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Sent: Tuesday, September 22, 2015 2:15 PM

To: Grober, Les@Waterboards

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

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 August.

Under D-1641, the maximum Western Delta Electrical Conductivity (EC) requirement at Emmaton during a critical year is 2.78 mmhos/cm on a 14-day running average. The April 6 Order changed the compliance point for the maximum Western Delta EC requirement from Emmaton to Three Mile Slough on the Sacramento River on a 14-day running average from April through June. The July 3 Order extended this change through August 15. DSM2 modeling indicates that a significant amount of water would have been necessary to meet the Emmaton 14-day EC objective.

The Projects operated under the Order from August 1 through 15. The amount of water that would have been required to meet the unmodified D-1641 standard for August was determined to be approximately 58 TAF. This amount is assumed to be provided from upstream Project reservoirs in August. The cumulative total water conserved under the TUCP in 2015 to date is approximately 793 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.

Thanks!

Dan

Dan Yamanaka

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August 2015	Historical Daily Outflow (cfs)	Historical 3-Day Outflow (cfs)	TUCP in effect?	Daily Combined Exports (cfs)	Historical Emmaton (14-day EC)	Modeled Emmaton (14-day EC)	Additional Water for Emmaton (cfs)	TOTAL Additional Water Needed (cfs)	TOTAL Additional Water Needed (TAF)
Date			Emmaton						
8/1/2015	3908	3595	x	588	4073	2171	3500	3500	6.94
8/2/2015	3823	3751	x	492	4184	2294	3500	3500	6.94
8/3/2015	3637	3790	x	683	4310	2415	3500	3500	6.94
8/4/2015	3726	3729	x	541	4386	2475	4000	4000	7.93
8/5/2015	3653	3672	x	585	4407	2468	4000	4000	7.93
8/6/2015	3947	3775	x	586	4438	2470	3500	3500	6.94
8/7/2015	3791	3797	x	638	4536	2542	3500	3500	6.94
8/8/2015	3887	3875	x	586	4622	2603	3500	3500	6.94
8/9/2015	3821	3833	x	582	4639	2600		0	0.00
8/10/2015	3877	3862	x	628	4682	2634		0	0.00
8/11/2015	3605	3768	x	671	4705	2654		0	0.00
8/12/2015	3550	3677	x	581	4653	2609		0	0.00
8/13/2015	3804	3653	x	586	4528	2504		0	0.00
8/14/2015	3745	3700	x	491	4383	2385		0	0.00
8/15/2015	3714	3755	x	496	4188	2220		0	0.00
8/16/2015	3505	3655		649	4013	2086		0	0.00
8/17/2015	2964	3394		492	3876	1997		0	0.00
8/18/2015	2528	2999		982	3849	2022		0	0.00
8/19/2015	1700	2397		967	3889	2116		0	0.00
8/20/2015	1965	2064		947	3927	2204		0	0.00
8/21/2015	2133	1932		934	3924	2247		0	0.00
8/22/2015	1887	1995		961	3896	2270		0	0.00
8/23/2015	2313	2111		953	3875	2302		0	0.00
8/24/2015	2584	2262		1052	3801	2281		0	0.00
8/25/2015	2753	2550		1457	3713	2244		0	0.00
8/26/2015	3195	2844		1781	3658	2239		0	0.00
8/27/2015	3231	3060		1857	3628	2251		0	0.00
8/28/2015	1613	2680		2520	3616	2275		0	0.00
8/29/2015	1730	2191		4495	3660	2351		0	0.00
8/30/2015	1694	1679		4704	3678	2397		0	0.00
8/31/2015	1644	1689		4476	3664	2408		0	0.00

Monthly Average 3030

Total (TAF) 57.52

D1641 Standards	
NDOI	3,000 cfs
Emmaton	2.78 umhos/cm

Running Total (TAF) 793.36