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Sent: Tuesday, July 21, 2015 5:20 PM

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Subject: Electronic Transmittal: Conserved Water Accounting for June 2015 under TUCP Order

Les--

In its April 6, 2015 Order Modifying an Order that Approved in Part and Denied in Part a Petition for Temporary Urgency Changes to 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 June.

Under D-1641, the minimum San Joaquin River flow requirement at Vernalis is 710 cfs. The April 6 Order changed the minimum San Joaquin River flow requirement at Vernalis to 200 cfs through June 30. The Order also modified the Western Delta agricultural standard compliance point from Emmaton to Threemile Slough. DSM2 modeling indicates that by increasing Vernalis flow to 710 cfs and increasing Delta outflow to 7,100 cfs in June, the Emmaton 14-day EC objective would also have been met.

The Projects operated under the Order for the entire month. The amount of water that would have been required to meet the unmodified D-1641 standards for all of June was determined to be approximately 183 TAF. This amount was conserved upstream by the Projects in June. The cumulative total water conserved under the TUCP in 2015 to date is approximately 584 TAF.

If you have any questions or would like more information, please contact me at (916) 574-0456 or Mr. Paul Fujitani at (916) 979-2197.

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June Date	Historical Daily Outflow (cfs)	Historical 3-Day Outflow (cfs)	Historical Vernalis (cfs)	TUCP in effect?			Daily Combined Exports (cfs)	Historical Emmaton (14 day EC)	Modeled Emmaton (14 Day EC)	Additional Vernalis Required (cfs)	Additional Outflow Needed (cfs)	Water Shortage (TAF)
				Vernalis	Emmaton	X2 Outflow						
6/1/2015	3264	3675	281	x	x	x	1047	2823	1874	429	3407	7.61
6/2/2015	4590	3919	320	x	x	x	563	2814	1863	390	2120	4.98
6/3/2015	3996	3950	319	x	x	x	1100	2804	1837	391	2712	6.16
6/4/2015	4426	4338	294	x	x	x	506	2812	1819	416	2257	5.30
6/5/2015	4338	4254	250	x	x	x	1014	2912	1883	460	2302	5.48
6/6/2015	4892	4552	216	x	x	x	564	3066	1997	494	1715	4.38
6/7/2015	4442	4557	228	x	x	x	1060	3159	2047	482	2177	5.27
6/8/2015	5533	4955	260	x	x	x	533	3215	2062	450	1117	3.11
6/9/2015	4835	4936	272	x	x	x	1015	3288	2099	438	1826	4.49
6/10/2015	4899	5089	238	x	x	x	557	3338	2116	472	1729	4.37
6/11/2015	5841	5192	201	x	x	x	1129	3397	2147	509	749	2.50
6/12/2015	5384	5375	180	x	x	x	637	3466	2188	530	1186	3.40
6/13/2015	4470	5232	183	x	x	x	1112	3552	2246	527	2103	5.22
6/14/2015	4357	4737	174	x	x	x	678	3661	2325	536	2207	5.44
6/15/2015	3971	4266	166	x	x	x	1055	3758	2392	545	2584	6.21
6/16/2015	3731	4020	158	x	x	x	556	3830	2431	552	2818	6.68
6/17/2015	3371	3691	147	x	x	x	1029	3889	2457	563	3166	7.40
6/18/2015	3697	3600	153	x	x	x	555	3966	2500	557	2847	6.75
6/19/2015	3481	3517	168	x	x	x	899	3991	2491	542	3076	7.18
6/20/2015	3792	3657	175	x	x	x	668	3968	2438	535	2773	6.56
6/21/2015	3595	3623	166	x	x	x	655	4001	2442	544	2961	6.95
6/22/2015	3459	3615	156	x	x	x	664	4014	2426	554	3087	7.22
6/23/2015	3813	3622	156	x	x	x	665	3989	2372	554	2733	6.52
6/24/2015	3471	3581	143	x	x	x	664	4004	2361	567	3062	7.20
6/25/2015	3281	3522	122	x	x	x	656	4011	2342	588	3231	7.58
6/26/2015	3271	3341	135	x	x	x	661	4037	2345	575	3254	7.60
6/27/2015	3127	3226	156	x	x	x	702	4043	2328	554	3419	7.88
6/28/2015	2963	3120	128	x	x	x	702	4005	2267	582	3555	8.21
6/29/2015	3113	3068	154	x	x	x	600	3979	2221	556	3431	7.91
6/30/2015	3484	3187	179	x	x	x	593	3976	2199	531	3085	7.17

Monthly Average 4030 Total (TAF) 182.70

D1641 Standards Running Total (TAF) 584.03

Chippis X2	0 Day(s)
Carry-Over	0 Day(s)
Vernalis	710 cfs
X2 Outflow (NDOI)	7100 cfs
Emmaton	2.78 umhos/cm