



Perla Netto-Brown, Chief
Division of Fiscal Services

Enclosures
Overnight Mail

cc: (See attached list)

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

Ms. Ingrid Sheipline
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 2016

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

Invoice No: 16-014-T

Date: June 30, 2015

Contract No: 160157

[in dollars]

Due on or Before	Water System Revenue Bond		Capital Cost Component C/		Minimum O.M.P.&R. Component		Total Payment Due
	Surcharge	25 Percent Bond Cover Charge	Delta Water Charge A/	Transportation Charge D/	Delta Water Charge B/	Transportation Charge	
January 1	\$ 12,273,220	\$ 9,876,042	\$ 19,558,700	\$ 24,545,123	\$ 8,209,859	\$ 13,052,820	\$ 87,515,764
February 1					8,209,859	13,052,820	21,262,679
March 1					8,209,859	13,052,820	21,262,679
April 1					8,209,859	13,052,820	21,262,679
May 1					8,209,859	13,052,820	21,262,679
June 1					8,209,858	13,052,820	21,262,678
July 1	12,273,219	9,876,041	19,558,699	24,545,122	8,209,858	13,052,820	87,515,759
August 1					8,209,858	13,052,820	21,262,678
September 1					8,209,858	13,052,820	21,262,678
October 1					8,209,858	13,052,820	21,262,678
November 1					8,209,858	13,052,820	21,262,678
December 1					8,209,858	13,052,819	21,262,677
Total:	\$ 24,546,439	\$ 19,752,083	\$ 39,117,399	\$ 49,090,245	\$ 98,518,301	\$ 156,633,839	\$ 387,658,306

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 @ \$23.67869995
- B/ 1,911,500 acre feet @ \$51.53978600
- C/ Charges under the Capital Cost Component have been reduced by:
 - Urban Rate Reduction Credit (\$19,064,726)
 - Agricultural Rate Reduction Credit \$0
- D/ Permanent Table A Transfer Credit (\$3,647,854)

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

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

CHARGES UNDER THE
 DEVIL CANYON-CASTAIC CONTRACT
 IN 2016

Invoice No: 16-002-DCC

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

Date: June 30, 2015

Contract Number: 160157

[in dollars]

Due on or Before	Debt Service on Bonds A/	O.M.P.&R. Component B/		Total Payment Due
		Devil Canyon Facilities	Castaic Facilities	
January 1	\$ 3,890,350	\$ 434,507	\$ 317,553	\$ 4,642,410
February 1		434,507	317,553	752,060
March 1		434,507	317,553	752,060
April 1		434,507	317,553	752,060
May 1		434,506	317,553	752,059
June 1		434,506	317,553	752,059
July 1	3,890,349	434,506	317,553	4,642,408
August 1		434,506	317,552	752,058
September 1		434,506	317,552	752,058
October 1		434,506	317,552	752,058
November 1		434,506	317,552	752,058
December 1		434,506	317,552	752,058
Total:	\$ 7,780,699	\$ 5,214,076	\$ 3,810,631	\$ 16,805,406

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 2016
FOR
THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Water Supply Contract Charges	Water Supply Contract Payments if Devil Canyon-Castaic Cost Were Reimbursable Thereunder	Payments Due Under The Devil Canyon-Castaic Contract and the Water Supply Contract
WATER SYSTEM REVENUE BOND SURCHARGE	\$44,298,522	\$44,298,522
CAPITAL COST COMPONENT:		
Delta Water Charge	\$45,261,835	\$45,261,835
Less Urban Rate Reduction Credit	6,144,436	39,117,399
Transportation Charge	73,439,088	73,439,088
Less Payments made under Article 17(a) of Devil Canyon-Castaic Contract		7,780,699
Less Urban Rate Reduction Credit	12,920,290	12,920,290
Less Permanent Table A Transfer Credit	3,647,854	56,870,944
		49,090,245
MINIMUM OMP&R COMPONENT:		
Delta Water Charge	98,518,301	98,518,301
Transportation Charge	165,658,546	165,658,546
Less Payments made under Article 17(b) of Devil Canyon-Castaic Contract		9,024,707
		156,633,839
Subtotal:		\$387,658,306
<u>DEVIL CANYON-CASTAIC CONTRACT CHARGES</u>		
DEBT SERVICE		\$7,780,699
OPERATION AND MAINTENANCE		9,024,707
Subtotal:		\$16,805,406
Total charges for Calendar Year 2016:	\$404,463,712	\$404,463,712

A/ In compliance with Article 22.

Attachment 1B
June 30, 2015

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 2016

<u>Capital Cost Component</u> (1)	<u>Water Supply Contract Charges A/</u> (2)	<u>Urban Rate Reduction Credit B/</u> (3)	<u>Permanent Table A Transfer Credit C/</u> (4)	<u>Adjusted Charges</u> (5)
Delta Water Charge	\$45,261,835	(\$6,144,436)	\$0	\$39,117,399
Transportation Charge	65,658,389	(12,920,290)	(3,647,854)	49,090,245
Total	<u>\$110,920,224</u>	<u>(\$19,064,726)</u>	<u>(\$3,647,854)</u>	<u>\$88,207,644</u>

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

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

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

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

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

OFF-AQUEDUCT POWER FACILITIES
 MINIMUM OMP&R COMPONENT OF THE TRANSPORTATION CHARGE
 IN 2016

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

Invoice No: 16-013-O
 Date: June 30, 2015
 Contract No: 160157

[in dollars]

Due on or Before	Debt Service	Cover	Maintenance	RG4 Separation	Amount
January 1	\$415,358	\$103,840	\$2,630	\$307,245	\$829,073
February 1	415,358	103,840	2,630	307,244	829,072
March 1	415,357	103,840	2,630	307,244	829,071
April 1	415,357	103,840	2,630	307,244	829,071
May 1	415,357	103,839	2,630	307,244	829,070
June 1	415,357	103,839	2,630	307,244	829,070
July 1	415,357	103,839	2,630	307,244	829,070
August 1	415,357	103,839	2,630	307,244	829,070
September 1	415,357	103,839	2,630	307,244	829,070
October 1	415,357	103,839	2,629	307,244	829,069
November 1	415,357	103,839	2,629	307,244	829,069
December 1	415,357	103,839	2,629	307,244	829,069
Total:	\$4,984,286	\$1,246,072	\$31,557	\$3,686,929	\$9,948,844

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

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

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

CONSERVATION REPLACEMENT ACCOUNT SYSTEM CHARGE

IN 2016

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

Invoice No: 16-014-U

Date: June 30, 2015

Contract No: 160157

[in dollars]

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

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

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

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

EAST BRANCH ENLARGEMENT FACILITIES
 CAPITAL AND MINIMUM OMP&R COMPONENT OF THE TRANSPORTATION CHARGE
 IN 2016

Invoice No: 16-004-E

Date: June 30, 2015

Contract No: 160157

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

[in dollars]

Due on or Before	Capital Cost Component			Minimum OMP&R Component	Total Payment Due
	Bond Principal and Interest Charge	25 Percentage Bond Cover Charge	Devil Canyon Second Afterbay Debt Service Charge		
January 1				\$ 452,315	\$ 452,315
February 1				452,315	452,315
March 1	\$ 3,975,100	\$ 2,983,610	\$ 606,610	452,315	8,017,635
April 1				452,314	452,314
May 1				452,314	452,314
June 1				452,314	452,314
July 1				452,314	452,314
August 1				452,314	452,314
September 1	17,011,650	2,983,610	2,276,930	452,314	22,724,504
October 1				452,314	452,314
November 1				452,314	452,314
December 1				452,314	452,314
Total:	\$ 20,986,750	\$ 5,967,220	\$ 2,883,540	\$ 5,427,771	\$ 35,265,281

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

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

STATE WATER RESOURCES DEVELOPMENT SYSTEM

INVOICE FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

TEHACHAPI SECOND AFTERBAY FACILITIES
 CAPITAL COMPONENT OF THE TRANSPORTATION CHARGE
 IN 2016

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

Invoice No: 16-007-TAB

Date: June 30, 2015

Contract No: 160157

[in dollars]

Due on or Before	Capital Cost Component		Total Payment Due
	Tehachapi Second Afterbay Debt Service Charge	25 Percentage Bond Cover Charge	
January 1			
February 1			
March 1	\$ 2,165,414	\$ 541,353	\$ 2,706,767
April 1			
May 1			
June 1			
July 1			
August 1			
September 1	2,165,413	541,353	2,706,766
October 1			
November 1			
December 1			
Total:	\$ 4,330,827	\$ 1,082,706	\$ 5,413,533

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

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

FOR THE

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

(in dollars)

Year	Calculated Components as of 01/01/2015	Payment Received	Current Overpayment (-) or Underpayment	Annual Difference Capitalized to 2016	Adjusted Calculated Component, this Statement
(1)	(2)	(3)	(4)	(5)	(6)
1963	690,812	1,341,244	(650,432)	(7,088,941)	
1964	1,260,513	1,305,950	(45,437)	(473,387)	
1965	2,180,589	701,706	1,478,883	14,728,790	
1966	3,900,172	4,340,884	(440,712)	(4,195,804)	
1967	7,693,703	5,655,301	2,038,402	18,551,403	
1968	14,345,147	14,116,546	228,601	1,988,804	
1969	21,857,456	22,407,937	(550,481)	(4,578,071)	
1970	28,992,595	30,498,028	(1,505,433)	(11,968,194)	
1971	37,242,413	29,828,838	7,413,575	56,340,640	
1972	44,062,125	42,837,315	1,224,810	8,897,941	
1973	46,299,581	51,669,401	(5,369,820)	(37,291,293)	
1974	48,322,678	53,551,716	(5,229,038)	(34,713,329)	
1975	49,285,084	50,188,747	(903,663)	(5,734,661)	
1976	50,137,295	50,307,059	(169,764)	(1,029,851)	
1977	50,827,166	50,661,074	166,092	963,172	
1978	51,426,581	51,529,164	(102,583)	(568,668)	
1979	52,230,344	52,345,224	(114,880)	(608,768)	
1980	53,637,412	53,914,935	(277,523)	(1,405,833)	
1981	56,667,437	75,249,805	(18,582,368)	(89,983,550)	
1982	57,465,063	38,187,869	19,277,194	89,234,478	
1983	59,037,472	60,817,092	(1,779,620)	(7,874,861)	
1984	60,313,580	83,435,446	(23,121,866)	(97,805,967)	
1985	61,144,629	63,296,684	(2,152,055)	(8,702,071)	
1986	61,666,346	61,886,291	(219,945)	(850,179)	
1987	62,094,710	63,080,185	(985,475)	(3,641,402)	
1988	62,452,912	64,163,379	(1,710,467)	(6,041,771)	
1989	62,796,236	65,087,315	(2,291,079)	(7,735,999)	
1990	63,762,459	65,283,556	(1,521,097)	(4,909,759)	
1991	64,677,355	66,131,997	(1,454,642)	(4,488,345)	
1992	65,776,353	66,758,567	(982,214)	(2,897,098)	
1993	66,905,041	64,717,201	2,187,840	6,168,779	
1994	68,486,622	65,951,956	2,534,666	6,831,739	
1995	69,373,540	67,571,491	1,802,049	4,643,056	
1996	70,251,056	67,559,395	2,691,661	6,629,555	
1997	71,530,953	69,403,422	2,127,531	5,009,182	
1998	72,283,436	70,876,436	1,407,000	3,166,736	
1999	72,917,423	71,998,795	918,628	1,976,443	
2000	73,432,162	71,926,676	1,505,486	3,096,335	
2001	73,741,965	72,688,988	1,052,977	2,070,222	
2002	73,915,736	72,995,199	920,537	1,730,080	
2003	74,227,711	72,085,522	2,142,189	3,848,659	
2004	74,463,765	72,235,512	2,228,253	3,826,864	
2005	68,352,994	66,713,059	1,639,935	2,692,352	
2006	68,688,723	64,971,648	3,717,075	5,833,556	
2007	69,408,562	65,385,113	4,023,449	6,036,112	
2008	70,014,748	67,418,461	2,596,287	3,723,387	
2009	70,657,492	67,434,698	3,222,794	4,418,196	
2010	71,883,769	68,406,585	3,477,184	4,556,873	
2011	72,927,843	68,792,145	4,135,698	5,181,015	
2012	73,658,352	69,968,885	3,689,467	4,418,313	
2013	74,011,669	70,871,374	3,140,295	3,594,926	
2014	75,136,495	70,950,680	4,185,815	4,580,643	
2015	75,616,144	71,775,331	3,840,813	4,017,872	
2016	77,581,266				21,749,587
			TOTAL	(55,831,679)	

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

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

(in dollars)

Year	Calculated Components as of 01/01/2015	Payment Received	Current Overpayment (-) or Underpayment	Annual Difference Capitalized to 2016	Adjusted Calculated Component, this Statement
1968	972,734	1,711,561	(738,827)	(6,427,713)	
1969	1,295,607	1,314,941	(19,334)	(160,788)	
1970	1,624,569	2,041,108	(416,539)	(3,311,490)	
1971	2,716,584	2,845,550	(128,966)	(980,097)	
1972	8,038,463	7,857,023	181,440	1,318,117	
1973	9,890,316	8,934,684	955,632	6,636,488	
1974	11,581,491	7,472,377	4,109,114	27,278,639	
1975	13,584,548	12,965,036	619,512	3,931,434	
1976	12,862,489	15,656,909	(2,794,420)	(16,951,956)	
1977	16,203,699	15,445,746	757,953	4,395,388	
1978	17,811,770	12,906,948	4,904,822	27,189,732	
1979	16,414,289	27,062,599	(10,648,310)	(56,427,284)	
1980	20,926,898	21,561,704	(634,806)	(3,215,708)	
1981	23,731,024	14,924,917	8,806,107	42,642,833	
1982	27,994,510	36,966,205	(8,971,695)	(41,530,139)	
1983	38,953,367	49,334,929	(10,381,562)	(45,938,666)	
1984	45,597,671	45,517,432	80,239	339,414	
1985	50,064,444	56,783,089	(6,718,645)	(27,167,579)	
1986	52,858,915	30,809,854	22,049,061	85,228,758	
1987	50,737,631	51,359,647	(622,016)	(2,298,394)	
1988	51,262,231	50,654,835	607,396	2,145,467	
1989	52,638,942	69,131,749	(16,492,807)	(55,689,206)	
1990	61,053,824	47,212,462	13,841,362	44,676,803	
1991	60,874,529	59,177,025	1,697,504	5,237,702	
1992	67,460,598	67,160,742	(4,700,144)	(13,863,344)	
1993	68,749,547	62,491,809	6,257,738	17,644,161	
1994	63,898,029	72,700,847	(8,802,818)	(23,726,419)	
1995	68,079,888	65,023,889	3,055,999	7,873,911	
1996	72,757,439	68,296,146	4,461,293	10,988,156	
1997	75,655,465	82,662,153	(7,006,688)	(16,496,947)	
1998	80,540,695	77,734,742	2,805,953	6,315,358	
1999	86,320,578	94,936,960	(8,616,382)	(18,538,278)	
2000	82,432,338	103,431,917	(20,999,579)	(43,189,863)	
2001	93,007,571	61,532,014	31,475,557	61,883,013	
2002	85,447,421	88,214,191	(2,766,770)	(5,199,935)	
2003	82,473,079	113,391,880	(30,918,801)	(55,548,748)	
2004	99,691,395	77,477,460	22,213,935	38,150,824	
2005	74,389,347	58,088,434	16,300,913	26,761,913	
2006	76,901,456	83,620,114	(6,718,658)	(10,544,222)	
2007	105,666,485	76,223,977	29,442,508	44,170,633	
2008	114,321,313	117,915,033	(3,593,720)	(5,153,827)	
2009	100,435,901	113,674,304	(13,238,403)	(18,148,805)	
2010	98,856,903	126,045,953	(27,189,050)	(35,631,430)	
2011	105,971,618	106,471,604	(499,986)	(626,360)	
2012	119,300,543	91,298,718	28,001,825	33,533,520	
2013	136,166,527	123,679,911	12,486,616	14,294,348	
2014	147,073,338	114,718,519	32,354,819	35,406,695	
2015	157,612,421	188,857,029	(29,244,608)	(30,592,783)	
2016	155,602,880				166,286,206
			Total	10,683,326	
					Delta Utility Planning Credit (627,660)
					Net Minimum Charges: 165,658,546

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

FOR

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

(In dollars)

Year	Annual Quantities Delivered or Requested	Calculated Components as of 01/01/2015	Payments Received	Current Overpayment (-) or Underpayment	Annual Difference Capitalized to 2016	Adjusted Calculated Component, this Statement
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1972	71,938	848,011	738,659	109,352	794,418	
1973	159,883	1,083,328	1,280,232	(196,904)	(1,367,420)	
1974	277,717	1,872,297	1,753,039	119,258	791,701	
1975	526,491	3,887,152	4,163,244	(276,092)	(1,752,084)	
1976	618,451	5,485,263	4,952,315	532,948	3,233,055	
1977	189,755	(796,686)	(231,716)	(564,970)	(3,276,275)	
1978	507,565	3,696,428	7,850,079	(4,153,651)	(23,025,638)	
1979	477,074	4,021,960	(3,971,767)	7,993,727	42,360,181	
1980	531,727	5,362,245	8,770,811	(3,408,566)	(17,266,604)	
1981	795,846	10,862,932	8,679,376	2,183,556	10,573,687	
1982	691,192	7,685,168	9,181,112	(1,495,944)	(6,924,753)	
1983	343,521	(8,994,497)	(5,993,116)	(3,001,381)	(13,281,186)	
1984	457,582	(7,633,741)	(7,893,940)	260,199	1,100,647	
1985	683,625	(15,739,366)	(6,788,098)	(8,951,268)	(36,195,438)	
1986	708,840	1,135,478	6,687,441	(5,551,963)	(21,460,638)	
1987	712,424	(3,007,097)	7,935,849	(10,942,946)	(40,434,971)	
1988	902,564	(3,407,929)	(8,903,510)	5,495,581	19,411,687	
1989	1,156,698	9,488,536	(5,351,958)	14,840,494	50,110,046	
1990	1,396,423	30,759,725	24,090,472	6,669,253	21,526,849	
1991	391,447	184,870	20,546,087	(20,361,217)	(62,825,185)	
1992	710,313	(9,471,028)	(14,638,492)	5,167,464	15,241,733	
1993	652,190	(21,473,875)	(45,542,508)	24,068,633	67,863,315	
1994	807,866	4,059,683	10,248,885	(6,189,202)	(16,681,883)	
1995	436,042	(4,895,977)	(8,047,784)	3,151,807	8,120,763	
1996	593,380	1,859,275	8,093,981	(6,234,706)	(15,356,068)	
1997	721,810	2,428,729	(1,594,566)	4,023,295	9,472,676	
1998	410,065	(14,593,773)	(8,107,455)	(6,486,318)	(14,598,756)	
1999	852,617	(9,859,076)	(8,535,154)	(1,323,922)	(2,848,439)	
2000	1,522,412	(14,604,199)	39,588,478	(54,192,677)	(111,458,152)	
2001	970,869	160,786,985	94,286,088	66,500,897	130,745,134	
2002	1,408,919	59,840,151	68,188,773	(8,348,622)	(15,690,603)	
2003	1,649,639	94,319,637	83,653,491	10,666,146	19,162,808	
2004	1,582,735	107,170,733	92,165,160	15,005,573	25,770,984	
2005	1,528,045	113,937,486	112,260,560	1,676,926	2,753,081	
2006	1,512,186	82,219,262	115,993,559	(33,774,297)	(53,005,184)	
2007	1,350,477	137,454,206	174,432,589	(36,978,383)	(55,476,204)	
2008	719,069	83,471,257	68,579,752	14,891,505	21,356,212	
2009	787,605	60,622,818	72,182,125	(11,559,307)	(15,846,896)	
2010	1,150,524	91,428,005	82,902,324	8,525,681	11,172,962	
2011	1,540,663	132,154,342	110,349,261	21,805,081	27,316,416	
2012	1,214,897	103,759,549	131,264,463	(27,504,914)	(32,938,445)	
2013	789,290	108,546,539	86,127,802	22,418,737	25,664,378	
2014	282,130	69,452,660	44,278,183	25,174,477	27,549,065	
2015	460,806	84,895,970	64,133,515	20,762,455	21,719,605	
2016	1,166,900	159,435,144				161,535,725
				TOTAL	2,100,581	

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 2016

Transportation Components	Transportation Charges		
	Calculated 1/1/2015	Under "One-Shot" Adjustment	Amortization of "One-Shot" Adjustment (Column 2 minus Column 1)
	(1)	(2)	(3)
Capital Cost Component	77,581,266	21,749,587	(55,831,679)
Capital Cost Component difference to be amortized			(55,831,679)
Divided by remaining water deliveries 1/			25,764,768 *
Unit rate for amortizing difference 2/			(2.166978)
Unit rate applied to 2016 deliveries of		1,911,500 acre feet	(4,142,178)
Plus calculated 2016 Capital Cost Component			<u>77,581,266</u>
Adjusted Capital Cost Component			<u><u>73,439,088</u></u>

1/ Reduced to present worth at 4.610%

2/ Per acre-foot of remaining deliveries.

* Acre-feet

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

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

[in dollars]

Calendar Year	Calculated Component as of 01/01/2015	Payments Received	Current Overpayment (-) or Underpayment	Annual Difference Capitalized to 2016	Adjusted Component, this Statement
	[1]	[2]	[3]	[4]	[5]
1988	8,552,529	8,556,172	(3,643)	(10,785)	
1989	8,978,504	8,991,417	(12,913)	(35,351)	
1990	8,983,597	9,020,145	(36,548)	(91,903)	
1991	8,983,717	9,009,739	(26,022)	(60,347)	
1992	17,989,315	18,053,820	(64,505)	(139,521)	
1993	18,742,682	18,754,578	(11,896)	(24,451)	
1994	18,591,099	18,705,728	(114,629)	(225,462)	
1995	18,556,603	16,729,731	1,826,872	3,430,080	
1996	18,647,406	20,262,394	(1,614,988)	(2,864,778)	
1997	19,545,322	19,141,671	403,651	677,996	
1998	19,966,108	19,092,267	873,841	1,389,366	
1999	20,947,475	20,301,335	646,140	972,742	
2000	22,957,586	17,085,146	5,872,440	8,400,648	
2001	22,965,748	31,847,016	(8,881,268)	(11,940,975)	
2002	22,425,318	22,276,589	148,729	190,689	
2003	19,087,337	22,768,985	(3,681,648)	(4,598,067)	
2004	20,695,237	19,038,306	1,656,931	2,034,176	
2005	15,518,826	17,204,043	(1,685,217)	(2,035,479)	
2006	21,996,926	17,589,839	4,407,087	5,167,681	
2007	21,205,488	20,041,387	1,164,101	1,304,379	
2008	19,895,328	21,870,151	(1,974,823)	(2,104,418)	
2009	20,447,424	20,084,800	362,624	374,635	
2010	20,995,084	20,584,992	410,092	418,548	
2011	20,222,785	21,198,361	(975,576)	(990,568)	
2012	20,463,459	21,513,121	(1,049,662)	(1,061,168)	
2013	17,634,660	16,714,447	920,213	927,056	
2014	18,653,166	18,442,404	210,762	211,790	
2015	30,203,013	29,524,520	678,493	680,216	
2016	29,840,781	0	0	0	29,837,510
				(3,271)	

* Included in the 2016 calculated component is \$5,967,220 for East Branch Enlargement Bond Cover and \$2,883,540 for Devil Canyon Second Afterbay Debt Service.

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

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

[in dollars]

Calendar Year	Calculated Component as of 01/01/2015	Payments Received	Current Overpayment (-) or Underpayment	Annual Difference Capitalized to 2016	Adjusted Component, this Statement
	[1]	[2]	[3]	[4]	[5]
1991	0	86,529	(86,529)	(200,667)	
1992	0	339,060	(339,060)	(733,371)	
1993	0	(68,950)	68,950	141,717	
1994	2,174,776	(213,745)	2,388,521	4,697,949	
1995	1,895,643	2,839,696	(944,053)	(1,772,526)	
1996	1,990,213	2,810,767	(820,554)	(1,455,556)	
1997	2,642,077	1,296,887	1,345,190	2,259,459	
1998	2,915,152	1,850,818	1,064,334	1,692,241	
1999	1,599,082	3,847,978	(2,248,896)	(3,385,636)	
2000	2,768,399	2,949,526	(181,127)	(259,106)	
2001	2,113,906	13,032,437	(10,918,531)	(14,680,100)	
2002	2,718,584	(5,934,164)	8,652,748	11,093,898	
2003	3,164,973	1,352,030	1,812,943	2,264,213	
2004	3,415,840	3,040,705	375,135	460,545	
2005	3,167,798	2,605,075	562,723	679,682	
2006	3,352,944	4,317,052	(964,108)	(1,130,498)	
2007	4,445,333	4,321,833	123,500	138,382	
2008	4,679,998	3,665,831	1,014,167	1,080,720	
2009	4,859,759	7,003,623	(2,143,864)	(2,214,872)	
2010	4,530,150	4,362,778	167,372	170,823	
2011	4,661,890	8,607,829	(3,945,939)	(4,006,577)	
2012	4,394,226	6,041,609	(1,647,383)	(1,665,441)	
2013	5,186,789	5,698,589	(511,800)	(515,606)	
2014	6,068,982	4,290,132	1,778,850	1,787,528	
2015	6,013,603	2,139,332	3,874,271	3,884,112	
2016	7,096,458	0	0	0	5,427,771
				(1,668,687)	

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 2016
 For

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

	VARIABLE O.M.P.&R. COMPONENT TRANSPORTATION CHARGE		
WATER DELIVERIES			
DESCRIPTION (1)	ACRE-FEET (2)	UNIT CHARGE 1/ (3)	AMOUNT (4)
Reach 12E	226,938	21.51657000	4,882,927
East Branch Reach 26A, 28H and 28J VEBX-R1	438,042 0	166.27082000 132.71490280	72,833,603 0
West Branch Reach 30	501,920	162.81203000	81,718,614
		Sub total	159,435,144
			Net adjustment per redetermination of pre-2016 charges 2/ 2,100,581
			Estimated Year 2016 Replacement Accounting System (RAS) Charges 2/ 883,248
			Prior years RAS over and under adjustments 2/ 3,544,443
			Total Estimated 2016 Charges 165,963,416

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

2/ Will be applied 1/12 monthly to the actual 2016 water delivery billings.

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

Year	Capital Component	Minimum OMP&R Component	Total East Branch Enlargement Transportation Charge
	[1]	[2]	[3]
1986	0	0	0
1987	0	0	0
1988	8,556,172	0	8,556,172
1989	8,991,417	0	8,991,417
1990	9,020,145	0	9,020,145
1991	9,009,739	86,529	9,096,268
1992	18,053,820	339,060	18,392,880
1993	18,754,578	(68,950)	18,685,628
1994	18,705,728	(213,745)	18,491,983
1995	16,729,731	2,839,696	19,569,427
1996	20,262,394	2,810,767	23,073,161
1997	19,141,671	1,296,887	20,438,558
1998	19,092,267	1,850,818	20,943,085
1999	20,301,335	3,847,978	24,149,313
2000	17,085,146	2,949,526	20,034,672
2001	31,847,016	13,032,437	44,879,453
2002	22,276,589	(5,934,164)	16,342,425
2003	22,768,985	1,352,030	24,121,015
2004	19,038,306	3,040,705	22,079,011
2005	17,204,043	2,605,075	19,809,118
2006	17,589,839	4,317,052	21,906,891
2007	20,041,387	4,321,833	24,363,220
2008	21,870,151	3,665,831	25,535,982
2009	20,084,800	7,003,623	27,088,423
2010	20,584,992	4,362,778	24,947,770
2011	21,198,361	8,607,829	29,806,190
2012	21,513,121	6,041,609	27,554,730
2013	16,714,447	5,698,589	22,413,036
2014	18,442,404	4,290,132	22,732,536
2015	29,524,520	2,139,332	31,663,852
2016	29,837,510	5,427,771	35,265,281
2017	30,991,640	7,738,457	38,730,097
2018	30,205,304	7,738,457	37,943,761
2019	30,277,225	7,738,457	38,015,682
2020	29,583,228	7,738,457	37,321,685
2021	30,235,315	7,024,221	37,259,536
2022	29,084,342	7,024,221	36,108,563
2023	23,863,138	7,024,221	30,887,359
2024	25,053,591	7,024,221	32,077,812
2025	28,507,429	7,024,221	35,531,650
2026	11,230,843	7,024,221	18,255,064
2027	11,428,231	7,024,221	18,452,452
2028	7,440,020	7,024,221	14,464,241
2029	7,806,395	7,024,221	14,830,616
2030	1,526,217	7,024,221	8,550,438
2031	1,521,074	7,024,221	8,545,295
2032	1,524,918	7,024,221	8,549,139
2033	1,523,517	7,024,221	8,547,738
2034	1,526,403	7,024,221	8,550,624
2035	1,522,730	7,024,221	8,546,951
Total	859,092,174	222,028,171	1,081,120,345

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	943,104
1995	1,259,042
1996	1,408,493
1997	1,325,623
1998	1,206,303
1999	785,508
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	1,487,222
2014	1,852,017
2015	1,819,045
2016	1,819,045
Total	30,805,398

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

State of California
California Natural Resources Agency
Department of Water Resources
State Water Project
Permanent Table A Transfer Credit¹
for
THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

(in dollars)

State Water Project Repayment Reach	2016 Credit
CA-R1	(12,881)
CA-R2A	(2,335)
CA-R2B	(1,189)
CA-R3	(1,018)
CA-R4	(1,710)
CA-R5	(1,324)
CA-R6	(335)
CA-R7	(1,587)
CA-R8C	(43)
CA-R8D	(750)
CA-R9	(26,006)
CA-R10A	(27,177)
CA-R11B	(43,743)
CA-R12D	(43,250)
CA-R12E	(30,074)
CA-R13B	(69,121)
CA-R14A	(285,634)
CA-R14B	(46,002)
CA-R14C	(40,007)
CA-R15A	(230,035)
CA-R16A	(400,750)
CA-R17E	(1,598,603)
CA-R17F	(380,298)
CA-R18A	(34,030)
CA-R19	(24,816)
CA-R20A	(75)
CA-R20B	(94)
CA-R21	(48)
CA-R22A	(50)
CA-R22B	(41,525)
CA-R29A	(40,937)
CA-R29F	(28,832)
CA-R29G	(93,434)
CA-R29H	(15,165)
CA-R29J	(98,852)
CA-R30	(26,124)
Total	(3,647,854)

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 132-15, "Management of the California State Water Project".
- 2/ Payments in 2015 are assumed to be equal to those amounts shown on the Statement of Charges for 2015.

Attachment 4B

- 1/ From Table B-16 of Appendix B to Bulletin 132-15.
- 2/ Payments in 2015 are assumed to be equal to those amounts shown on the Statement of Charges for 2015.

Attachment 4C

- 1/ From Table B-5a of Appendix B to Bulletin 132-15.
- 2/ From Table B-18 of Appendix B to Bulletin 132-15.
- 3/ Payments in 2015 are equal to the current calculated component plus the over/under adjustment for prior years.

Attachments 4A, 4B, & 4C

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

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

- 6/ Derived by adding the sum of items shown in Column (5) to the 2016 calculated component shown in Column (2).