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Sent: Thursday, December 24, 2015 11:53 AM
To: Grober, Les@Waterboards
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Subject: Electronic Transmittal: Conserved Water Accounting for November 2015 under TUCP Order
Attachments: November_2015_Drought_Accounting.pdf

Les--

In its July 3, 2015 Order Conditionally Approving a Petition for Temporary Urgency Changes in License and Permit Terms and Conditions Requiring Compliance with Delta Water Quality Objectives in Response to Drought Conditions, the State Water Resources Control Board (Board) continued to require the Department of Water Resources (DWR) and the U.S. Bureau of Reclamation (Reclamation) to “calculate and maintain a record of the amount of water conserved through the changes authorized by this Order, as well as a record of where that water was conserved, submit such records on a monthly basis to the State Water Board within 20 working days after the first day of the following month.” In compliance with this requirement, DWR and Reclamation are presenting the attached table showing daily accounting for conserved water under the Order for the month of November.

Under D-1641, the minimum monthly average flow required at Rio Vista in November is 3,500 cubic feet per second (cfs). The July 3 Order reduced the minimum monthly average to 2,500 cfs from September 1 through November 30, with a 7-day average of no less than 2,000 cfs. Additional water would have been necessary to meet the D-1641 Rio Vista monthly flow objective. Alternatively, the Rio Vista objective could have been met by closing the Delta Cross Channel gates.

The Projects operated under the Order from November 1 through 30. The amount of water that would have been required to meet the unmodified D-1641 standard for November was determined to be approximately 78 TAF. This amount is assumed to be provided from upstream Project reservoirs in November. The cumulative total water conserved under the TUCP in 2015 to date is approximately 910 TAF.

If you have any questions or would like more information, please contact me at (916) 574-0456 or Liz Kiteck at (916) 979-2684.

Thanks!
Dan

Dan Yamanaka

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November 2015 Date	Historical Daily Outflow (cfs)	Historical 7-Day Outflow (cfs)	TUCP in effect?	Daily Combined Exports (cfs)	Daily Rio Vista (cfs)	7-Day Rio Vista (cfs)	Additional Water for Rio Vista(cfs)	TOTAL Additional Water Needed (cfs)	TOTAL Additional Water Needed (TAF)
			Rio Vista						
11/1/2015	4794	4939	x	1527	2066	2477	2029	2029	4.02
11/2/2015	5630	5174	x	1494	2443	2530	1495	1495	2.97
11/3/2015	9574	5882	x	2325	3595	3069	0	0	0.00
11/4/2015	10219	6637	x	2476	4037	3027	0	0	0.00
11/5/2015	9802	7276	x	2888	3913	3297	0	0	0.00
11/6/2015	8765	7693	x	2889	3350	3250	212	212	0.42
11/7/2015	7707	8070	x	2889	3026	3204	670	670	1.33
11/8/2015	2538	7748	x	2890	1684	3150	2569	2569	5.10
11/9/2015	3083	7384	x	2898	1813	3060	2386	2386	4.73
11/10/2015	4937	6721	x	2894	2468	2899	1459	1459	2.89
11/11/2015	5680	6073	x	2894	3034	2755	659	659	1.31
11/12/2015	5680	5484	x	2889	2905	2611	841	841	1.67
11/13/2015	5553	5025	x	2890	4388	2760	0	0	0.00
11/14/2015	4653	4589	x	2900	3535	2832	0	0	0.00
11/15/2015	2701	4612	x	2910	2000	2877	2122	2122	4.21
11/16/2015	3210	4630	x	2900	1991	2903	2134	2134	4.23
11/17/2015	5605	4726	x	2383	3329	3026	242	242	0.48
11/18/2015	4129	4504	x	2377	2375	2932	1592	1592	3.16
11/19/2015	3795	4235	x	2446	3617	3033	0	0	0.00
11/20/2015	3929	4003	x	2411	4576	3060	0	0	0.00
11/21/2015	2786	3736	x	2412	2745	2947	1067	1067	2.12
11/22/2015	4067	3931	x	1116	1876	2930	2296	2296	4.55
11/23/2015	3697	4001	x	1096	1611	2876	2672	2672	5.30
11/24/2015	3534	3705	x	1096	1491	2613	2841	2841	5.63
11/25/2015	4130	3705	x	1095	1547	2495	2762	2762	5.48
11/26/2015	5003	3878	x	1087	2314	2309	1677	1677	3.33
11/27/2015	4934	4022	x	1087	2267	1979	1744	1744	3.46
11/28/2015	4882	4321	x	1081	2238	1906	1784	1784	3.54
11/29/2015	4590	4396	x	1096	2082	1936	2005	2005	3.98
11/30/2015	4177	4464	x	1095	1979	1988	2152	2152	4.27
Monthly Average	5126				2676			Total (TAF)	78.17
D1641 Standards								Running Total (TAF)	909.73
NDOI		3,000 cfs							
Rio Vista (monthly)		3,500 cfs							