Daily Accounting of Weber-Provo Canal

DAILY ACCOUNTING OF WEBER-PROVO CANAL

	(1)	(2)	(3)	(4)		(5)	(6)
	WEBER-PROVO CANAL AT OAKLEY (CFS)	BEAVER CREEK TO WP CANAL (CFS)	WEBER-PROVO CANAL AT FRANCIS (CFS)	PROVO RIVER WATER ACCUMULATED IN CANAL ABOVE FRANCIS[2] (CFS)		PRWUA POWER WATER DELIVERED[1] (1.9835 x [(3)-(4)])-(6)= AF	PROVO RES. CO.'S ECHO SHARES DELIVERED (AF)
4/1/2014	36	5.16	32.28	3.5		28.52	28.56
4/2/2014	33.79	4.87	30.32	3.5		26.62	26.58
4/3/2014	32.15	4.65	29.54	3.5		25.86	25.79
4/4/2014	33.58	4.96	28.91	3.5		25.21	25.19
4/5/2014	35.51	5.33	30.98	3.5		27.23	27.27
4/6/2014	36.18	5.53	33.36	3.5		29.57	29.65
4/7/2014	35.69	5.66	30.81	3.5		27.09	27.07
4/8/2014	43.57	8.64	37.84	3.5		34.10	34.02
4/9/2014	56.65	12.05	55.75	3.5		51.87	51.77
4/10/2014	73.99	18.37	67.28	3.5		74.24	52.27
4/11/2014	90.35	25.05	89.72	3.5		118.75	52.27
4/12/2014	120.82	27.31	126.64	3.5		191.98	52.27
4/13/2014	117.43	24.8	125.22	3.5		189.17	52.27
4/14/2014	93.91	17.15	97.59	3.5		134.36	52.27
4/15/2014	85.44	14.66	86.45	3.5		112.27	52.27
						Power Water	Echo Shares
TOTAL WATER DELIVERED TO PROVO DRAINAGE (AF)						**1096.86**	**589.50**

[1]Power Water delivered during the 2014 irrigation season shall be measured at Francis, see State Engineer Letter dated 1/21/2014.

[2]Defined as 1.5 cfs (static infow to canal) and daily average inflow from Washington-So. Kamas diversion.

Data Compiled by: Reed A. Cozens, Weber River Commissioner

Daily Accounting of Power Water

POWER WATER ORIGINATING BELOW ECHO DAM

	(A)	(B)	(C)	(D)	(E)	(F)	
	UP&L WATER RIGHT (CFS)	**USGS WEBER RIVER AT GATEWAY, UT**	**LOST CREEK RESERVOIR STORAGE (CFS)**	**EAST CANYON RESERVOIR STORAGE JUNIOR TO 1903 (CFS)**	**WATER DIVERTED INTO THE GATEWAY TUNNEL (CFS)**	**DAILY TOTAL (CFS) (B)+(C)+(D)+(E)**	**DAILY TOTAL (AF)**
							(F) x 1.9835
4/1/2014	365	141.00	15.12	100.83	48.00	304.96	604.88
4/2/2014	365	157.00	31.93	40.33	44.00	273.26	542.02
4/3/2014	365	144.00	31.93	40.33	50.00	266.26	528.13
4/4/2014	365	131.00	31.93	40.33	46.00	249.26	494.41
4/5/2014	365	119.00	13.44	47.90	46.00	226.34	448.94
4/6/2014	365	116.00	13.44	47.90	46.00	223.34	442.99
4/7/2014	365	114.00	13.44	47.90	40.00	215.34	427.13
4/8/2014	365	116.00	10.08	47.90	39.00	212.98	422.44
4/9/2014	365	127.00	43.69	50.42	43.00	264.11	523.86
4/10/2014	365	148.00	43.69	50.42	55.00	297.11	589.32
4/11/2014	365	188.00	43.69	50.42	58.00	340.11	674.61
4/12/2014	365	234.00	43.69	73.10	59.00	409.80	812.83
4/13/2014	365	267.00	43.69	73.10	38.00	421.80	836.63
4/14/2014	365	237.00	43.69	50.42	56.00	387.11	767.83
4/15/2014	365	201.00	38.44	50.42	73.00	362.86	719.73

TOTAL UNADJUSTED WATER ORIGINATING BELOW ECHO DAM (AF) **8,835.76**

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Daily Accounting of Power Water

POWER WATER ABOVE ECHO DAM

		(i)	(ii)	(iii)	(iv)	(v)	
		CHANGE IN STORAGE ROCKPORT (AF)	CHANGE IN STORAGE ECHO RES. (AF)	CHANGE IN SMITH AND MOREHOUSE RESERVOIR (AF)	ADJUSTED WEBER-PROVO CANAL AT FRANCIS (AF)	WATER DIVERTED TO MT. REGIONAL VIA LOST CANYON PIPELINE (AF)	TOTAL WATER ABOVE ECHO DAM (AF)
							i+ii+iii+iv+v
4/1/2014		0.00	245.00	0.00	57.09	5.70	302.09
4/2/2014		0.00	295.00	0.00	53.20	5.70	348.20
4/3/2014		0.00	240.00	0.00	51.65	5.70	291.65
4/4/2014		0.00	250.00	0.00	50.40	5.70	300.40
4/5/2014		0.00	250.00	0.00	54.51	5.70	304.51
4/6/2014		0.00	190.00	0.00	59.23	5.70	249.23
4/7/2014		-45.00	250.00	0.00	54.17	5.70	259.17
4/8/2014		-45.00	250.00	0.00	68.11	5.70	273.11
4/9/2014		0.00	250.00	0.00	103.64	5.70	353.64
4/10/2014		0.00	260.00	50.28	126.51	5.70	436.79
4/11/2014		0.00	300.00	50.28	171.02	5.70	521.30
4/12/2014		0.00	410.00	50.28	244.25	5.70	704.53
4/13/2014		0.00	410.00	50.28	241.43	5.70	701.71
4/14/2014		0.00	310.00	50.28	186.63	5.70	546.91
4/15/2014		-40.00	410.00	50.28	164.53	5.70	584.81

TOTAL UNADJUSTED WATER ORIGINATING ABOVE ECHO DAM (AF) 6,178.03

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Daily Accounting of Power Water

POWER WATER ABOVE ECHO DAM

	WATER NEEDED ABOVE ECHO DAM TO SATISFY POWER RIGHT (CFS) (A)-(F)	WATER PHYSICALLY ABOVE ECHO (CFS)	WAS ALL OF THE WATER ABOVE ECHO DAM *POWER WATER*?	POWER WATER STORED ABOVE ECHO (CFS)	POWER WATER STORED ABOVE ECHO (AF)
4/1/2014	60.04	152.30	NO	60.04	119.10
4/2/2014	91.74	175.55	NO	91.74	181.96
4/3/2014	98.74	147.04	NO	98.74	195.85
4/4/2014	115.74	151.45	NO	115.74	229.56
4/5/2014	138.66	153.52	NO	138.66	275.03
4/6/2014	141.66	125.65	YES	125.65	249.23
4/7/2014	149.66	130.66	YES	130.66	259.17
4/8/2014	152.02	137.69	YES	137.69	273.11
4/9/2014	100.89	178.29	NO	100.89	200.12
4/10/2014	67.89	220.21	NO	67.89	134.66
4/11/2014	24.89	262.82	NO	24.89	49.37
4/12/2014	0.00	355.19	NO	0.00	0.00
4/13/2014	0.00	353.77	NO	0.00	0.00
4/14/2014	0.00	275.73	NO	0.00	0.00
4/15/2014	2.14	294.84	NO	2.14	4.25

TOTAL STORED POWER WATER (AF) 2171.40

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Daily Accounting of Power Water

POWER WATER ABOVE ECHO DAM

	POWER WATER MOVED ACROSS W-P CANAL (CFS)	DID THE WATER ORIGINATING BELOW ECHO DAM MEET, OR EXCEED, 365 CFS?	WHAT WAS THE DIFFERENCE IN FLOW NEEDED TO SATISFY 365 CFS AT THE WEBER POWER PLANT? (CFS)	WHAT WAS THE DIFFERENCE BETWEEN WHAT WAS NEEDED AT POWER PLANT AND WHAT POWER WATER WAS TAKEN ACROSS CANAL (CFS)	STORED POWER WATER EXCHANGED OUT OF ECHO RES. VIA W-P CANAL (AF)
	(5)/1.9835				
4/1/2014	14.38	NO	60.04	45.66	0.00
4/2/2014	13.42	NO	91.74	78.32	0.00
4/3/2014	13.04	NO	98.74	85.70	0.00
4/4/2014	12.71	NO	115.74	103.03	0.00
4/5/2014	13.73	NO	138.66	124.93	0.00
4/6/2014	14.91	NO	141.66	126.75	0.00
4/7/2014	13.66	NO	149.66	136.00	0.00
4/8/2014	17.19	NO	152.02	134.83	0.00
4/9/2014	26.15	NO	100.89	74.74	0.00
4/10/2014	37.43	NO	67.89	30.46	0.00
4/11/2014	59.87	NO	24.89	-34.98	69.38
4/12/2014	96.79	YES	0.00	-96.79	191.98
4/13/2014	95.37	YES	0.00	-95.37	189.17
4/14/2014	67.74	YES	0.00	-67.74	134.36
4/15/2014	56.60	NO	2.14	-54.46	108.02

TOTAL EXCHANGED POWER WATER (AF) 692.91

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Summary of Power Water Storage and Delivery

For Period: April 1st thru 15th, 2014

	(Acre-Feet)
Total Unadjusted Water Stored in Echo	4,320
Total Unadjusted Water Stored in Rockport Reservoir	(130)
Total Unadjusted Water Stored in Smith & Morehouse Reservoir	302
Total Unadjusted Storage Above Echo Dam	**4,492**

Total Power Water Delivered to PRWUA (W-P Canal)	404
Total Power Water Stored Above Echo	2,171
Total Power Water Stored and Delivered Above Echo Dam	**2,575**

Provo River Water Users Association (1/2)	1,288
Weber River Water Users Association (1/2)	1,288

Provo River Water Users Association in Echo Reservoir	
Balance as of April 1, 2014	17,355
Available to PRWUA During April 2014	1,288
Delivered to Provo River During Period	404
Power water exchanged out of Echo Storage	693
Monthly Power Water storage on behalf of PRWUA	191

	(Acre-Feet)
PRWUA Balance in Echo as of April 15, 2014	**17,546**

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