

COLORADO RIVER BOARD OF CALIFORNIA

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(818) 500-1625
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September 2, 2011

**NOTICE OF REGULAR MEETING OF THE
COLORADO RIVER BOARD**

NOTICE IS HEREBY GIVEN pursuant to the call of the Chairperson, Dana B. Fisher, Jr., by the undersigned, the Acting Executive Director of the Colorado River Board of California, that a regular meeting of the Board Members is to be held as follows:

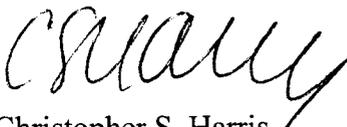
Date: September 14, 2011, Wednesday
Time: 10:00 a.m.
Place: Vineyard Room Holiday Inn Ontario Airport 2155 East Convention Center Way Ontario, CA 91764-4452 TEL: (909) 212-8000, FAX: (909) 418-6703

The Colorado River Board of California welcomes any comments from members of the public pertaining to items included on this agenda and related topics. Oral comments can be provided at the beginning of each Board meeting; while written comments may be sent to Mr. Dana B. Fisher, Jr., Chairperson, Colorado River Board of California, 770 Fairmont Avenue, Suite 100, Glendale, California, 91203-1068.

An Executive Session may be held in accordance with provisions of Article 9 (commencing with Section 11120) of Chapter 1 of Part 1 of Division 3 of Title 2 of the Government Code and in accordance with Sections 12516 and 12519 of the Water Code to discuss matters concerning interstate claims to the use of Colorado River System waters in judicial proceedings, administrative proceedings, and/or negotiations with representatives from other states or the federal government.

Requests for additional information may be directed to: Christopher S. Harris, Acting Executive Director, Colorado River Board of California, 770 Fairmont Avenue, Suite 100, Glendale, CA 91203-1068, or 818-500-1625. A copy of this Notice and Agenda may be found on the Colorado River Board's web page at www.crb.ca.gov.

A copy of the meeting agenda, showing the matters to be considered and transacted, is attached.


Christopher S. Harris
Acting Executive Director

attachment: Agenda

Regular Meeting
COLORADO RIVER BOARD OF CALIFORNIA
September 14, 2011, Wednesday
10:00 a.m.

Vineyard Room
Holiday Inn Ontario Airport
2155 East Convention Center Way
Ontario, CA 91764-4452

A G E N D A

At the discretion of the Board, all items appearing on this agenda, whether or not expressly listed for action, may be deliberated upon and may be subject to action by the Board. Items may not necessarily be taken up in the order shown.

1. Call to Order
2. Opportunity for the Public to Address the Board (Limited to 5 minutes)
As required by Government Code, Section 54954.3(a)
3. Administration
 - a. Minutes of the Meeting Held July 13, 2011, Consideration and Approval (**Action**) TAB 1
 - b. Status of Governor’s Proposal to Elimination of the Colorado River Board
4. Agency Managers Meetings
5. Protection of Existing Rights
 - a. Colorado River Water Report(s) TAB 2
Report on current reservoir storage, reservoir releases, projected water use, forecasted river flows, scheduled deliveries to Mexico, and salinity
 - b. State and Local Water Reports TAB 3
Reports on current water supply and use conditions
 - c. Colorado River Operations TAB 4
 - 2012 Colorado River Annual Operating Plan (2012 AOP) – Final Consultation
 - Western Resource Advocates News Release, “A Water Pipeline No One Can Afford”; and News Article from The Colorado Independent, “Pricey Wyoming pipeline project ratchets up water worries along Colorado’s Front Range” and Wyoming Business Report, “Study: Flaming George pipeline ‘most expensive’”
 - d. Basin States Discussions
 - Status of U.S./Mexico Binational Discussions
6. Water Quality
 - a. Colorado River Basin Salinity Control Forum Work Group Meeting, August 31 –September 1st, 2011

Agenda (continued)

7. Executive Session

An Executive Session may be held by the Board pursuant to provisions of Article 9 (commencing with Section 11120) of Chapter 1 of Part 1 of Division 3 of Title 2 of the Government Code and Sections 12516 and 12519 of the Water Code to discuss matters concerning interstate claims to the use of Colorado River system waters in judicial proceedings, administrative proceedings, and/or negotiations with representatives from other states or the federal government.

8. Other Business

- a. Next Board Meeting: Regular Meeting TAB 5
October 12, 2011, Wednesday, starting 10:00 a.m.
Holiday Inn Ontario Airport
2155 East Convention Center Way
Ontario, CA 91764-4452
TEL: (909) 212-8000, FAX: (909) 418-6703

3.a. - Approval Minutes of the Board Meeting Held on July 13, 2011

Minutes of Regular Meeting
COLORADO RIVER BOARD OF CALIFORNIA
Wednesday, July 13, 2011

A Regular Meeting of the Colorado River Board of California (Board) was held in the Orchid Room, at the Holiday Inn Ontario Airport, at 2155 East Convention Center Way, Ontario, California, Wednesday, July 13, 2011.

Board Members Present

Dana B. Fisher, Jr., Chairman
John V. Foley
W. D. 'Bill' Knutson
Henry Merle Kuiper
James B. McDaniel
John Pierre Menvielle

John Palmer Powell, Jr.
Jeanine Jones, Designee
Department of Water Resources

Board Members Absent

Terese Marie Ghio

Christopher G. Hayes, Designee
Department of Fish and Game

Others Present

Steven B. Abbott
James M. Barrett
James H. Bond
John Penn Carter
Ron Derma
Dave Fogerson
William J. Hasencamp
Mark L. Johnson
Richard Johnson
Michael Kaschak
Michael L. King
Thomas E. Levy
Douglas B. Noble
Carrie Oliphant
Glen Peterson
David R. Pettijohn
Halla Razak
Steven B. Robbins
Thomas J. Ryan

Jack Seiler
Tina L. Shields
Peter S. Silva
Catherine M. Stites
Ed W. Smith
Mark Stuart
William H. Swan
Deven N. Upadhyay
Joseph A. Vanderhorst
Bill D. Wright
J.C. Jay Chen
Christopher S. Harris
Michael W. Hughes
Lindia Y. Liu
Mark Van Vlack
Gerald R. Zimmerman

CALL TO ORDER

Chairman Fisher announced the presence of a quorum and called the meeting to order at 10:00 a.m.

OPPORTUNITY FOR THE PUBLIC TO ADDRESS THE BOARD

Chairman Fisher asked if there was anyone in the audience who wanted to address the Board on items on the agenda or matters related to the Board. Hearing none, Chairman Fisher moved to the next agenda item.

ADMINISTRATION

Approval of Minutes

Chairman Fisher requested the approval of the June 15th meeting minutes. Mr. Knutson moved the June 15th minutes be approved. Mr. Kuiper seconded the motion. Unanimously carried, the Board approved the June 15th meeting minutes.

AGENCY MANAGERS' MEETING

Mr. Harris requested that the Agency Managers meet following the Board meeting, and the Colorado River Authority meeting. Mr. Harris reported that the meeting will be in preparation for a conference call with Reclamation and the contractors conducting the Basin Study.

PROTECTION OF EXISTING RIGHTS

Colorado River Water Report

Mr. Harris reported that precipitation from October 1st through July 5th, was 130 percent of normal, the previous month it was a 128 percent of normal. The snowpack in the Upper Basin, though not currently reported, the previous month was 264 percent of normal. There is still a lot of snow in the high country and some of this snow may last till summer.

Mr. Harris reported that the projected April through July unregulated inflow into Lake Powell was 12.0 million acre-feet (maf), or 151 percent of normal. The projected water year inflow (October 1st through September 30th) was 16.1 maf, or about 134 percent of normal.

Mr. Harris reported that as of July 5th, Lake Powell storage was about 17.43 maf, or 72 percent of capacity. The water surface elevation was 3,651.7 feet above the mean sea level. Lake Mead storage was 11.78 maf, or 46 percent of capacity, with the water surface elevation 1,103.2 feet above sea level. Total System storage was 37.37 maf, or 63 percent of capacity; whereas, this time last year the total System storage was 34.64 maf, or 58 percent of capacity. Total System storage this year is about 2.7 million acre-feet greater than this time last year.

Mr. Harris added that Reclamation's projected consumptive use (CU) for the State of Nevada is approximately 263,000 acre-feet; for Arizona, the CU projection is about 2.767 maf; and for California the CU projection is under 4.4 maf (4.153 maf). Currently the total projected CU in the Lower Basin is expected to be about 7.183 maf.

State and Local Water Reports

Mr. Mark Stuart of the California Department of Water Resources (DWR), reported that as of July 2011, storage in Lake Oroville was 3.5 maf, compared to July 2010, the storage in Lake Oroville was 2.7 maf. Total State Water Project (SWP) storage is up about 1.2 maf, from last July. Projected deliveries from the SWP were 80 percent of Table A Entitlements. Precipitation statewide was 135 percent of average, runoff was 130 percent of average, and reservoir storage was 110 percent of average.

Mr. Foley, of The Metropolitan Water District of Southern California (MWD), reported that as of July 1st, storage in the main Southern California reservoirs was about 971,000 acre-feet, or 94 percent of capacity. Diamond Valley Lake was about 782,000 acre-feet or 97 percent of capacity. The storage in Lake Mathews was about 152,000 acre-feet or 84 percent of capacity, and Lake Skinner was about 37,000 acre-feet or 84 percent of capacity. Mr. Foley reported that storage in Diamond Valley had filled near the end of May, but some of the water was withdrawn, and will continue to be withdrawn through September, and expect to refill Diamond Valley to its maximum of 810,000 acre-feet by the end of the year. Mr. Foley added that MWD currently holds about 2.5 maf of storage 'in basin', about 350,000 acre-feet in Lake Mead.

Mr. McDaniel of the Los Angeles Department of Water and Power reported that runoff for the season is expected to finish out at about 150 percent of normal. Mr. McDaniel reported that though the year has been good, it's going to take more than one good year to fully recover.

Colorado River Operations

U.S. Bureau of Reclamation's Letter to the International Boundary and Water Commission for the Revised Schedule of Calendar Year 2011 Water Deliveries to Mexico

Mr. Harris reported Reclamation notified the International Boundary and Water Commission (IBWC) confirming that Mexico's delivery schedule of Mexican Water Treaty was to be modified. Mexico requests that the June water delivery be increased by 2,941 acre-feet and the August water delivery be decreased by the same amount.

Reclamation's Letter to Fort Mojave Indian Tribe Regarding Calendar Year 2011 Inadvertent Overrun and Payback Policy Payback Obligation in California

Mr. Harris reported that Reclamation continues to meet with the Fort Mojave Indian Tribe regarding an inadvertent overrun incurred on the California portion of its reservation lands in 2009. Reclamation believes that a payback plan needs to be developed to repay an overrun of 4,557 acre-feet. The Fort Mojave Indian Tribe (Tribe) maintains that the actual overrun is 2,255 acre-feet. Reclamation and the Tribe are scheduled to meet over the next few weeks to work out the actual amount of the inadvertent overrun. The Tribe will then submit a payback plan that will go before Reclamation and the Lower Basin States Technical Staff to ensure that the payback plan is viable.

Mr. Harris apologized for the oversight that a couple of older letters regarding previous inadvertent overruns by the Tribe were mistakenly included in the Board folder; the correct letter was included in the handout materials.

San Francisco Gate News Article on Groundbreaking for Blythe Solar Energy Project

Mr. Harris reported that the Secretary of the Interior announced the groundbreaking of the Solar Millennium Blythe Solar Energy Project. Chairman Fisher reported that the groundbreaking ceremony was attended by 40 to 50 people, mostly members of the press. It was about 102 degrees so after the initial groundbreaking, the ceremony adjourned to the Community College Auditorium where presentations were continued. Chairman Fisher added that most of the presenters read from notes where Governor Brown gave an impressive 20 minute extemporaneous speech that was comprehensive and to the point. Chairman Fisher reported that the Blythe Solar Energy Project is expected to add about 1,000 temporary jobs during the construction phase. Mr. Harris added that the Project, when completed, is estimated to cost approximately \$4 billion, and will provide several hundred permanent jobs. The completed project is likely to be the world's largest solar energy project.

Pacific Institute Report Entitled "Municipal Deliveries of Colorado River Basin Water", June 2011

Mr. Harris reported that the Pacific Institute released a new report on the Colorado River entitled "Municipal Deliveries of Colorado River Basin Water". The report provides a fairly comprehensive overview of population and water delivery and use trends for 100 cities and water agencies that use Colorado River Basin water supplies. The report is available online at: http://www.pacinst.org/reports/co_river_municipal_deliveries/.

Wyoming Business Report Entitled "Municipal Deliveries of Colorado River Basin Water", June 2011

Mr. Harris reported that the U.S. Army Corps of Engineers has suspended its environmental review of the Million proposal to transport water from Flaming Gorge Dam to Colorado's East Slope. Mr. Million is evaluating the feasibility of adding small hydroelectric power generating stations to the proposed pipeline. Mr. Million is investigating whether the

Federal Energy Regulatory Commission might be the appropriate federal lead agency to conduct the environmental review.

Mojave Desert Heritage and Cultural Association's Letter Regarding Cadiz Valley Water Conservation Recovery and Storage Project

Mr. Harris reported that the Mojave Desert Heritage and Cultural Association (MDHCA) recently sent a letter to landowners in the eastern Mojave Desert region of California. The MDHCA is concerned that elements of the proposed Cadiz Valley Water Project could negatively impact local groundwater supplies for landowners. The Project could remove approximately 50,000 acre-feet of groundwater annually from the Fenner Watershed, and affect local water levels for well owners. The MDHCA requests that the Project proponents do a better job of notifying adjacent landowners and evaluating potential impacts.

Colorado River Commission of Nevada Appointed, Jayne Harkins, Executive Director

Mr. Harris reported that on June 21st, Ms. Jayne Harkins was appointed as the Executive Director of the Colorado River Commission of Nevada. Ms. Harkins will be replacing Mr. George Caan. Ms. Harkins has about 27 years of service with Reclamation, much of it in the Lower Colorado Regional Office. For the past few years Ms. Harkins has served as Deputy Regional Director of Reclamation's Lower Colorado Regional Office.

Basin States Discussion

Status of Binational Discussions between the U.S and Mexico

Mr. Harris reported that on July 11th, Reclamation Commissioner Connor held a brief conference call with the Basin States' representatives. He provided an update on the status of the binational discussions with Mexico. Mr. Harris reported that Commissioner Connor's comments were: 1) The June meeting in Tijuana was largely focused on re-starting the effort to reach agreement on a new Minute 319; 2) Commissioner Connor is promoting a transition from a process focused on technical issues to one that focuses on the substantive policy and implementation issues (e.g., Intentionally Created Mexican Apportionment, shortage declaration criteria, river operations, etc.); 3) Commissioner Connor indicated that he wanted to meet with IBWC Commissioner Drusina soon to look at developing a schedule to guide the binational discussion process over the remainder of 2011; 4) Commissioner Connor believes that it still may be possible to reach agreement leading to the issuance of Minute 319 by late-2011 or early-2012; 5) Commissioner Connor reiterated Interior's commitment to maintain open and effective communication with the Basin states during the course of the binational process; 6) Commissioner Connor would like to see Mexico's ConAgua federal agency (Mexico's counterpart to Reclamation) in addition to Mexico's Section of the IBWC, involved with the process; and 7) Commissioner Connor also reported that Reclamation Deputy Regional Director Terry Fulp, will replace Ms. Jayne Harkins as Reclamation's lead contact in the binational process.

Chairman Fisher added that the conference call was important and helpful, though there appears to be increasing distance between the binational process and the non-federal Colorado River stakeholders.

Colorado River Environmental Issues

Glen Canyon Dam Adaptive Management Program

Mr. Harris reported that on July 5th, Secretary Salazar announced the kickoff of the process to develop the “Long-Term Experimental and Management Plan” (LTEMP) for Glen Canyon Dam. The LTEMP will provide a comprehensive review of dam operations, and ensure that flow regimes continue to meet downstream water supply and hydropower needs, as well as protection of natural and cultural resources. Mr. Harris reported that the last comprehensive environmental review of Glen Canyon Dam operations was done in 1995, since that time several high-flow experimental flows have been conducted and much data has been collected. All of this will be included in a new National Environmental Policy Act review process. The LTEMP is intended to guide future actions and management decisions coming out of the Glen Canyon Dam Adaptive Management Program (AMP). Public scoping meetings are anticipated to be held later in 2011 in advance of preparation of an Environmental Impact Statement (EIS).

Mr. Harris reported that also on July 5th, Reclamation released a draft Environmental Assessment (EA) evaluating potential impacts associated with the “Development of and Implementation of Protocol for High-Flow Experimental Releases from Glen Canyon Dam”. The purpose of the protocol will be used to determine the timing and duration (several days to as long as ten days), as well as under what conditions to conduct experimental high-volume releases. The high-flow releases are being evaluated to determine the parameters of high-flow releases for conserving sediment to benefit natural and cultural resources below the dam. Mr. Harris reported that the proposed experimental protocol is intended to be part of the ongoing AMP, comply with the 1992 Grand Canyon Protection Act, and follow the 2007 Colorado River Interim Guidelines for Lower Basin Shortages and Coordinated Reservoir Operation.

WATER QUALITY

Colorado River Basin Salinity Control Program

Mr. Harris reported that the 2011 Draft Triennial Review Report (Triennial Review) adopted by the Salinity Control Forum at its June 2011 meeting. The Triennial Review composes a three year overview of the goals and objectives, as well as the status of the salinity control programs in the Upper Basin. The Triennial Review is available on the Board webpage at: <http://crb.ca.gov/PublicNotice.html>. Comments on the Draft are due by August 15th.

OTHER BUSINESS

The Return of Mr. Zimmerman

Chairman Fisher announced that with the new Fiscal Year, Mr. Zimmerman is again available to serve the Board in its inter-state issues. Chairman Fisher announced that he's asked Mr. Zimmerman to take the lead on the Basin Study and the Binational negotiations with Mexico.

Next Board Meeting

Chairman Fisher announced that the next meeting of the Colorado River Board will be held on Wednesday, August 10, 2011, at 10:00 a.m., at the Holiday Inn Ontario Airport, 2155 East Convention Center Way, Ontario, California.

There being no further items to be brought before the Board, Chairman Fisher asked for a motion to adjourn. Mr. Kuiper moved the Board meeting be adjourned. Mr. Menvielle seconded the motion, and with unanimous approval, the Board meeting was adjourned at 10:37 a.m. on July 13, 2011.

Christopher S. Harris
Acting Executive Director

5.a. - Colorado River Water Reports

**SUMMARY WATER REPORT
COLORADO RIVER BASIN
September 6, 2011**

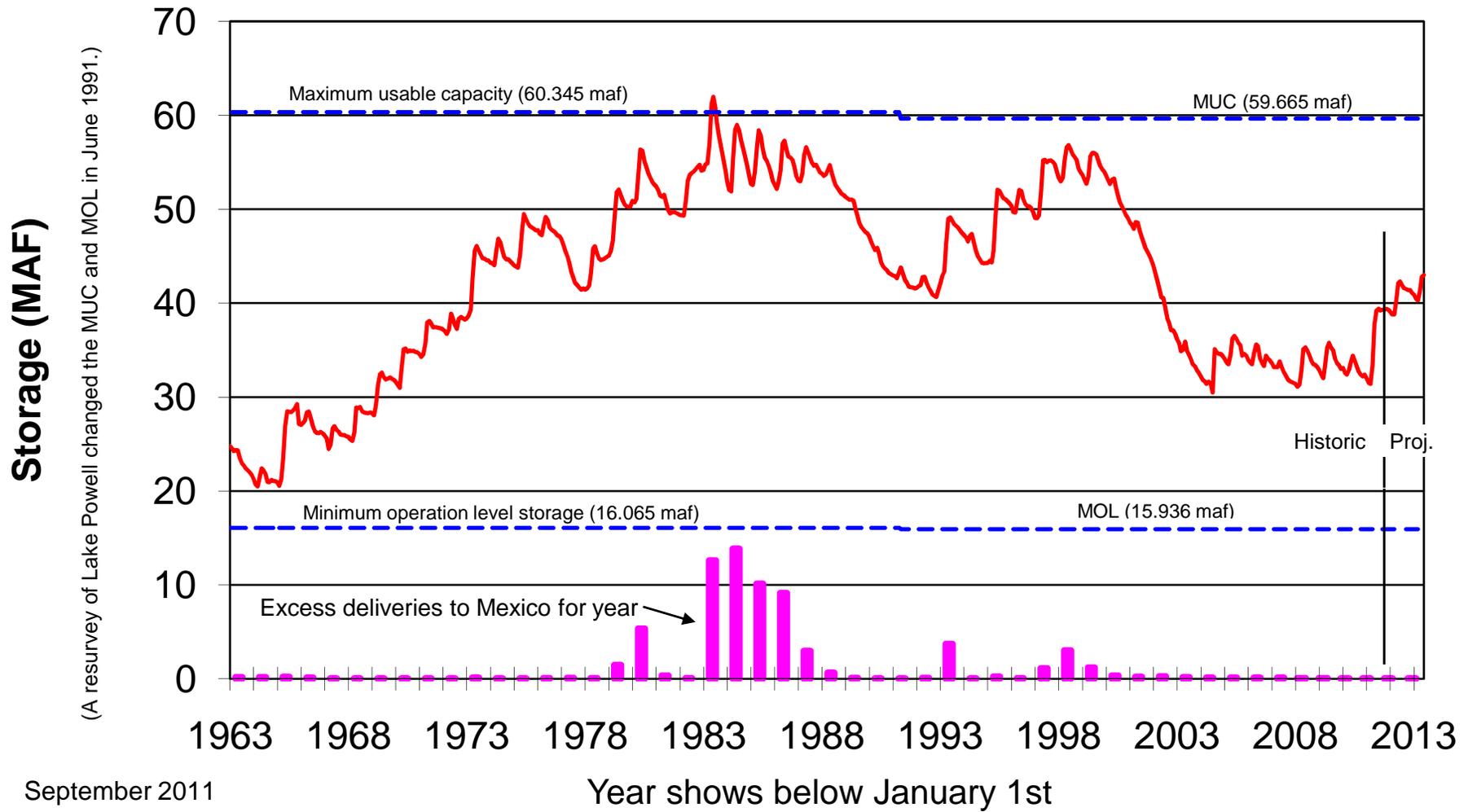
RESERVOIR STORAGE (as of September 5)	August 8, 2011					
	MAF	ELEV. IN FEET	% of Capacity	MAF	ELEV. IN FEET	% of Capacity
Lake Powell	17.822	3,654.8	73	18.529	3,660.3	76
Flaming Gorge	3.533	6,034.7	94	3.587	6,036.0	96
Navajo	1.346	6,059.9	79	1.415	6,065.2	83
Lake Mead	12.779	1,114.0	49	12.268	1,108.5	47
Lake Mohave	1.659	641.5	92	1.684	642.4	93
Lake Havasu	0.590	448.5	95	0.579	448.0	93
Total System Storage	38.923		65	39.304		65
System Storage Last Year	33.664		56	34.168		57

	August 8, 2011			
WY 2011 Precipitation (Basin Weighted Avg) 10/01/10 through 9/06/11	123 percent (37.9")		126 percent (36.2")	
WY 2011 Snowpack Water Equivalent (Basin Weighted Avg) on day of 9/06/11 (Above two values based on average of data from 116 sites.)	N/A		N/A	
	August 4, 2011			
September 1, 2011 Forecast of Unregulated Lake Powell Inflow	MAF	% of Normal	MAF	% of Avg.
2011 April through July unregulated inflow	12.920	163 %	12.920	163%
2011 Water Year forecast	16.897	140 %	17.081	142%

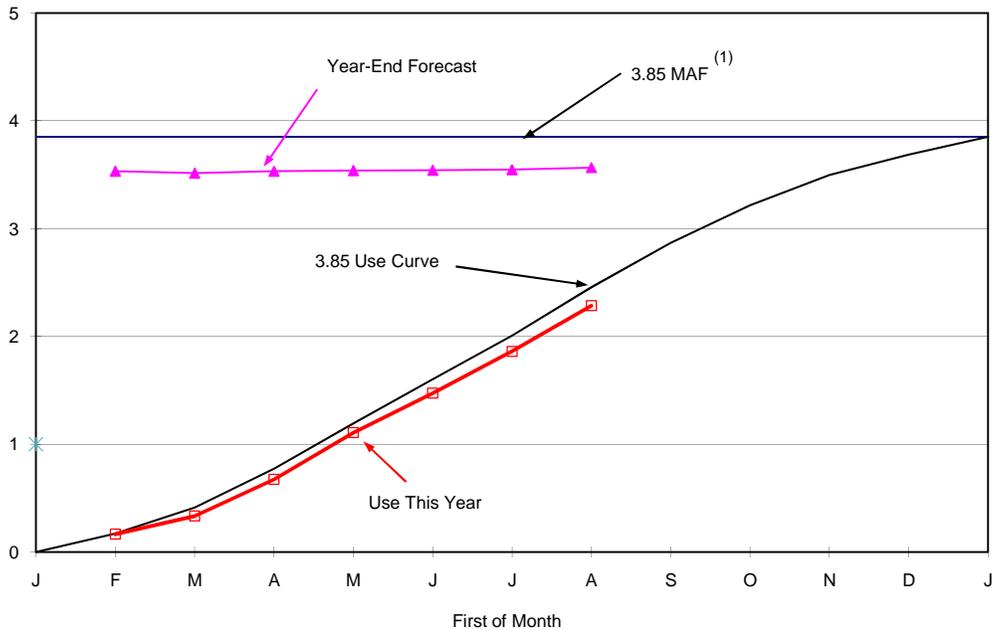
USBR Forecasted Year-End 2011 and 2010 Consum. Use, September 6, 2011 a.					MAF	
			<u>2011</u>	<u>2010</u>		
	Diversion	- Return =	Net			
Nevada (Estimated Total)	0.472	0.209	0.263	0.243		
Arizona (Total)	3.666	0.865	2.801	2.792		
CAP Total			1.598	1.653		
<i>Az. Water Banking Authority</i>			0.134	0.134		
OTHERS			1.204	1.140		
California (Total) b./	4.930	0.629	4.301	4.363		
MWD			0.724	1.099		
3.85 Agriculture	<u>Total</u>	<u>Conserved</u>	<u>Forecasted</u>	<u>Estimated</u>		
IID c./	3.217	-0.360	2.857	2.547		
CVWD d./	0.353	-0.031	0.322	0.304		
PVID	0.328	0	0.328	0.274		
YPRD	0.046	0	0.046	0.039		
Island e./	0.007	0	0.007	0.006		
Total Ag.	3.951	-0.391	3.560	3.170		
Others			0.017	0.094		
PVID-MWD following to storage (to be determined)			--	0		
Arizona, California, and Nevada Total f./	9.068	1.703	7.365	7.399		

- a./ Incorporates Jan.-July USGS monthly data and 75 daily reporting stations which may be revised after provision; data reports are distributed by USGS. Use to date estimated for users reporting monthly and annually.
- b./ California 2011 basic use apportionment of 4.4 MAF has been adjusted to 4.174 MAF for payback of Inadvertent Overrun and Payback Policy overruns (-1,213 AF), Intentionally Created Surplus Water by IID (-25,000 AF), Creation of Extraordinary Conservation ICS MWD (-200,000 AF)
- c./ 0.105 MAF conserved by IID-MWD Agreement as amended in 2007: 105,000 AF conserved for SDCWA under the IID-SDCWA Transfer Agreement as amended, 80,000 AF of which is being diverted by MWD; 16,000 AF required to conserved for CVWD under the IID-CVWD Acquisition Agreement, 67,700 AF conserved by the All-American Canal Lining Project.
- d./ 30,850 acre-feet conserved by the Coachella Canal Lining Project.
- e./ Includes estimated amount of 6,530 acre-feet of disputed uses by Yuma Island pumpers and 0 acre-feet by Yuma Project Ranch 5 being charged by USBR to Priority 2.
- f./ Includes unmeasured returns based on estimated consumptive use/diversion ratios by user from studies provided by Arizona Dept. of Water Resources, Colorado River Board of California, and Reclamation.

Monthly Total Colorado River Basin Storage



**FIGURE 1
SEPTEMBER 1, 2011 FORECAST OF 2011 YEAR-END COLORADO RIVER WATER USE
BY THE CALIFORNIA AGRICULTURAL AGENCIES**



Forecast of Colorado River Water Use by the California Agricultural Agencies (Millions of Acre-feet)			
Month	Use as of First of Month	Forecast of Year End Use	Forecast of Unused Water (1)
Jan	0.000	-----	-----
Feb	0.167	3.533	0.009
Mar	0.335	3.514	0.028
Apr	0.674	3.531	0.011
May	1.107	3.539	0.004
Jun	1.473	3.541	0.001
Jul	1.861	3.546	-0.004
Aug	2.285	3.566	-0.023
Sep			
Oct			
Nov			
Dec			
Jan			

(1) The forecast of unused water is based on the availability of 3.542 MAF under the first three priorities of the water delivery contracts. This accounts for the 85,000 af of conserved water available to MWD under the 1988 IID-MWD Conservation agreement and the 1988 IID-MWD-CVWD-PVID Agreement as amended; 80,000 AF of conserved water available to SDCWA under the IID-SDCWA Transfer Agreement as amended being diverted by MWD; as estimated 29,000 AF of conserved water available to SDCWA and MWD as a result of the Coachella Canal Lining Project, 67,700 AF of water available to SDCWA and MWD as a result of the All American Canal Lining Project; 14,500 AF of water IID and CVWD are forbearing to permit the Secretary of the Interior to satisfy a portion of Indian and miscellaneous present perfected rights use and 25,000 AF of water IID is conserving to create Extraordinary Conservation Intentionally Created Surplus. 0 AF has been subtracted for IID's Salton Sea Salinity Management in 2011. As USBR is charging uses by Yuma Island pumpers to priority 2, the amount of unused water has been reduced by those uses - 6,530 AF. The CRB does not concur with USBR's viewpoint on this matter.

COLORADO RIVER BOARD OF CALIFORNIA

July 28, 2011

COLORADO RIVER WATER REPORT

The following report summarizes data obtained from provisional reports of the U.S. Geological Survey, U.S. Bureau of Reclamation, International Boundary and Water Commission, and Imperial Irrigation District.

I. Active Surface Storage^{1/} in Reservoirs at end of Month (Thousand Acre-feet).

<u>June 2011</u>					
<u>Upper Basin</u>	<u>Storage</u>	<u>Elevation in feet</u>	<u>% of Capacity</u>	<u>Change During Month</u>	<u>Change from 2010</u>
Lake Powell	17,089	3,649.0	70%	2,993	1,226
Flaming Gorge	3,315	6,029.1	88%	165	81
Fontenelle	178	6,482.0	52%	58	-136
Navajo	1,462	6,068.7	86%	34	-82
Blue Mesa	735	7,508.7	89%	242	-0
Morrow Point	114	7,155.7	97%	-0	2
Crystal	<u>17</u>	<u>6,752.9</u>	<u>94%</u>	<u>-0</u>	<u>0</u>
Sub-total	22,909		74%	3,491	1,091
<u>Lower Basin</u>					
Lake Mead	11,705	1,102.4	45%	401	1,149
Lake Mohave	1,679	642.3	93%	-49	-47
Lake Havasu	<u>575</u>	<u>447.7</u>	<u>93%</u>	<u>-18</u>	<u>-18</u>
Sub-total	13,959		49%	334	1,085
Upper and Lower Basin Total	36,868 ^{2/}		62%	3,825	2,175

^{1/} Figures shown do not include reservoir dead storage.

^{2/} Storage above minimum operation level is 36,868 - 15,936 = 20,932 thousand acre-feet. Minimum operation level (15,936 thousand acre-feet) is defined as the sum of active content at minimum power pool plus minimum active content required to make surface diversions at Lake Havasu and Navajo Reservoir.

II. Upper Basin Discharge (Acre-feet).

<u>Station</u>	<u>Meas. Flow June 2011</u>	<u>Cumulative Flow October thru June</u>	<u>Meas. Flow Adjusted for CRSP Surface Storage Changes</u>	
			<u>June 2011</u>	<u>% of June 89- year average (1922-2010 water years)</u>
Green River at Green River, Utah	2,218,000	5,106,400	2,382,600	220%
Colorado River near Cisco, Utah	2,154,000	4,943,100	2,394,900	183%
San Juan River near Bluff, Utah	271,800	691,900	306,000	88%
At Lee Ferry (Compact Point)	1,419,600	8,857,100	4,852,800	174%

III. Lower Basin Discharge (Acre-feet).

<u>Station</u>	<u>June 2011</u>	<u>Cumulative Flow October thru June</u>
Below Hoover Dam	939,600	7,298,400
Below Davis Dam	954,300	7,171,900
Below Parker Dam	712,200	4,847,700
Above Imperial Dam	552,900	4,259,300

IV. Consumptive Use of Lower Colorado River Mainstream Water (Acre-feet).
June, 2011

California Users	Diversion	Return	Consumptive Use	Change in Cons. Use From Jun. 2010	Cumulative Cons. Use		
					January thru June	Change from prev. Jan. thru Jun.	12 Months thru June
Palo Verde Irrig. Dist.	95,760	42,520	53,240	5,270	183,340	55,090	365,150
Yuma Proj. (Res. Div.) ^{b/}	4,840	2,640	2,200	-810	28,090	9,810	48,430
Imperial Irrig. Dist. ^{a/}	295,790		295,790	25,330	1,457,180	180,330	2,714,650
Salton Sea Mitigation	0		0	0	0	-1,700	77,640
USBR Operations	1,390		1,390	1,390	45,880	45,880	58,370
IID plus Salton Sea Mitigation	297,180		297,180	26,720	1,503,060	224,510	2,850,660
Coachella Val. Wat. Dist. ^{a/}	32,210		32,210	660	146,620	10,950	312,840
Subtotal	429,990	45,160	384,830	31,840	1,861,110	300,360	3,577,080
Fort Mojave Ind. Res. ^{c/}	1,620	750	870	-3,130	4,880	-5,640	19,120
Cal. Miscellaneous ^{d/}	4,830		4,830	0	15,950	0	34,000
Metropolitan Water Dist.	96,090	420	95,670	4,910	394,320	-96,270	1,000,290
Total	532,530	46,330	486,200	33,620	2,276,260	198,450	4,630,490
<u>Arizona Users</u>							
Central Arizona Project	154,630		154,630	-16,090	906,380	65,340	1,717,260
Colorado River Ind. Res.	79,180	20,410	58,770	-2,710	194,450	-590	412,520
Gila Gravity Main Canal	86,530	14,550	71,980	11,530	310,930	78,640	605,650
Yuma Proj. (Valley Div.)	28,480	14,910	13,570	-2,630	120,140	18,700	231,740
Fort Mojave Ind. Res. ^{c/}	10,580	4,860	5,720	-3,460	19,910	-20,920	64,210
Havasut Nat. Wildlife Ref.	470	0	470	-4,730	2,200	-17,640	17,850
Arizona Miscellaneous ^{d/}	9,700		9,700	0	40,720	0	85,000
Total	369,570	54,730	314,840	-18,090	1,594,730	123,530	3,134,230
<u>Nevada Users</u>							
From Lake Mead ^{b/}	40,430	9,300	31,130	-640	116,210	1,640	284,330
Mohave Steam Plant	20		20	-40	90	-60	310
Total	40,450	9,300	31,150	-680	116,300	1,580	284,640
Total Consumptive Use (Ariz., Cal., Nev.)	942,550	110,360	832,190	14,850	3,987,290	323,560	8,049,360

a. Based on measurements below Pilot Knob (assumed to be equal to USBR Article V data after credit is given for unmeasured California return flows between Imperial Dam and Pilot Knob). In addition, Salton Sea mitigation is not part of IID's use but is included in IID total diversion. USBR Operations consists of Salton Sea Operations 0 acre-feet and Warren H. Brock Reservoir Operations 4,040 acre-feet.

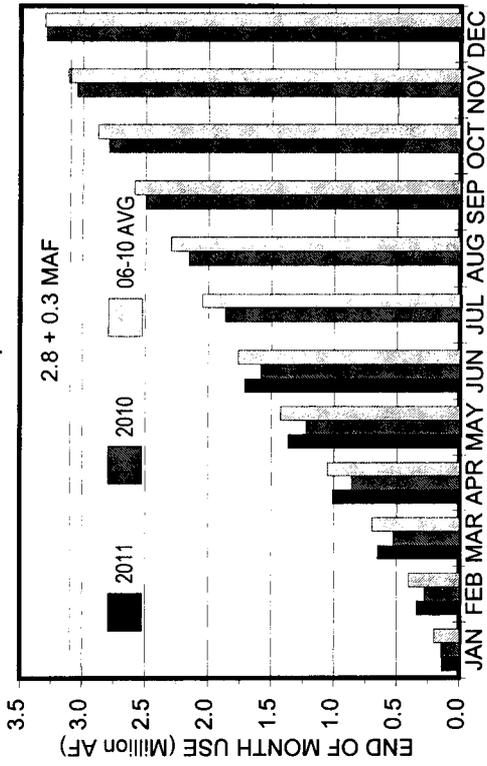
b. Return flow estimates based on averages of past returns as calculated by USBR for Article V data.

c. Starting January 2011 consumptive use value is diversion minus returns as reported by Reclamation.

d. An estimated residual made by the Colorado River Board of California combining such items as small diversions along the river, unmeasured groundwater return flow, etc., which, when combined with other quantities listed to arrive at the State's total, presents an estimate of the State's Consumptive use of Lower Colorado River water.

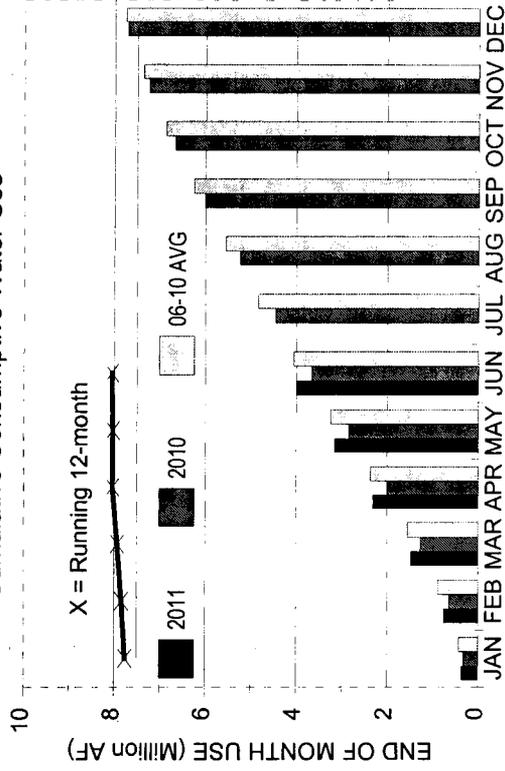
ARIZONA + NEVADA

Cumulative Consumptive Water Use



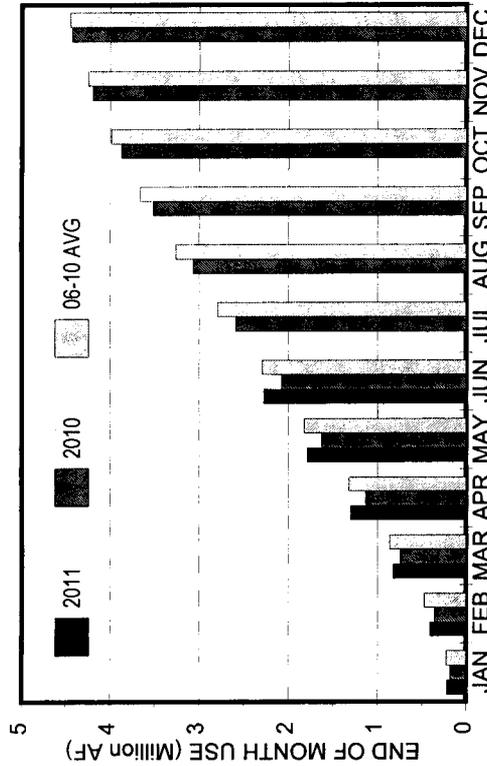
ARIZONA + CALIFORNIA + NEVADA

Cumulative Consumptive Water Use



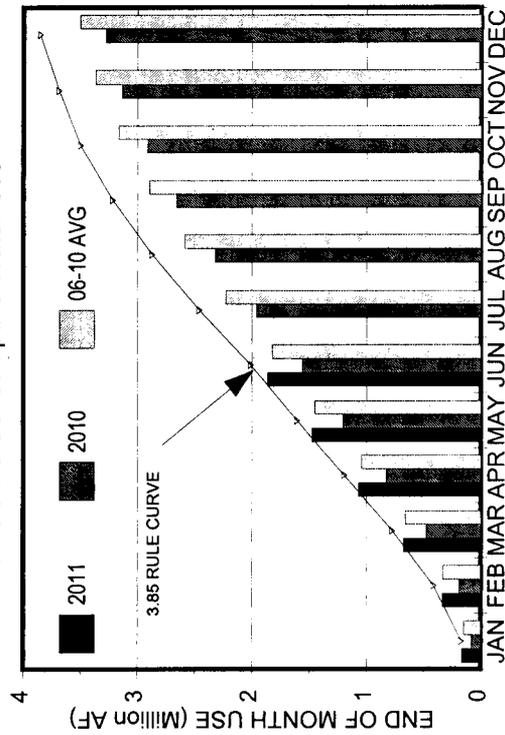
CALIFORNIA

Cumulative Consumptive Water Use



California Agricultural 3.85 Priority

Cumulative Consumptive Water Use



September 1, 2011, Observed Colorado River Flow into
Lake Powell (1) (Million Acre-feet)

	<u>USBR and National Weather Service</u>		<u>Change From Last</u>	
	<u>April-July 2011</u>	<u>Water Year 2011</u>	<u>April-July 2011</u>	<u>Wat Yr 2011</u>
Maximum (2)	12.950	17.197	0.030	0.118
Mean	12.920 *	16.897 **	0.000	-0.182
Minimum (2)	12.900	16.797	-0.020	-0.282

* This month's A-J observed is 163% of the 30-year A-J average shown below.

** This month's W-Y observed is 140% of the 30-year W-Y average shown below.

Comparison with past records
of Colorado River
inflow into Lake Powell
(at Lee Ferry prior to 1962)

	<u>April-July Flow</u>	<u>Water Year Flow</u>
Long-Time Average (1922-2010)	7.741	11.519
30-yr. Average (1961-90)	7.735	11.724
10-yr. Average (2001-2010)	5.203	8.449
Max. of Record	15.404 (1984)	21.873 (1984)
Min. of Record	1.115 (2002)	3.058 (2002)
Year 2000	4.352	7.310
Year 2001	4.301	6.955
Year 2002	1.115	3.058
Year 2003	3.918	6.358
Year 2004	3.640	6.128
Year 2005	8.810	12.614
Year 2006	5.318	8.769
Year 2007	4.052	8.231
Year 2008	8.906	12.356
Year 2009	7.804	10.633
Year 2010	5.795	8.738
Total Years 2000 - 2004	17.326	29.809
5-Year Average (2000-2004)	3.465	5.962

(1) Under conditions of no other Upper Basin reservoirs.

(2) USBR and NWS forecasts indicate the probability of 95 percent of the time the actual flow will not exceed the maximum value, and will not be less than the minimum value.

VI. Scheduled Flows to Mexico — Arrivals and excess arrivals of Water for Calendar Year 2011
(Acre-feet)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Scheduled Flow ⁽⁹⁾	Total Arrivals	Excess Arrivals in accord with Minute 242	Other Excess Arrivals	Total Excess Arrivals	Cumulative Excess Arrivals	Flow Through NIB and Limitrophe	Flow By-Pass Southerly International Boundary
Jan.	128,113	146,704	5,905	12,686	18,591	18,591	130,960	5,905
Feb.	155,921	179,145	5,785	17,439	23,224	41,815	162,997	5,785
March	195,427	205,858	6,960	3,471	10,431	52,246	186,916	6,960
April	192,064	215,185	11,516	11,605	23,121	75,367	189,110	11,516
May	110,741	128,851	13,637	4,473	18,110	93,477	99,134	13,637
June	119,567	133,593	13,283	743	14,026	107,503	105,689	13,283
July	108,886							
August	83,985							
Sept.	78,135							
Oct.	56,799							
Nov.	97,713							
Dec.	106,451							
	<u>1,433,802</u>	<u>1,009,336</u>	<u>57,086</u>	<u>50,417</u>			<u>874,806</u>	<u>57,086</u>

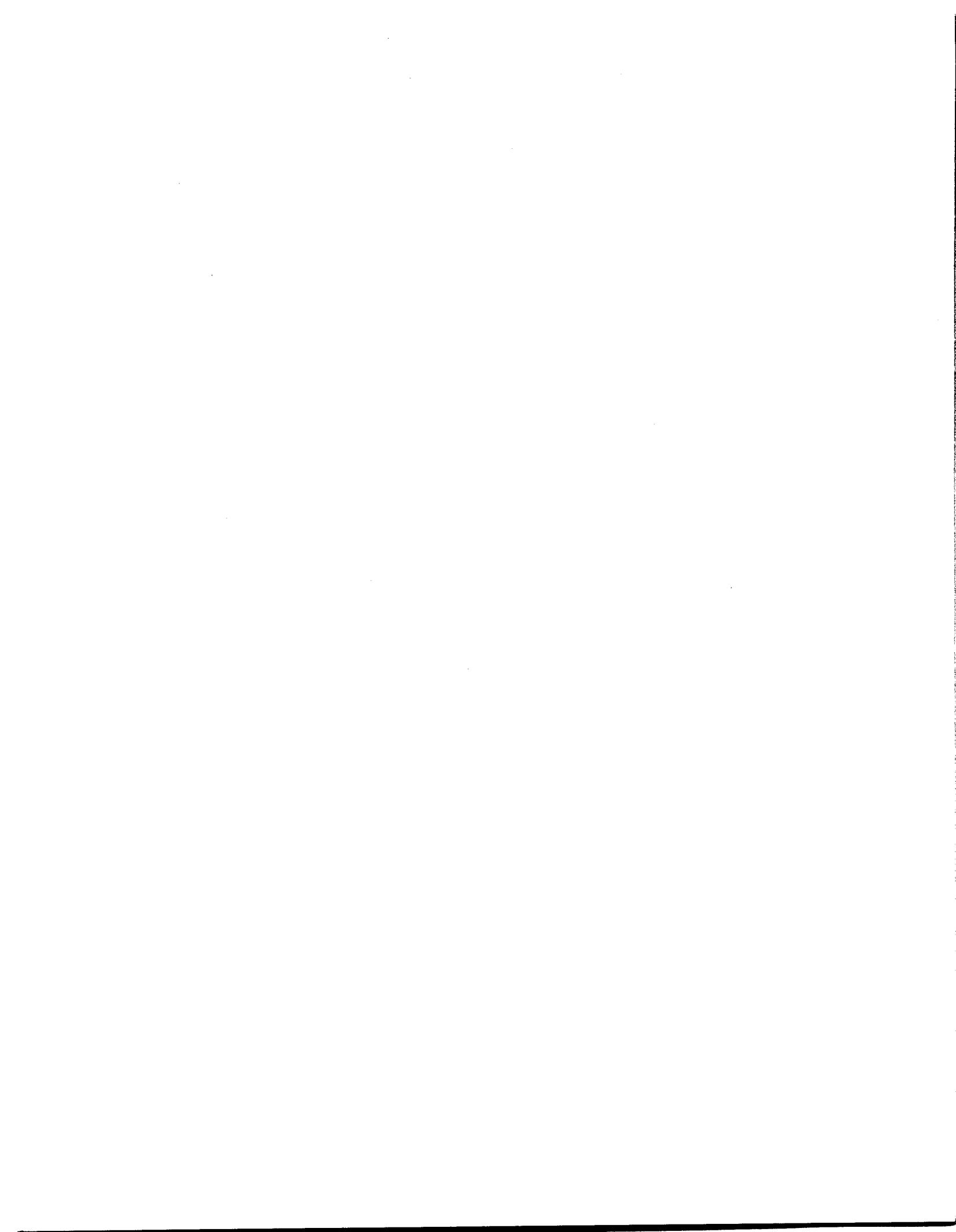
- Column (1). Flow schedule requested by Mexico. In surplus years as determined by the United States, Mexico can schedule up to 1.7 rather than 1.5 million acre-feet.
- (2). Total Colorado River waters reaching Mexico. It is the sum of: 1) Colorado River water measured at the Northerly International Boundary, 2) drainage waters measured at the Southerly International Boundary near San Luis, Arizona, and 3) Wellton-Mohawk drainage waters measured at the Southerly International Boundary. It is the sum of Columns (1) + (5).
- (3). Arizona's Wellton-Mohawk Irrigation and Drainage District drainage water. This water is discharged to the Santa Clara Slough in Mexico via a concrete-lined canal.
- (4). Excess arrivals other than Wellton-Mohawk drainage. It is the sum of: 1) a delivery of about 5,000 a. f. per year to ensure that Mexico receives what is scheduled, 2) releases from Parker Dam which are not used due to unexpected rainfall in the Palo Verde, Coachella, Imperial, and and Yuma areas, 3) controlled flood releases on the Gila and Colorado River, and 4) local runoff.
- (5). Sum of Columns (3) and (4).
- (6). Cumulation of Column (5).
- (7). Including Colorado River flow at the Northerly International Boundary plus flow from Cooper, 11-mile, and 21-mile spillways.
- (8). Including flow at the Southerly International Boundary, from the East and West Main canals, Yuma Valley Main, 242 Lateral plus diversions from Lake Havasu for Tijuana.
- (9). Revised schedule of Calander Year 2011 as of May 27, 2011

WEIGHTED MONTHLY SALINITY AT
SELECTED COLORADO RIVER STATIONS
AND RUNNING 12-MONTH NIB-IMPERIAL FLOW-WEIGHTED SALINITY DIFFERENTIAL
(in parts per million)

Month	Below Hoover Dam		Below Parker Dam ^{3/}		Palo Verde ^{3/} Canal Near Blythe		At Imperial Dam		At Northerly International Boundary		Running 12-Month Flow-Wtd. Differential ^{2/}	
	5-Year avg. ^{1/}	2010	5-Year avg. ^{1/}	2010	5-Year avg. ^{1/}	2010	5-Year avg. ^{1/}	2010	5-Year avg. ^{1/}	2010	2010	2011
Jan.	690	623	709	630	751	660	913	756	1,041	831	130.7	143.3
Feb.	675	628	706	660	732	690	835	729	998	856	131.2	137.9
March	684	622	699	640	727	650	805	663	925	746	125.8	147.1
April	680	613	700	630	714	650	801	672	892	752	123.6	153.6
May	677	614	698	630	709	640	822	685	962	951	130.6	146.3
June	678	607	695	610	712	640	812	672	956	909	136.3	140.1
July	682	611	688	620	709	620	797	658	909	834	139.8	
August	690	594	686	620	706	620	800	678	907	888	142.7	
Sept.	672	590	686	620	737	650	815	676	952	843	144.0	
Oct.	680	592	689	620	739	630	854	694	1,070	783	141.1	
Nov.	682	609	692	640	746	650	897	692	1,010	816	142.9	
Dec.	681	596	702	620	731	650	877	733	999	819	137.3	

General Notes:

- 1/ 5-Year averages are arithmetical.
- 2/ 12-month flow-weighted differential between NIB and Imperial Dam through month shown in left column.
- 3/ Operational values only.
- 4/ Values are grab samples (one or two samples per month) and are rounded to represent general magnitude of salinity at Parker Dam and Palo Verde Canal.



COLORADO RIVER BOARD OF CALIFORNIA

June 28, 2011

COLORADO RIVER WATER REPORT

The following report summarizes data obtained from provisional reports of the U.S. Geological Survey, U.S. Bureau of Reclamation, International Boundary and Water Commission, and Imperial Irrigation District.

I. Active Surface Storage^{1/} in Reservoirs at end of Month (Thousand Acre-feet).

<u>May 2011</u>					
<u>Upper Basin</u>	<u>Storage</u>	<u>Elevation in feet</u>	<u>% of Capacity</u>	<u>Change During Month</u>	<u>Change from 2010</u>
Lake Powell	14,096	3,623.1	58%	1,170	-310
Flaming Gorge	3,150	6,024.7	84%	1	-46
Fontenelle	120	6,470.2	35%	-8	3
Navajo	1,428	6,066.1	84%	70	-78
Blue Mesa	493	7,478.3	59%	16	-108
Morrow Point	114	7,156.2	97%	3	1
Crystal	<u>17</u>	<u>6,753.4</u>	<u>96%</u>	<u>0</u>	<u>0</u>
Sub-total	19,418		62%	1,253	-537
<u>Lower Basin</u>					
Lake Mead	11,304	1,097.9	43%	189	317
Lake Mohave	1,727	644.0	95%	20	48
Lake Havasu	<u>593</u>	<u>448.7</u>	<u>96%</u>	<u>3</u>	<u>-3</u>
Sub-total	13,625		48%	212	362
Upper and Lower Basin Total	33,043 ^{2/}		55%	1,465	-175

1/ Figures shown do not include reservoir dead storage.

2/ Storage above minimum operation level is 33,043 - 15,936 = 17,107 thousand acre-feet. Minimum operation level (15,936 thousand acre-feet) is defined as the sum of active content at minimum power pool plus minimum active content required to make surface diversions at Lake Havasu and Navajo Reservoir.

II. Upper Basin Discharge (Acre-feet).

<u>Station</u>	<u>Meas. Flow May 2011</u>	<u>Cumulative Flow October thru May</u>	<u>Meas. Flow Adjusted for CRSP Surface Storage Changes</u>	
			<u>May 2011</u>	<u>% of May 89- year average (1922-2010 water years)</u>
Green River at Green River, Utah	1,280,000	2,888,400	1,280,700	139%
Colorado River near Cisco, Utah	1,118,000	2,789,100	1,137,900	93%
San Juan River near Bluff, Utah	70,300	420,100	140,700	38%
At Lee Ferry (Compact Point)	1,207,800	7,437,500	2,468,800	101%

III. Lower Basin Discharge (Acre-feet).

<u>Station</u>	<u>May 2011</u>	<u>Cumulative Flow October thru May</u>
Below Hoover Dam	1,002,100	6,358,800
Below Davis Dam	941,400	6,217,600
Below Parker Dam	682,500	4,135,500
Above Imperial Dam	575,700	3,706,400

IV. Consumptive Use of Lower Colorado River Mainstream Water (Acre-feet).
May, 2011

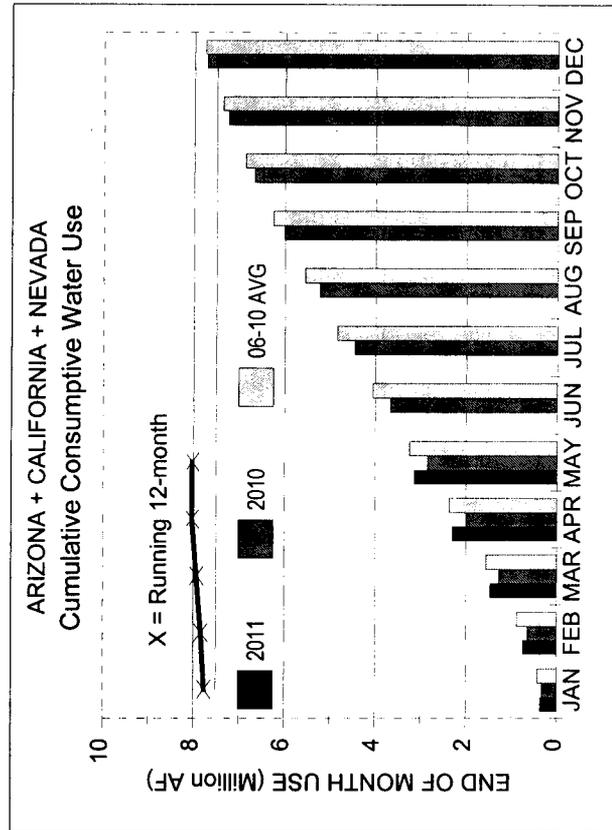
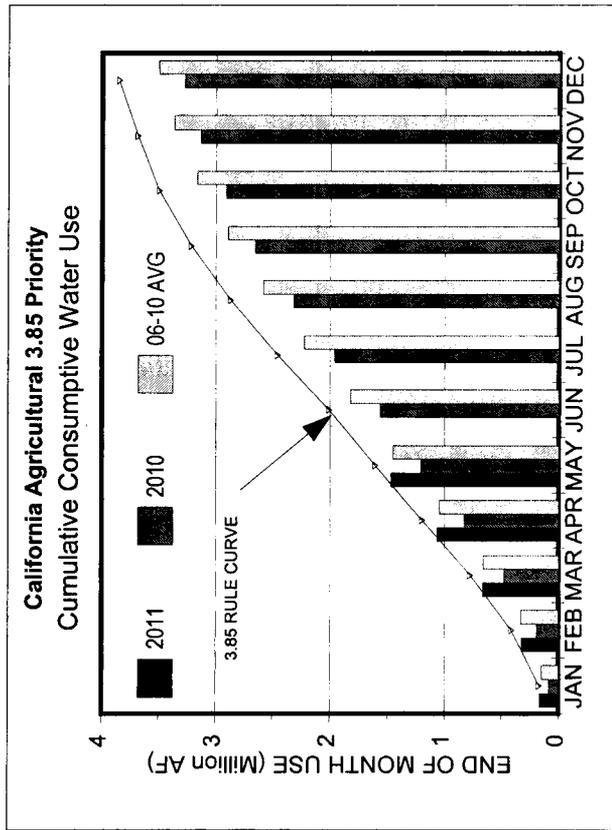
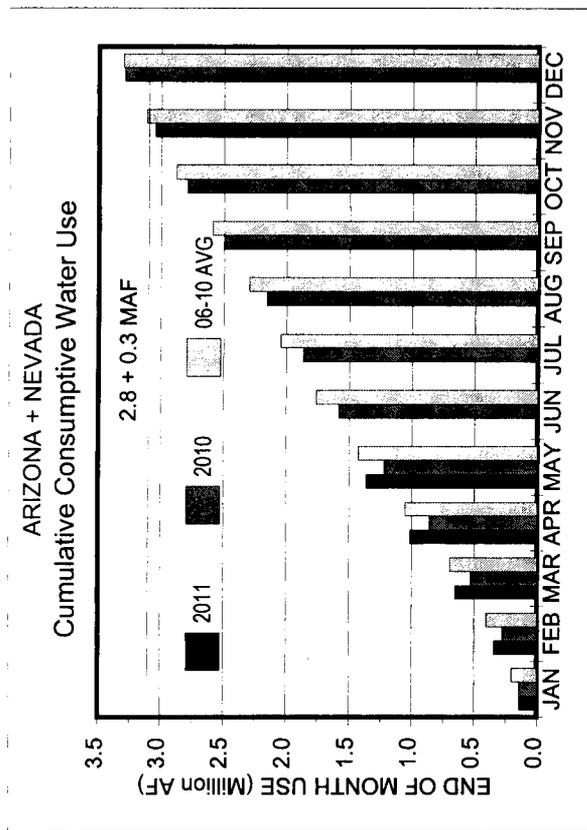
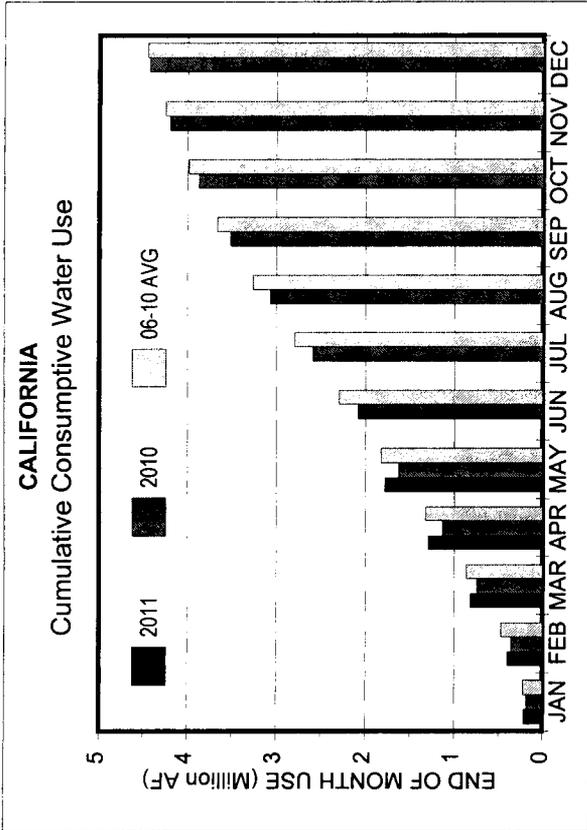
California Users	Diversion	Return	Consumptive Use	Change in Cons. Use From May 2010	Cumulative Cons. Use		
					January thru May	Change from prev. Jan. thru May	12 Months thru May
Palo Verde Irrig. Dist.	87,720	42,050	45,670	3,990	130,100	49,820	359,880
Yuma Proj. (Res. Div.) ^{b/}	9,960	3,070	6,890	1,200	25,890	10,620	49,240
Imperial Irrig. Dist. ^{a/}	307,650		307,650	4,680	1,161,390	155,000	2,689,320
Salton Sea Mitigation	0		0	0	0	-1,700	77,640
USBR Operations	12,660		12,660	12,660	44,490	44,490	56,980
IID plus Salton Sea Mitigation	320,310		320,310	17,340	1,205,880	197,790	2,823,940
Coachella Val. Wat. Dist. ^{a/}	31,090		31,090	0	114,410	10,290	312,180
Subtotal	449,080	45,120	403,960	22,530	1,476,280	268,520	3,545,240
Fort Mojave Ind. Res. ^{c/}	1,960	910	1,050	-1,550	4,010	-2,510	22,250
Cal. Miscellaneous ^{d/}	3,090		3,090	0	11,120	0	34,000
Metropolitan Water Dist.	83,540	430	83,110	-18,740	298,650	-101,180	995,380
Total	537,670	46,460	491,210	2,240	1,790,060	164,830	4,596,870
<u>Arizona Users</u>							
Central Arizona Project	166,470		166,470	-5,340	751,750	81,430	1,733,350
Colorado River Ind. Res.	70,140	22,940	47,200	-5,470	135,680	2,120	415,230
Gila Gravity Main Canal	80,880	13,590	67,290	11,150	238,950	67,110	594,120
Yuma Proj. (Valley Div.)	42,160	16,430	25,730	120	106,570	21,330	234,370
Fort Mojave Ind. Res. ^{c/}	8,680	3,990	4,690	-4,260	14,190	-17,460	67,670
Havasut Nat. Wildlife Ref.	290	0	290	-4,720	1,730	-12,910	22,580
Arizona Miscellaneous ^{d/}	9,250		9,250	0	31,020	0	85,000
Total	377,870	56,950	320,920	-8,520	1,279,890	141,620	3,152,320
<u>Nevada Users</u>							
From Lake Mead ^{b/}	42,160	11,380	30,780	-1,170	85,080	2,280	284,970
Mohave Steam Plant	20		20	0	70	-20	350
Total	42,180	11,380	30,800	-1,170	85,150	2,260	285,320
Total Consumptive Use (Ariz., Cal., Nev.)	957,720	114,790	842,930	-7,450	3,155,100	308,710	8,034,510

a. Based on measurements below Pilot Knob (assumed to be equal to USBR Article V data after credit is given for unmeasured California return flows between Imperial Dam and Pilot Knob). In addition, Salton Sea mitigation is not part of IID's use but is included in IID total diversion. USBR Operations consists of Salton Sea Operations 0 acre-feet and Warren H. Brock Reservoir Operations 4,040 acre-feet.

b. Return flow estimates based on averages of past returns as calculated by USBR for Article V data.

c. Starting January 2011 consumptive use value is diversion minus returns as reported by Reclamation.

d. An estimated residual made by the Colorado River Board of California combining such items as small diversions along the river, unmeasured groundwater return flow, etc., which, when combined with other quantities listed to arrive at the State's total, presents an estimate of the State's Consumptive use of Lower Colorado River water.



August 15, 2011, Observed Colorado River Flow into
Lake Powell (1) (Million Acre-feet)

	<u>USBR and National Weather Service</u>		<u>Change From Last</u>	
	<u>April-July 2011</u>	<u>Water Year 2011</u>	<u>Month's Projected</u>	<u>Wat Yr 2011</u>
Maximum (2)	13.220	17.779	1.720	2.395
Mean	12.920 *	17.079 **	1.420	1.695
Minimum (2)	12.720	16.779	1.220	1.395

* This month's A-J observed is 163% of the 30-year A-J average shown below.

** This month's W-Y observed is 142% of the 30-year W-Y average shown below.

Comparison with past records
of Colorado River
inflow into Lake Powell
(at Lee Ferry prior to 1962)

	<u>April-July Flow</u>	<u>Water Year Flow</u>
Long-Time Average (1922-2010)	7.741	11.519
30-yr. Average (1961-90)	7.735	11.724
10-yr. Average (2001-2010)	5.203	8.449
Max. of Record	15.404 (1984)	21.873 (1984)
Min. of Record	1.115 (2002)	3.058 (2002)
Year 2000	4.352	7.310
Year 2001	4.301	6.955
Year 2002	1.115	3.058
Year 2003	3.918	6.358
Year 2004	3.640	6.128
Year 2005	8.810	12.614
Year 2006	5.318	8.769
Year 2007	4.052	8.231
Year 2008	8.906	12.356
Year 2009	7.804	10.633
<u>Year 2010</u>	<u>5.795</u>	<u>8.738</u>
Total Years 2000 - 2004	17.326	29.809
5-Year Average (2000-2004)	3.465	5.962

(1) Under conditions of no other Upper Basin reservoirs.

(2) USBR and NWS forecasts indicate the probability of 95 percent of the time the actual flow will not exceed the maximum value, and will not be less than the minimum value.

VI. Scheduled Flows to Mexico — Arrivals and excess arrivals of Water for Calendar Year 2011
(Acre-feet)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Scheduled Flow ⁽⁹⁾	Total Arrivals	Excess Arrivals in accord with Minute 242	Other Excess Arrivals	Total Excess Arrivals	Cumulative Excess Arrivals	Flow Through NIB and Limitrophe	Flow By-Pass Southerly International Boundary
Jan.	128,113	146,704	5,905	12,686	18,591	18,591	130,960	5,905
Feb.	155,921	179,145	5,785	17,439	23,224	41,815	162,997	5,785
March	195,427	205,858	6,960	3,471	10,431	52,246	186,916	6,960
April	192,064	215,185	11,516	11,605	23,121	75,367	189,110	11,516
May	110,741	128,851	13,637	4,473	18,110	93,477	99,134	13,637
June	101,741							
July	108,886							
August	83,985							
Sept.	78,135							
Oct.	56,799							
Nov.	97,713							
Dec.	106,451							
	<u>1,415,976</u>	<u>875,743</u>	<u>43,803</u>	<u>49,674</u>			<u>769,117</u>	<u>43,803</u>

- Column (1). Flow schedule requested by Mexico. In surplus years as determined by the United States, Mexico can schedule up to 1.7 rather than 1.5 million acre-feet.
- (2). Total Colorado River waters reaching Mexico. It is the sum of: 1) Colorado River water measured at the Northerly International Boundary, 2) drainage waters measured at the Southerly International Boundary near San Luis, Arizona, and 3) Wellton-Mohawk drainage waters measured at the Southerly International Boundary. It is the sum of Columns (1) + (5).
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- (9). Revised schedule of Calendar Year 2011 as of May 27, 2011

WEIGHTED MONTHLY SALINITY AT
SELECTED COLORADO RIVER STATIONS
AND RUNNING 12-MONTH NIB-IMPERIAL FLOW-WEIGHTED SALINITY DIFFERENTIAL
(in parts per million)

Month	Below Hoover Dam		Below Parker Dam ^{3/}		Palo Verde ^{3/} Canal Near Blythe		At Imperial Dam		At Northerly International Boundary		Running 12-Month Flow-Wtd. Differential ^{2/}		
	5-Year avg. ^{1/} 1974-78	2010	5-Year avg. ^{1/} 1974-78	2010	5-Year avg. ^{1/} 1974-78	2010	5-Year avg. ^{1/} 1974-78	2010	5-Year avg. ^{1/} 1974-78	2010	5-Year avg. ^{1/} 1974-78	2010	2011
Jan.	690	623	709	630	751	660	913	756	1,041	831	130.7	143.3	
Feb.	675	628	706	660	732	690	835	729	998	856	131.2	137.9	
March	684	622	699	640	727	650	805	663	925	746	125.8	147.1	
April	680	613	700	630	714	650	801	672	892	752	123.6	153.6	
May	677	614	698	630	709	640	822	685	962	951	130.6	146.3	
June	678	607	695	610	712	640	812	672	956	909	136.3		
July	682	611	688	620	709	620	797	658	909	834	139.8		
August	690	594	686	620	706	620	800	678	907	888	142.7		
Sept.	672	590	686	620	737	650	815	676	952	843	144.0		
Oct.	680	592	689	620	739	630	854	694	1,070	783	141.1		
Nov.	682	609	692	640	746	650	897	692	1,010	816	142.9		
Dec.	681	596	702	620	731	650	877	733	999	819	137.3		

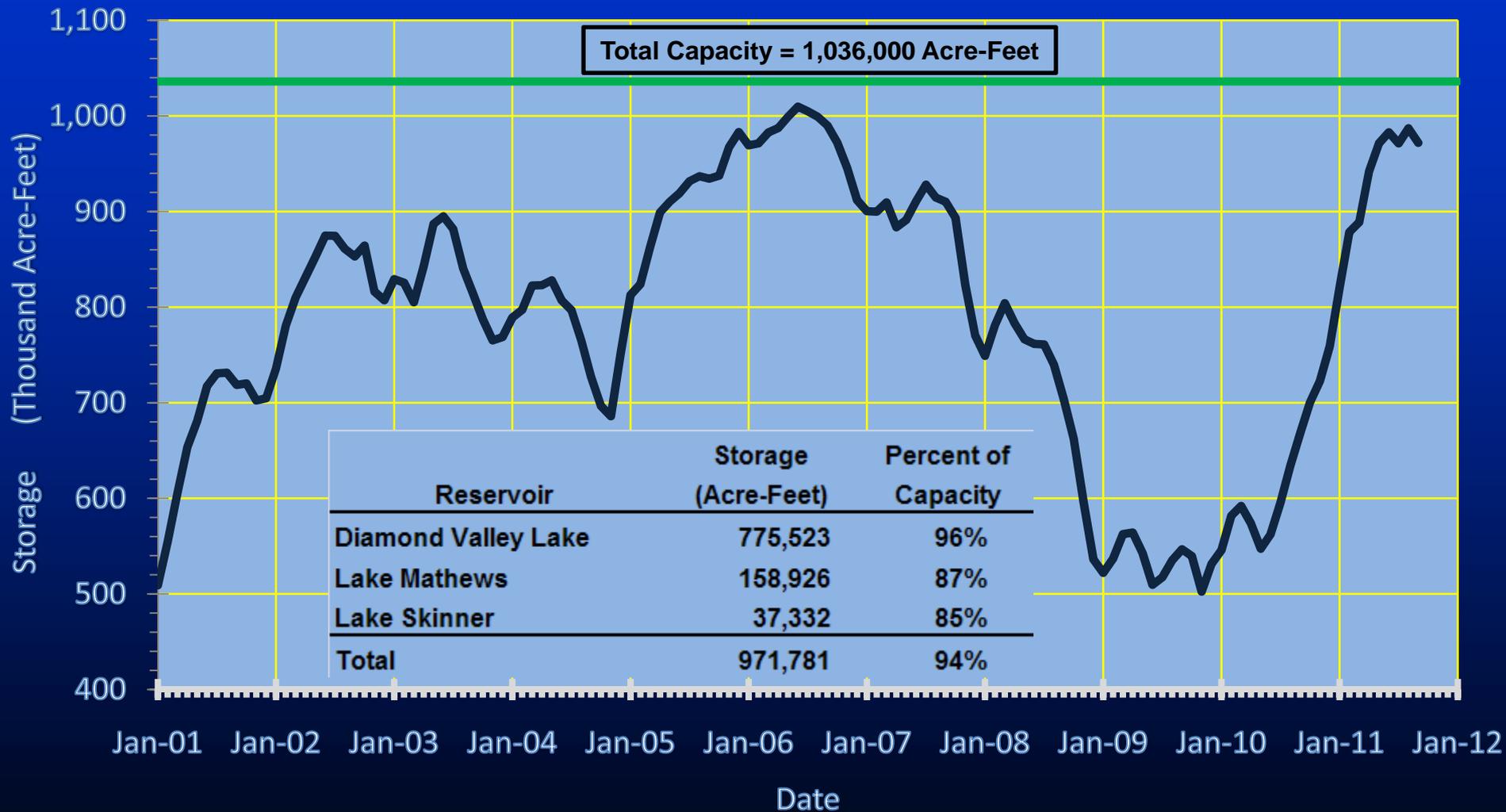
General Notes:

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- 3/ Operational values only.
- 4/ Values are grab samples (one or two samples per month) and are rounded to represent general magnitude of salinity at Parker Dam and Palo Verde Canal.

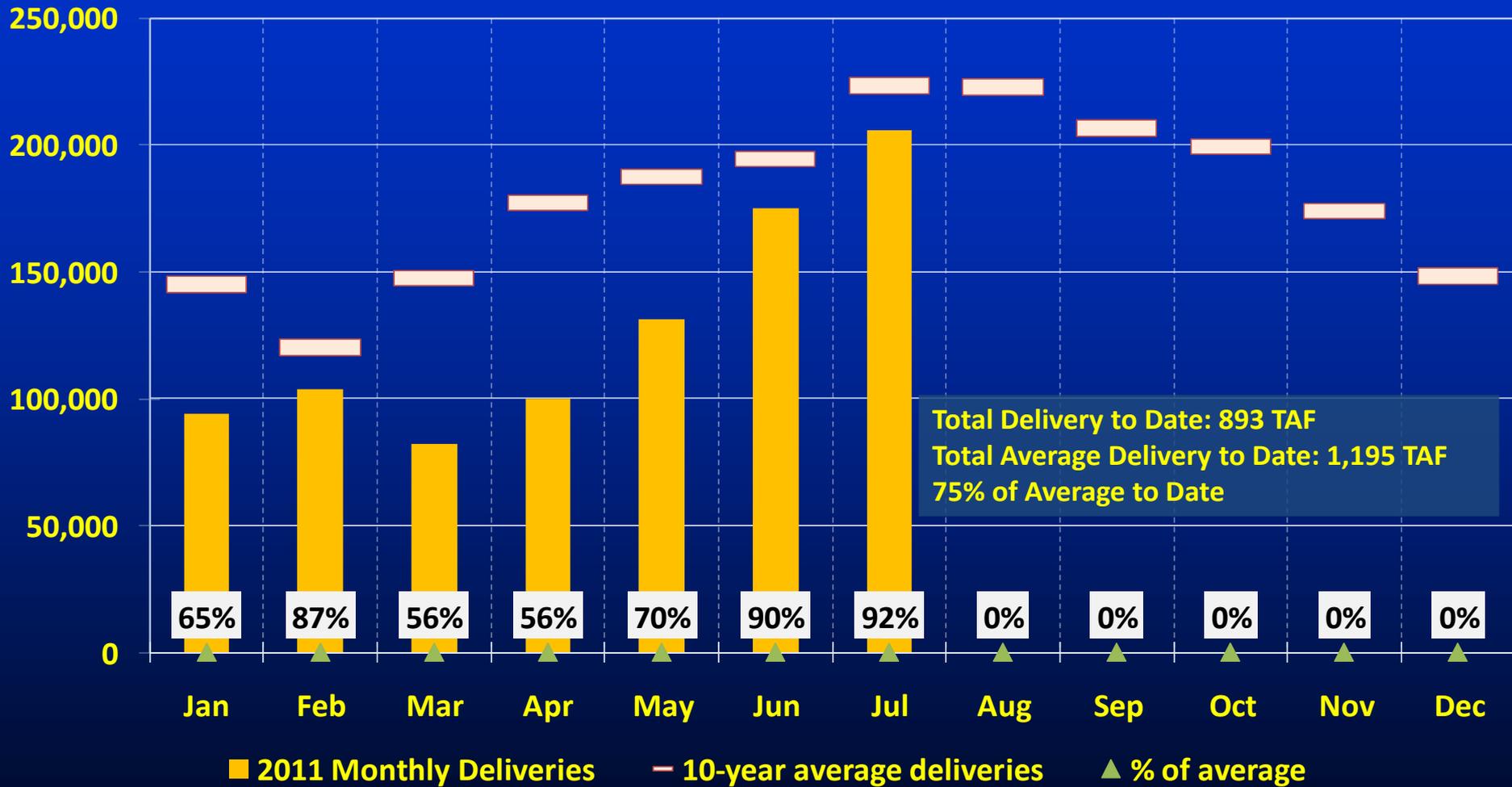
5.b. - State and Local Water Reports

MWD's Combined Reservoir Storage as of September 1, 2011

Lake Skinner, Lake Mathews, and Diamond Valley Lake



2011 Water Deliveries to Member Agencies (AF)



5.c. - Colorado River Operations

RECLAMATION

Managing Water in the West

**2012 Colorado River Annual
Operating Plan
Colorado River Management Work Group
(CRMWG)
Final Consultation
August 30, 2011**



U.S. Department of the Interior
Bureau of Reclamation



WESTERN RESOURCE ADVOCATES

Protecting the West's land, air, and water

For Immediate Release
Contact: Stacy Tellinghuisen
Ph.: (720) 763-3716

September 6, 2011

A Water Pipeline No One Can Afford

Flaming Gorge Pipeline found to be two to 10 times more expensive than other water project proposals

BOULDER, CO --The most expensive water in the history of Colorado. That would be the dubious distinction of the proposed Flaming Gorge Pipeline. A new report written by economist George Oamek outlines the costs of the proposed pipeline to Front Range water users, impacts on the tourism and recreation economy on the Green River, and some of the financial risks that Westerners would bear.

The proposed Flaming Gorge Pipeline would move 81 billion gallons each year 560 miles from southwestern Wyoming to cities along Colorado's Front Range. The concept is proposed by both a private developer, Aaron Million, and a group of municipalities in Douglas County.

The project – estimated by the Colorado Water Conservation Board to cost \$7 to \$9 billion – would provide water two to 10 times more expensive than water from other proposed or recently developed water projects. The report finds Flaming Gorge water would cost up to \$4,700 per acre-foot per year, compared to several other proposed projects expected to cost less than \$700 per acre-foot per year.

“Flaming Gorge pipeline costs would be completely out-of-whack with what Coloradans can afford and should have to pay, especially when there are cheaper alternatives.” said Stacy Tellinghuisen, a water and energy expert with Western Resource Advocates.

Other recent water projects in Colorado have had substantial impacts on ratepayers. Colorado Springs' Southern Delivery System, which, at just under \$1 billion is a relative bargain compared to the proposed Flaming Gorge project, has led to multi-year, double-digit rate increases for customers, long before construction began. The Flaming Gorge Pipeline would result in even greater rate impacts.

Water providers and project proponents in Douglas County would be unable to foot the bill. Neither federal nor state government agencies are poised to subsidize enormous new water projects. The State of Colorado faced a 715 million dollar budget shortfall in 2011, leaving no funds available to pay for a multi-billion dollar water project.

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www.westernresourceadvocates.org

The cost of this pipeline project will not only be paid by those who use the water. The report finds that for the recreation-dependent economy in the rural region surrounding the Flaming Gorge Reservoir, the impact of losing nearly a quarter of the Green River's flow would reduce the region's recreation revenue by \$58.5 million per year, roughly a 19% hit to this economic sector.

"Local businesses like mine depend on the same water that the Flaming Gorge pipeline wants to divert away," said Zeke Hersh, the owner of Blue River Anglers. "The recreation industry supports a lot of working people in rural Colorado, and if visitors aren't drawn out here for the fishing and rafting, they won't be around to eat in local restaurants, shop in our stores, or stay in local hotels. Businesses here will take a hit."

The Colorado Water Conservation Board, when it meets on September 13th in Grand Junction, is considering whether to spend \$150,000 to fund a task force to study the Flaming Gorge Pipeline.

"The proposed task force would squander taxpayer dollars," said Elise Jones, of the Colorado Environmental Coalition. "The State of Colorado should be looking at projects that are affordable, viable, and collaborative, not spending money on gold-plated pipedreams."

The full report is available online, along with an executive summary, and a quick overview of the report's findings.

Learn more about the pipeline at www.westernresourceadvocates.org/pipeline and www.stopflaminggorgepipeline.org

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Western Resource Advocates is a regional non-profit conservation organization dedicated to protecting the West's land, air, and water. Visit us online at www.westernresourceadvocates.org.

Economic and Financial Impacts of the Proposed Flaming Gorge Pipeline

Final Report

For



**WESTERN RESOURCE
ADVOCATES**

PROTECTING THE WEST'S LAND, AIR, AND WATER

By

Honey Creek Resources, Inc.

September 6, 2011

Table of Contents

Introduction.....	3
Background.....	3
Objectives.....	4
Analysis Methods.....	4
Recreation Impacts.....	4
Finance Plan.....	5
Dealing with Uncertainty.....	7
Report Organization.....	8
Economic Impacts to Recreation at Flaming Gorge Reservoir and on the Green River....	9
Flaming Gorge Recreation.....	9
Green River Recreation.....	13
Impacts to Local Expenditures and Regional Economic Impacts.....	16
Project Water Availability and Front Range Water Demand.....	19
Water Availability.....	19
Front Range Water Demand for Flaming Gorge Supplies.....	21
Finance Plan Assumptions.....	23
Timeframe.....	23
Inflation.....	24
First Use of Water and Reuse.....	24
Private Project Development.....	25
Public Project Development.....	25
Capital Costs.....	25
Discussion.....	25
Capital Costs Assumed for the Analysis.....	29
Project Operation and Maintenance Costs.....	29
Financing Costs.....	32
Results of the Cash Flow Analysis.....	35
Private Project (Million Project).....	36
Public Project.....	39
Impacts of Additional Water Supply Uncertainties.....	42
Priority Calls.....	42
Climate Change.....	42
Impact of Priority Calls and Climate Change.....	44
Conclusions.....	46
Flaming Gorge Recreation and Regional Economy.....	46
Summary of Impacts.....	46
Conclusions.....	46
Front Range Water Supply.....	47
Summary.....	47
Conclusions.....	47

WYOMING BUSINESS REPORT

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Study: Flaming Gorge pipeline 'most expensive'

By MJ Clark

A study released yesterday declared that water obtained by constructing a pipeline from the Green River in Wyoming to Colorado would cost up to 10 times the price of water from local development projects, making it the most expensive water project in Colorado history.

The pipeline, as proposed by Fort Collins entrepreneur Aaron Million in revised plans filed with the Federal Energy Regulatory Commission on Sept. 1, would tap into the Green River at two sites: one just three miles below the city of Green River, the other from the western side of the Flaming Gorge Reservoir.

The pipeline would be up to 120 inches in diameter and would run 501 miles from the reservoir, through southeast Wyoming down to Pueblo and northeast Larimer County in Colorado. Estimates of the pipeline's cost are between \$7 billion and \$9 billion.

The study, commissioned by Western Resource Advocates and written by George Oamek of Honey Creek Resources, also noted that diverting water from the Flaming Gorge Reservoir would reduce the reservoir level by about 10 feet. This would hurt businesses that rely on sportsmen in Flaming Gorge and river rafters along the Green and Colorado rivers, resulting in a potential annual decline of \$58.5 million.

To read the full study:

<http://www.westernresourceadvocates.org/water/pipeline/FG EconImpactReport.pdf>

Flaming Gorge Reservoir.

Pricey Wyoming pipeline project ratchets up water worries along Colorado's Front Range

By David O. Williams | 09.08.11 | 6:15 am

It's not exactly Perrier-pricey, but pretty damn close, according to opponents of the massive proposed Flaming Gorge pipeline project that would pump water out of the Green River in southwest Wyoming and suck it back over the Continental Divide to Colorado's Front Range.

Fort Collins developer Aaron Million recently revised his plans for the project and re-filed with the Federal Energy Regulatory Commission (FERC), according to the Fort Collins Coloradoan. Million had been seeking approval of the project from the U.S. Army Corps of Engineers but switched regulators this summer because he's now including 550 megawatts of hydroelectric power.

His original plans called for moving 250,000 acre feet of water through a 500-plus-mile pipeline along Interstate 80 and then down the Front Range of Colorado – a private project the state estimates could cost between \$7 billion and \$9 billion.

The new plan is called the Regional Watershed Supply Project, and it has garnered opposition all the way from the southwest Wyoming towns of Green River and Rock Springs to Colorado's populous Front Range, where conservation groups say it would be far too costly both economically and environmentally.

A report authored by economist George Oamek and released Tuesday (pdf) found that Flaming Gorge pipeline water would cost up to \$4,700 per acre-foot compared to other proposed water diversion projects that would come in at around \$700 per acre-foot.

The Colorado Water Conservation Board at its meeting in Grand Junction next week is expected to vote on whether to spend \$150,000 on a task force to study the Flaming Gorge pipeline. A group of water users on Colorado's Front Range also has proposed a similar pipeline project.

“The proposed task force would squander taxpayer dollars,” said Elise Jones of the Colorado Environmental Coalition. “The state of Colorado should be looking at projects that are affordable, viable, and collaborative, not spending money on gold-plated pipe dreams.”

Million first floated the Flaming Gorge idea in 2007, making the case that Colorado has the right to up to 250,000 acre-feet of the Green River under the Colorado River Compact because the river twists through northwest Colorado before ultimately flowing into the Colorado River in Utah.

But Oamek estimates southwest Wyoming could take a more than \$58 million a year hit to its outdoor recreation industry if the pipeline is ever built. Not surprisingly, residents of that part of the state are mostly dead-set against the project. Million, however, has wooed eastern Wyoming residents, promising some of that water could come their way as it flows to the much thirstier Front Range of Colorado.

The editorial board of the Casper Star Tribune was not impressed:

“If there’s not enough water to support the current rate of population growth along Colorado’s Front Range without importing it from elsewhere, perhaps development should be slowed. At the very least, it would be nice if Colorado kept its internal water worries to itself.”

Editorial writers at the Pueblo Chieftain in southern Colorado, however, seem to love the idea.

“There’s growing support for the concept to pipe water from Flaming Gorge Reservoir across southern Wyoming and down the Front Range of Colorado. But impediments are being mounted. Various environmental groups are opposing even a study of the proposal.

“If the enviros are so concerned about the environment, let them visit Crowley County, where the loss of most of its water has turned huge swatches of formerly productive farmland into a giant weed patch. Do they want more of that? We certainly hope not.”

Follow David O. Williams on Twitter.

Categories & Tags: Arrangement| Economy/Finance| Environment/Energy| Politics| aaron million | Colorado River | flaming gorge pipeline | flaming gorge reservoir | Front Range | Green River | water diversion | Wyoming |



See more news releases in: Environmental Products & Services, Environmental Issues, Advocacy Group Opinion, Labor & Union

Nuestro Rio (the Colorado River) a National Latino Water Conservation Campaign will Launch in Washington, DC Next Week

Nuestro Rio seeks to save a river, a way of life and more than 750,000 jobs through the Southwest.

LOS ANGELES, Sept. 9, 2011 /PRNewswire-USNewswire/ -- The following is being released by Nuestro Rio:

WHAT: A reception to kick-off *Nuestro Rio*, a national Latino-led campaign that seeks to preserve the Colorado River and its tributaries for generations to come. This national campaign to engage Latinos in this conservation effort is the first of its kind.

WHAT: Tuesday, September 13, 2011
4 p.m. to 6 p.m.

WHERE: The Source Restaurant
575 Pennsylvania Avenue, N.W.
Washington, DC 20001

WHO: Actress and philanthropist, Celines Toribio will welcome and introduce the goals of Nuestro Rio to invited guests. Department of the Interior, Secretary Ken Salazar has also been invited to speak about his views of the Colorado River and the growing demands on the river's resources.

WHY: Latinos have a rich cultural history connected to the Colorado River, and now the River and its tributaries are under threat. The mighty River is drying up due to consumption, drought and climate change. In fact the River no longer reaches Mexico's Sea of Cortez as it had for millions of years.

Latinos and other Americans in the southwest depend upon the River to sustain their way of life and bolster the economy through recreation and tourism. *Nuestro Rio's* goal is to educate decision-makers and the public about the need protect this lifeline in the West. They have begun by collecting 10,000 Latino signatures on a letter to Sec. Salazar and other decision-makers in Arizona, California, Colorado, Nevada, New Mexico, Utah and Wyoming to urge action on this challenge.

Background: The Colorado River is the most plumbed river in the nation. So much water is taken out that the water rarely makes it to the river's delta. Right now, the Bureau of Reclamation is reviewing the current water demands on the Colorado River for the seven states that depend on those waters for hydration, agriculture, power, and economic viability. However, the debate over water rights typically centers on drinking water, agriculture, and electricity. People forget that the Colorado River is the cultural and economic foundation for everyone who lives in the Southwest, and thus requires a focus on the environmental health of the river itself.

Nuestro Rio is a network of Hispanics in the West. As advocates for a healthy, sustainable Colorado River, we are educating our communities, the public and decision-makers about the history of Hispanics and the Colorado River and the need to preserve the legacies of 20 generations of Latino life in the Southwest.

For more information please visit NuestroRio.com.

SOURCE Nuestro Rio

<http://www.prnewswire.com/news-releases/nuestro-rio-the-colorado-river-a-national-latino-water-conservation-campaign-will-launch-in-washington-dc-next-week-129521938.html>

9/9/2011

8.a. - Revised 2011 Board Meeting Schedule

COLORADO RIVER BOARD OF CALIFORNIA
Calendar Year 2011 Meetings

December 15, 2010
(August 8, 2011, Revised)

Board Meeting Date

Other Meetings and Events

January 12	January 1: New Year's Day Holiday January 17: Martin Luther King Jr. Day Holiday
February 9	February 21: President's Day Holiday
March 9	March 1-3: ACWA 2011 Washington D.C. Conference, The Washington Court Hotel, Washington, D.C. March 29-April 1: CMUA 79th Annual Conference, Rancho Las Palmas, Rancho Mirage, CA March 31: Cesar Chavez Day Holiday
April 13	April 4-6: NWRA Federal Water Issues Conference, The Washington Court Hotel, Washington, D.C.
June 15	May 10-13: ACWA 2011 Spring Conference, Sacramento, CA May 30: Memorial Day Holiday
July 13	July 4: Independence Day Holiday July 25-27: NWRA Western Water Seminar, Cheyenne Mountain Resort, Colorado Springs, CO
August 10 (Canceled)	August 24-26: UWII 18th Annual So. California Urban Water Conference, Hilton Mission Bay Resort, San Diego, CA
September 14	September 5: Labor Day Holiday
October 12	
November 9	November 11: Veteran's Day Holiday November 16-18: NWRA 80th Annual Conference, Ventana Canyon Resort, Tucson, AZ November 24-25: Thanksgiving Day Holiday November 29-December 2: ACWA 2011 Fall Conference, Anaheim Marriott, Anaheim, CA
December 14 (Special Meeting in conjunction with CRWUA Conference)	December 14-16: CRWUA 66th Annual Conference, Caesars Palace, Las Vegas, Nevada December 26: Christmas Day Holiday

2011

<p>JANUARY</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></tr> <tr><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr> <tr><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td></tr> <tr><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td></tr> </table>	S	M	T	W	T	F	S							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	<p>FEBRUARY</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td></td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28					<p>MARCH</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td></tr> </table>	S	M	T	W	T	F	S				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		<p>APRIL</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></tr> <tr><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr> <tr><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td></tr> <tr><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td></tr> <tr><td>30</td><td>31</td><td></td><td></td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																										
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NWRA - National Water Resources Association	(703) 524-1544	FAX (703) 524-1548
UWII - Urban Water Institute, Inc.	(949) 679-9676	FAX (949) 474-8258

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COLORADO RIVER BOARD OF CALIFORNIA
Calendar Year 2011 Meetings

December 15, 2010
(August 8, 2011, Revised)

Board Meeting Date

Other Meetings and Events

January 12

January 1: New Year's Day Holiday
January 17: Martin Luther King Jr. Day Holiday

February 9

February 21: President's Day Holiday

March 9

March 1-3: ACWA 2011 Washington D.C. Conference,
The Washington Court Hotel, Washington, D.C.
March 29-April 1: CMUA 79th Annual Conference,
Rancho Las Palmas, Rancho Mirage, CA
March 31: Cesar Chavez Day Holiday

April 13

April 4-6: NWRA Federal Water Issues Conference,
The Washington Court Hotel, Washington, D.C.

June 15

May 10-13: ACWA 2011 Spring Conference, Sacramento, CA
May 30: Memorial Day Holiday

July 13

July 4: Independence Day Holiday
July 25-27: NWRA Western Water Seminar,
Cheyenne Mountain Resort, Colorado Springs, CO

August 10 (Canceled)

August 24-26: UWII 18th Annual So. California Urban Water
Conference, Hilton Mission Bay Resort, San Diego, CA

September 14

September 5: Labor Day Holiday

October 12

November 9

November 11: Veteran's Day Holiday
November 16-18: NWRA 80th Annual Conference,
Ventana Canyon Resort, Tucson, AZ
November 24-25: Thanksgiving Day Holiday
November 29-December 2: ACWA 2011 Fall Conference,
Anaheim Marriott, Anaheim, CA

December 14 (Special
Meeting in conjunction
with CRWUA Conference)

December 14-16: CRWUA 66th Annual Conference,
Caesars Palace, Las Vegas, Nevada
December 26: Christmas Day Holiday

2011

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