



MWD

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Executive Office

September 17, 2009

Mr. Paul J. Matuska
Acting Group Manager
Boulder Canyon Operations Office
U.S. Bureau of Reclamation
P.O. Box 61470
Boulder City, NV 89006-1470
Attention: BCOO-4200

Dear Mr. Matuska:

Estimates of Metropolitan Monthly Diversions for Calendar Year 2010

This letter is in response to your August 7, 2009, letter to Mr. Roger K. Patterson requesting The Metropolitan Water District of Southern California's (Metropolitan) best estimates of monthly diversion requirements for calendar year 2010. In addition, enclosed with the letter was a questionnaire to be completed by Metropolitan as part of the U.S. Bureau of Reclamation's (Reclamation) consultations under Title 43, Code of Federal Regulations, Part 417.

Estimate of Metropolitan Diversions for Calendar Year 2010

Metropolitan's estimate of its diversions for calendar year 2010 totals 1.1 million acre-feet. Metropolitan's estimated available supply during the year and a monthly diversion schedule is tabulated in Enclosure 1. The details behind Metropolitan's estimated available supply are described in Enclosure 2.

Estimated available supply to Metropolitan is based on projected use of water by holders of present perfected rights and priorities 1 through 3 in California and assumed January 1, 2010, balances in Metropolitan's Intentionally Created Surplus (ICS) accounts in Lake Mead. Metropolitan has the capability to divert and beneficially use over 1.2 million acre-feet in calendar year 2010. However, the water budgets prescribed in the October 10, 2003, *Colorado River Water Delivery Agreement* may result in less than that amount of water being available to Metropolitan. Should unused California apportionment not incorporated in the tabulation of Enclosure 1 become available during the year, Metropolitan plans to divert such water.

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In addition to the unused Arizona apportionment incorporated into Enclosure 1, should there be other water that is apportioned to Arizona or Nevada that will not be used in calendar year 2010, Metropolitan requests delivery of those waters during the year.

Part 417 Consultation Questionnaire

Metropolitan's responses to the Part 417 Consultation Questionnaire are contained in Enclosure 3.

Plan for the Creation of Extraordinary Conservation Intentionally Created Surplus During Calendar Year 2010

By letter to Mr. Steve Hvinden dated August 17, 2009, Metropolitan transmitted to Reclamation its plan for the creation of Extraordinary Conservation Intentionally Created Surplus (ICS) during calendar year 2010. The estimate of diversions shown in Enclosure 1 does not incorporate the creation of Extraordinary Conservation ICS. Metropolitan understands that, with the Secretary of the Interior's approval of its 2010 ICS creation plan, the creation of ICS would be accomplished through reduced diversions into the Colorado River Aqueduct. Upon approval, Metropolitan will submit a revised monthly estimate of diversions that incorporates such reduced diversions.

If you have any questions regarding Metropolitan's estimate of diversions or the Part 417 Consultation Questionnaire please contact Mr. John L. Scott at (213) 217-7823.

Very truly yours,



Stephen N. Arakawa
Manager, Water Resource Management

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Enclosures (3)

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cc: Ms. Halla Razak, P.E.
Colorado River Program Manager
San Diego County Water Authority
4677 Overland Avenue
San Diego, CA 92123

Metropolitan's Estimate of Diversions from the Colorado River Water for Calendar Year 2010**Tabulation of Estimated Available Supply**
(acre-feet)

Water Budget Item	Schedule
Priority 4	550,000
IID-MWD Water Conservation Program	85,000
Coachella Canal Lining Project (MWD Exchange with SDCWA)	24,500
Coachella Canal Lining Project (Supplemental Water)	4,500*
All-American Canal Lining (MWD Exchange with SDCWA)	56,200
All-American Canal Lining (Supplemental Water)	11,500*
IID Transfer to SDCWA (MWD Exchange with SDCWA)	70,000
Priority 1, 2, and 3b Use Below 420,000 Acre-feet	178,000
Unused Priority 3a	0
Miscellaneous and Indian Present Perfected Rights Use	-3,000
Recovery of water stored in central Arizona	5,663
Lower Colorado Water Supply Project	6,363
Exchange with CVWD	-10,000
Delivery of Extraordinary Conservation ICS water	84,274
Delivery of System Efficiency ICS water	34,000
Supply Available for Consumptive Use	1,097,000
Estimated Return Flow Credit	3,000
Diversion for Emergency Delivery for Tijuana	0
Total Diversion	1,100,000

*See table on following page for scheduled monthly diversions of Supplemental Water to be made available to Metropolitan pursuant to §7.6 of the October 2003 *Allocation Agreement* and §5.a. of the October 2003 *Agreement Relating to Supplemental Water*.

Monthly Diversion Schedule and Return Flow Estimates
(acre-feet)

Month	Gross Diversion	Diversions for Emergency Delivery for Tijuana	Supplemental Water Diversions	Return Flow
January	108,807	0	0	254
February	98,277	0	0	230
March	108,807	0	0	254
April	15,963	0	0	246
May	98,972	0	0	255
June	95,779	0	0	247
July	98,972	0	0	255
August	98,972	0	0	255
September	95,779	0	16,000	247
October	98,972	0	0	255
November	95,779	0	0	247
December	84,921	0	0	255
Total	1,100,000	0	16,000	3,000

Details of Metropolitan's Tabulation of Estimated Available Supply for Calendar Year 2010**Allocation of Water from the Coachella Canal Lining Project**

The "Interim Determination by the Secretary of the Interior of the Quantity of Water Conserved by the Coachella Canal Lining Project and the Amount of Water Available for Allocation" (Determination), made on January 31, 2008, concluded that 30,850 acre-feet will be conserved from the Coachella Canal Lining Project during calendar year 2010. The Determination provides that the volume of water available for allocation shall be the quantity conserved minus the volume of water taken from the Coachella Canal that is used for Lining Project mitigation.

The Determination allocates at least 4,500 acre-feet for the benefit of the San Luis Rey Settlement Parties leaving the remaining supply available for allocation to the San Diego County Water Authority (SDCWA). As the conditions specified in Sections 7.2.1 and 7.2.2 of the *Allocation Agreement* have not yet been satisfied, the 4,500 acre-feet is assumed to be available to Metropolitan in 2010. Also, for the purposes of estimating Metropolitan's diversions for 2010 it is assumed that 1,850 acre-feet would be taken from the Coachella Canal for Lining Project mitigation.

The Determination provides that the Bureau of Reclamation (Reclamation) will review the amount of conserved water used for mitigation purposes on or near December 1 before allocating additional water, if any, to SDCWA. Metropolitan urges Reclamation to undertake its review at the earliest possible time and to promptly notify Metropolitan of any adjustment to the volume of conserved water allocated to SDCWA.

Allocation of Water from the All-American Canal Lining Project

Metropolitan understands that all of the reaches of the earthen All-American Canal scheduled to be replaced with a concrete-lined canal have been substantially completed. Based on the October 10, 2003, *Allocation Agreement*, particularly Exhibit A to the *Allocation Agreement*, Metropolitan assumes that a total of 67,700 acre-feet will be allocated during calendar year 2010. Of that volume, 11,500 acre-feet is assumed to be available to Metropolitan as the conditions specified in Sections 7.2.1 and 7.2.2 of the *Allocation Agreement* have not yet been satisfied. The remaining 56,200 acre-feet would be allocated to SDCWA.

Unused Priority 1, 2, and 3b

Metropolitan's estimate of available supply assumes that 2010 consumptive use under priorities 1, 2, and 3b would be 420,000 acre-feet less the volume of water saved under (i) the Palo Verde Irrigation District/Metropolitan Forbearance and Following Program plus (ii) water saved under the Emergency Short-term Following Program within the Palo Verde Irrigation District that will terminate at the end of July 2010. Metropolitan estimates that the 2010 combined savings from these following measures will be approximately 178,000 acre-feet.

Metropolitan understands that its supply is impacted by actual use under priorities 1, 2, and 3b pursuant to the October 10, 2003, *Colorado River Water Delivery Agreement*.

Unused Priority 3a

Metropolitan's estimate of available supply does not include unused Priority 3a water that may become available.

Recovery of Water Stored in Central Arizona

By letter dated August 4, 2009, to the Central Arizona Water Conservation District, with a copy to the Reclamation's Regional Director, Lower Colorado Region, Metropolitan has requested recovery of the remaining balance of its Long-term Storage Credits (LTSC) in 2010. This remaining balance is estimated to be 5,663 acre-feet.

Lower Colorado Water Supply Project

It is estimated that 6,363 acre-feet of the yield of the Lower Colorado Water Supply Project will be available to Metropolitan

Exchange with Coachella Valley Water District

Under the October 10, 2003, *Delivery and Exchange Agreement between Metropolitan and Coachella for 35,000 Acre-Feet*, during calendar year 2010 Metropolitan will deliver to the Coachella Valley Water District (CVWD) 10,000 acre-feet of State Water Project supplies by exchange. To effect the exchange, Metropolitan plans to forbear consumptive use of 10,000 acre-feet of its available Colorado River supply to allow that water to be diverted by CVWD at Imperial Dam.

As this is an exchange involving non-Colorado River supplies, diversion of the 10,000 acre-feet by CVWD should not be counted as a Priority 3a use in the Benchmark calculation made pursuant to Section 8 of the *Colorado River Water Delivery Agreement*.

Delivery of Intentionally Created Surplus Water

The estimated available supply incorporates projected balances in Metropolitan's Intentionally Created Surplus (ICS) accounts in Lake Mead on January 1, 2010.

As of the writing of this letter, Reclamation's forecast of 2009 consumptive use of Colorado River water indicates a large volume of unused California agricultural priority water. Metropolitan intends to take delivery of that unused water in lieu of taking delivery of any ICS water during 2009. Furthermore, Metropolitan projects that actual end-of-year unused California agricultural priority water will allow Metropolitan to create additional volumes of Extraordinary Conservation ICS in 2009 in accordance with Metropolitan's Revised Plan for the Creation of Extraordinary Conservation ICS During Calendar Year 2009 to an extent that the balance on January 1, 2010, would exceed 85,000 acre-feet.

Accordingly, Metropolitan requests delivery of nearly 85,000 acre-feet of Extraordinary Conservation ICS and 34,000 acre-feet of System Efficiency ICS during calendar year 2010.