



Established in 1918 as a public agency

# Coachella Valley Water District

**Directors:**

Peter Nelson, President - Div. 4  
John P. Powell, Jr., Vice President - Div. 3  
Patricia A. Larson - Div. 2  
Debi Livesay - Div. 5  
Franz W. De Klotz - Div. 1

**Officers:**

Steven B. Robbins, General Manager-Chief Engineer  
Julia Fernandez, Board Secretary

December 21, 2012

Redwine and Sherrill, Attorneys



File: 0332.1  
0332.2  
0645.6

Paul Matuska  
U.S. Bureau of Reclamation  
Lower Colorado Regional Office  
Post Office Box 61470  
Boulder City, NV 89006-1470

Dear Mr. Matuska:

Subject: Revised 2012 Water Order for Colorado River Water

The Coachella Valley Water District (CVWD) submits the following revision of its 2012 water order for Colorado River water. The revised order equates to the consumptive use of approximately 331,027 acre-feet of Colorado River water.

The Colorado River water order reflects the subtraction of:

- 26,000 acre-feet for Coachella Canal Lining, and
- 3,000 acre-feet for Present Perfected Rights, and
- 2,525 acre-feet for Coachella Canal Lining Environmental Mitigation -- Water Allocated But Not Used.
- 448 acre-feet for Imperial Irrigation District (IID) Groundwater Storage Return

And the addition of:

- +12,000 acre-feet from the 1988 IID-MWD Water Conservation Agreement, and
- +21,000 acre-feet from IID-CVWD Acquisition Agreement (2003 QSA), and
- +0 acre-feet from the Agreement for 35,000 Acre-feet Exchange Water (2003 QSA, MWDSC).

This revised water order reflects CVWD's best estimate of its anticipated 2012 consumptive use based, in part, on Reclamation's forecast dated December 20, 2012. Should CVWD's actual 2012 consumptive use differ from the schedule reflected in this revised water order, CVWD requests that Reclamation adjust the amount of Colorado River water available to CVWD under the 1988 IID/MWD Water Conservation Agreement to offset the difference, with the exact amount to be determined at the end of the year.

Enclosed are CVWD's monthly consumptive use estimates for Colorado River water. These estimates include direct and in-lieu groundwater recharge for the benefit of Improvement District No. 1. Also enclosed is documentation related to the Coachella Canal Lining Mitigation Water and the IID Groundwater Storage Return.

Yours very truly,



J. M. Barrett  
Acting General Manager

Enclosures/7/as

cc: Jennifer McCloskey, Area Manager (with enclosures)  
U.S. Bureau of Reclamation  
Yuma Area Office  
7301 Caled Agua Salada  
Yuma, AZ 85364

Jesse Silva, Manager (with enclosures)  
Water Department  
Imperial Irrigation District  
333 East Barioni Boulevard  
Imperial, CA 92251

Bill Hasencamp, Manager, Colorado River Resources (with enclosures)  
Metropolitan Water District of Southern California  
Post Office Box 54153  
Los Angeles, CA 90054-0153

CO:ch/eng/water orders/revised 2012 water order



+ Emailed to  
Matuska &  
Hasencamp

# COACHELLA VALLEY WATER DISTRICT

## Exhibit A Revised 2012 Annual Colorado River Water Order Estimated Consumptive Use (Acre-feet) at Imperial Dam

	Original Water Order 2012	Revised Water Order 2012	
<b>Base Consumptive Use</b>	330,000	330,000	Coachella Valley Water District Priority 3a
<b>Diversion Reductions</b>	-26,000	-26,000	Coachella Canal Lining Project (SDCWA & SLR)
	-3,000	-3,000	Miscellaneous Prior Perfected Rights
		-2,525	CCLP Environmental Mitigation – Water Allocated But Not Used*
		- 448	IID Groundwater Storage Return
<b>Diversion Additions</b>	20,000	12,000	1988 IID-MWD Water Conservation Agreement
	21,000	21,000	IID-CVWD Acquisition Agreement (2003 QSA)
	0	0	Agreement for 35,000 Acre-Feet Exchange Water (MWDSC, 2003 QSA)
<b>Total 2012 Water Order (Revised)</b>	342,000	331,027	Consumptive Use At Imperial Dam

\* CCLP Environmental Mitigation Water Allocated = 4,850 af  
 CCLP Environmental Mitigation Water Used = 2,325 af  
 CCLP Environmental Mitigation Water Not Used = 2,525 af

# COACHELLA VALLEY WATER DISTRICT

## **Exhibit B** **Revised 2012 Monthly Colorado River Water Order** **Estimated Consumptive Use (Acre-feet) at Imperial Dam**

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
15,906	19,811	25,396	30,177	35,572	33,745	34,207	33,867	26,672	27,275	26,132	22,267	331,027



# IMPERIAL IRRIGATION DISTRICT

RECEIVED

MAY 25 2010

OPERATING HEADQUARTERS • P. O. BOX 937 • IMPERIAL, CALIFORNIA 92251

May 25, 2010

*orig/eng S Robbins  
encl J Barrett*

**CVWD**

Mr. Steve Robbins  
General Manager/Chief Engineer  
Coachella Valley Water District  
PO Box 1058  
Coachella, CA 92236

File: 0645.61  
0043.1

Subject: 2010 Groundwater Storage Pilot Project

Dear Steve:

This will confirm our recent discussions regarding a pilot project for the storage of IID Water in CVWD's existing groundwater basins (collectively "Basins") pursuant to our Agreement for Storage of Groundwater ("Agreement") entered into on October 10, 2003.

IID would like to store 500 acre-feet in the Basins in 2010. Notwithstanding the notice provisions set forth in Article 2.2 of the Agreement, this letter confirms that CVWD has agreed to store this IID Water in 2010 subject to all other provisions of the Agreement.

At your earliest convenience and in accordance with Article 5.1 of the Agreement, IID requests notification of all costs associated with the storage of the 500 acre-feet of IID Water. In addition, IID will need to be apprised of a Delivery Date to ensure that the 525 acre-feet of IID Water for this pilot project is scheduled appropriately for diversion to the Coachella Canal Heading (or some other volume of IID Water if a different Point of Delivery location is agreed to), as outlined in Article 4.1.

Please sign each of the duplicate originals enclosed herein and return one to me along with the information requested above.

Sincerely,

BRIAN J. BRADY  
General Manager

Agreed this \_\_\_\_\_ day of \_\_\_\_\_, 2010

\_\_\_\_\_  
STEVE ROBBINS  
General Manager, Coachella Valley Water District

SCANNED

ke



Established in 1918 as a public agency

# Coachella Valley Water District

**Directors:**

Patricia A. Larson, President  
Peter Nelson, Vice President  
Tellis Codekas  
Franz W. De Klotz  
Russell Kitahara

**Officers:**

Steven B. Robbins, General Manager-Chief Engineer  
Julia Fernandez, Board Secretary

Redwine and Sherrill, Attorneys

June 3, 2010

File: 0043.1  
0645.61

Brian J. Brady  
General Manager  
Imperial Irrigation District  
P.O. Box 937  
Imperial, CA 92251

Dear Mr. Brady:

**Subject: 2010 Groundwater Storage Pilot Project**

As you requested, enclosed is an executed original of your letter dated May 25, 2010, confirming that Coachella Valley Water District agrees to store 500 acre-feet of Imperial Irrigation District water in 2010 pursuant to our Agreement for Storage of Groundwater entered into on October 10, 2003.

Staff is working on the costs associated with the storage of the 500 acre-feet of IID water, as well as a delivery date. This information will be provided to you soon.

Yours very truly,

Steve Robbins  
General Manager-Chief Engineer

Enclosure/1/as

SR:il/Robbins/2010/June/Brady-IID/2010 Grndwtr Storage Pilot Pjct

**FILE COPY**

2 SCANNED  
SC



# IID

*A century of service.*

www.iid.com

*e/m Dehaertan  
J Barrett  
M Johnson  
J Reburn  
S Bigley*



September 25, 2012

Mr. Jim M. Barrett  
Acting General Manager  
Coachella Valley Water District  
P.O. Box 1058  
Coachella, CA 92236

File 0043.1  
0645.61  
0643.5212 - TEL

Dear Mr. Barrett:

**Subject: 2012–2013 Groundwater Storage Return Water Notice**

In accordance with Section 7.1 of the October 10, 2003 *Agreement for Storage of Groundwater By and Between Coachella Valley Water District and the Imperial Irrigation District*, IID formally requests the 2013 withdrawal of the balance of the water delivered in 2010 to the Thomas Levy Recharge site for storage purposes. In addition, should capacity exist this year and pending approval of its inadvertent overrun and payback plan, IID may be interested in accelerating this withdrawal to 2012.

In 2010, IID delivered 525 acre-feet of its entitlement water to CVWD to cause 500 acre-feet of Colorado River water to be stored in its groundwater basins. According to the accounting methods defined in the agreement and CVWD's October 14, 2010 memo describing the IID groundwater storage charges, delivery loss (5 percent, one-time) and storage losses (5 percent annually), there should be a balance of 451 acre-feet of water available for return to IID in 2013. If the 2012 option is mutually agreeable, the stored water balance to be returned to IID prior to the end of the year would be 475 acre-feet.

As outlined in the agreement, IID anticipates the return of this water to be accomplished through a reduction in CVWD's consumptive use and exchange at the Imperial Dam diversion facilities.

We look forward to working out the operational details of this request with your staff. If you have any questions, please contact Vince Brooke at (760) 339-9277.

Sincerely,

Kevin E. Kelley  
General Manager

IMPERIAL IRRIGATION DISTRICT  
333 E. BARIONI BLVD. • P.O. BOX 937 • IMPERIAL, CA 92251  
TELEPHONE (760) 339-9477 • FAX (760) 339-9392

SCANNED

SCAN/SHRED



Established in 1918 as a public agency

# Coachella Valley Water District

**Directors:**

Peter Nelson, President - Div. 4  
John P. Powell, Jr., Vice President - Div. 3  
Patricia A. Larson - Div. 2  
Debi Livesay - Div. 5  
Franz W. De Klotz - Div. 1

**Officers:**

Steven B. Robbins, General Manager-Chief Engineer  
Julja Fernandez, Board Secretary

Redwine and Sherrill, Attorneys

November 1, 2012

File: 0043.1  
0645.611

Kevin Kelley  
General Manager  
Imperial Irrigation District  
Post Office Box 937  
Imperial, CA 92251

Dear Mr. Kelley:

Subject: 2012 Groundwater Storage Return Water Notice

This serves to respond to your letter dated October 31, 2012 whereby the Imperial Irrigation District (IID) requests the return of groundwater storage water (IID water) within the Coachella Valley groundwater basin (CV Basin) in accordance with the Agreement for Storage of Groundwater (Agreement) dated October 10, 2003.

Article 7.1 of the Agreement requires IID to request return of IID water by October 1 of the preceding year. However, IID has requested that the IID water be returned in 2012. Coachella Valley Water District (CVWD) will return 448 acre-feet of IID water on December 1, 2012. CVWD will return the IID water through a reduction in consumptive use at the Imperial Dam.

CVWD has received email concurrence from Vince Brooke (IID staff) on the amount of IID water to be returned on December 1, 2012.

If you have any questions or require additional information, please contact Dan Charlton, Engineering Manager, at Extension 2316.

Yours very truly,

J.M. Barrett  
Acting General Manager



DC:pr/eng/irr/12/nov/Return of IID Water Notice



Established in 1918 as a public agency

## Coachella Valley Water District

**Directors:**

Peter Nelson, President - Div. 4  
John P. Powell, Jr., Vice President - Div. 3  
Patricia A. Larson - Div. 2  
Debi Livesay - Div. 5  
Franz W. De Klotz - Div. 1

**Officers:**

Steven B. Robbins, General Manager-Chief Engineer  
Julia Fernandez, Board Secretary

Redwine and Sherrill, Attorneys

December 10, 2012

File: 0306.315

0322.1

0332.2

0645.6

0645.61

Paul Matuska  
U.S. Bureau of Reclamation  
Lower Colorado Regional Office  
Post Office Box 61470  
Boulder City, NV 89006-1470

Dear Mr. Matuska:

**Subject: 2012 Coachella Canal Lining Project Mitigation Water**

The estimated 2012 environmental mitigation water for the Coachella Canal Lining Project (Project) through December 31, 2012 is projected to be approximately 2,325 acre-feet. Please find enclosed a table outlining the methodology of the estimated water use.

Thus, it is projected that the remaining 2,525 acre-feet, of the 4,850 acre-feet committed for environmental use, is available from the Project for diversion to San Diego County Water Authority.

If you any questions or require additional information, please contact Carrie Oliphant, Engineering Manager, at extension 2268.

Yours very truly,

J. M. Barrett  
Acting General Manager

Enclosure/1/as

cc: See attached list

CO:ch/eng/irr/12/Dec/CC Lining Mitigation



cc: Dave Fogerson (with enclosure)  
San Diego County Water Authority  
4677 Overland Avenue  
San Diego, CA 92123

Mojgan Poursadighi (with enclosure)  
San Diego County Water Authority  
4677 Overland Avenue  
San Diego, CA 92123

Jennifer McCloskey (with enclosure)  
Area Manager  
U.S. Bureau of Reclamation  
Yuma Area Office  
7301 Calle Agua Salada  
Yuma, AZ 85364

Bill Hasencamp (with enclosure)  
Executive Program Manager  
Metropolitan Water District of Southern California  
Post Office Box 54153  
Los Angeles, CA 90054-0153

CO:ch/eng/irr/12/Dec/CC Lining Mitigation

**Coachella Canal Lining Project**  
**2012 Environmental Mitigation Water Use**  
**(Projected through December 31, 2012)**

**2012 Calculations**

1. **Mammal Ponds**:  $365 \text{ days} \times 0.42 \text{ acre-feet (AF)/day} = 153 \text{ AF}^* \times 11/12 = 140 \text{ AF}$   
(removing January 2012 – mammal ponds were not in service)

\*  $56 \text{ ponds} \times 1.7 \text{ gpm} \times 0.0044 = 0.42 \text{ AF/day}$  estimated by GEI Hydrologist

2. **Unlined Canal Recharge**:  $959 \text{ AF} \times 12/11 = 1,046 \text{ AF}$

3. **Dos Palmas/AquaFarms Recharge (8" Siphon)**:  $1,044 \text{ AF} \times 12/11 = 1,139 \text{ AF}$

**Total Projected 2012 Environmental Mitigation Water Used: 2,325 AF**