

Report of the Colorado State Engineer Concerning Accounting of the Operations of an Offset Account in John Martin Reservoir for Colorado Pumping 2023



COLORADO
Division of Water Resources
Department of Natural Resources



Submitted to the
Engineering and Operations Committees
Arkansas River Compact Administration

Revised January 23, 2024

**Report of the Colorado State Engineer
Offset Account Operations**

November 1, 2022 to October 31, 2023

An Offset Account in John Martin Reservoir was authorized by the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping** dated March 17, 1997 (“Resolution”) and by the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended March 30, 1998** (“Amended Resolution”).

This report summarizes the Offset Account operations for the period November 1, 2022 through October 31, 2023 and has been prepared pursuant to paragraph 11 of the Amended Resolution.

At 0000 hours, November 1, 2022 the Offset Account contained 1,579.45 acre-feet. From November 1, 2022 through October 31, 2023 there were deliveries to and transfers to the Offset Account as summarized below. There was one release from the Offset Account for delivery to Kansas during this period. The Lower Arkansas Water Management Association transferred fully consumable water to satisfy the 500 acre-feet Storage Charge prerequisite for using the account, on March 24, 2023 and March 31, 2023. The correspondence describing this transfer and the other deliveries is included in Section 3.

In Section 1, a monthly summary of the contents of the Offset Account is provided in Table 1. A summary of the subaccounts of the Offset Account is provided in Tables A through B.2. The outline preceding the tables in Section 1 provides an explanation of the purpose of each subaccount.

Section 2 of this report contains the daily accounting records, by month, for all subaccounts in the Offset Account.

From November 1, 2022 through October 31, 2023, there were seventeen (17) deliveries/transfers of water to the Offset Account. These operations are summarized in the following table.

Source	Start Date	End Date	Amount to Offset Account (ac-ft)	Consumable Water (ac-ft)	Return Flow Water (ac-ft)
LAWMA (X-Y, Keesee, Sisson Stubbs, Manvel Article II Transfer)	March 24, 2023	March 24, 2023	624.58	429.06	195.52
LAWMA (Keesee Article II Transfer)	April 24, 2023	April 24, 2023	18.79	16.32	2.47
LAWMA (CS-U Delivery)	April 28, 2023	May 4, 2023	119.34	119.34	0.00
LAWMA (CS-U Delivery)	May 5, 2023	May 12, 2023	115.25	115.25	0.00
LAWMA (City of Salida)	May 15, 2023	May 19, 2023	174.64	174.64	0.00
LAWMA (X-Y Article II Transfer)	May 17, 2023	May 17, 2023	53.94	33.32	20.62
AGRA (Excelsior Shares from Lake Meredith)	June 1, 2023	June 17, 2023	148.5	148.5	0.00
CAA (Catlin Shares from Lake Meredith)	June 1, 2023	June 19, 2023	58.26	58.26	0.00
LAWMA (CS-U Delivery)	June 29, 2023	July 6, 2023	2,927.30	2,927.30	0.00
CAA (Catlin Shares from Lake Meredith)	July 14, 2023	July 20, 2023	73.36	73.36	0.00
LAWMA (X-Y Article II Transfer)	July 18, 2023	July 18, 2023	1,837.06	1,134.66	702.4
LAWMA (Keesee Article II Transfer)	July 19, 2023	July 19, 2023	620.74	539.37	81.37
LAWMA (CS-U Delivery)	September 8, 2023	September 13, 2023	665.01	665.01	0.00
AGRA (Excelsior Shares from Stonewall Springs South Reservoir)	September 28, 2023	October 13, 2023	500.6	500.6	0.00
LAWMA (Highland)	April 2, 2023	October 31, 2023	4,488.87	4,488.87	0.00
LAWMA (Fort Lyon)	November 1, 2022	October 31, 2023	3,978.21	3,978.21	0.00
LAWMA (Keesee)	April 17, 2023	October 31, 2023	1,078.13	1,078.13	0.00
TOTALS			17,482.58	16,480.20	1,002.38

During the period referred to above, there was one release of water from the Offset Account requested by the Kansas Chief Engineer.

The release from Offset Account water was from July 17, 2023 through August 10, 2023 and is summarized as follows:

Summary of Release (July 17, 2023-August 10, 2023)
(From Calculations per Offset Agreement)

Release from Kansas Storage Charge subaccount = 644.68 acre-feet

Release from Kansas Consumable Water subaccount = 1,719.88 acre-feet

Release from Colorado Upstream/Downstream Consumable Water subaccounts = 7,129.73
acre-feet

Release from Return Flow/Return Flow Transit Loss subaccounts = 1,098.74 acre-feet

Total quantity released = 10,593.03 acre-feet

Credit for Colorado Consumptive Use Water

0.7408 x 8850 (Consumptive Use Water) = 6,556 acre-feet credit

Credits were determined using the Muskingum routing method pursuant to the Agreement Concerning the Offset Account in John Martin Reservoir for Colorado Pumping, Determination of Credits for Delivery of Water Released for Colorado Pumping, and Related Matters, September 29, 2005.

Section 3 of this report provides copies of the letters reporting each delivery of water to the Offset Account as required by paragraph 3 of the Amended Resolution and copies of the letters reporting each release of water from the Offset Account.

Section 4 of this report provides copies of the monthly letters reporting Colorado pumping and Offset Account operations that were prepared and submitted in accordance with paragraph 12 of the Amended Resolution.

At 2400 hours, October 31, 2023 the Offset Account contained 6,530.97 acre-feet.

The Colorado State Engineer and the Kansas Chief Engineer have coordinated Offset Account operations successfully through their respective delegates throughout the year.



Rachel A. Zancanella for
Colorado State Engineer

December 1, 2023

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Report of the Colorado State Engineer – Offset Account Operations

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Section 2

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- February 2, 2023 letter to Kevin Salter Regarding the Initial Notice of Offset Account transfer to replace stateline depletions
- March 23, 2023 letter to Kevin Salter Regarding Initial Notice of Offset Account Delivery for the LAWMA prefunding of a portion of the initial 500 acre-feet to Kansas Storage Charge Account of consumable water.
- March 25, 2023 letter to Kevin Salter Regarding the Initial Notice of Offset Account transfer associated with the AGRA and CAA Upstream Consumable subaccounts
- March 25, 2023 letter to Earl Lewis, Jr. Regarding Final Notice of Offset Account transfer associated with the CAA Upstream Consumable subaccount for Depletions to Conservation Storage
- March 25, 2023 letter to Earl Lewis, Jr. Regarding Regarding the Final Notice of Offset Account transfer to replace stateline depletions
- March 25, 2023 letter to Kevin Salter regarding Initial Notice of Offset Account Delivery for the LAWMA delivery of Highland Canal water rights.
- March 25, 2023 letter to Kevin Salter regarding Initial Notice of Offset Account Delivery for the LAWMA delivery of Fort Lyon Canal water rights.
- March 25, 2023 letter to Kevin Salter regarding Initial Notice of Offset Account Delivery for the LAWMA delivery of Keesee Ditch water rights.
- March 25, 2023 letter to Kevin Salter regarding Initial Notice of Offset Account Delivery for the Catlin Augmentation Association (CAA) delivery of Catlin Canal water rights.

- March 31, 2023 letter to Kevin Salter regarding Initial Notice of Offset Account Delivery for the LAWMA delivery of initial 500 acre-feet to Kansas Storage Charge Account of consumable water.
- April 24, 2023 letter to Kevin Salter regarding Initial Notice of Offset Account transfer associated with LAWMA's Keesee Article II Account
- April 28, 2023 letter to Kevin Salter regarding Initial Notice of Offset Account delivery on behalf of LAWMA from Fountain Creek
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- June 2, 2023 letter to Earl Lewis, Jr. Regarding Final Notice of Offset Account transfer associated with CAA Upstream Consumable subaccount, AGRA Upstream Consumable subaccount, LAWMA's Upstream Consumable subaccount, 500 acre-foot storage charge, and LAWMA's Keesee Article II Account
- June 28, 2023 letter to Kevin Salter regarding Initial Notice of Offset Account delivery on behalf of LAWMA from Lake Meredith
- July 13, 2023 letter to Kevin Salter regarding Initial Notice of Offset Account delivery on behalf of CAA from Lake Meredith
- July 17, 2023 letter to Kevin Salter regarding Initial Notice of Offset Account transfer associated with LAWMA's X-Y Article II Account
- July 18, 2023 letter to Kevin Salter regarding Initial Notice of Offset Account transfer associated with LAWMA's Keesee Article II Account
- August 4, 2023 letter to Earl Lewis, Jr. Regarding Final Notice of Offset Account Deliveries and Transfers for May 2023
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- October 25, 2023 letter to Earl Lewis, Jr. Regarding Final Notice of Offset Operations for AGRA

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- November 1, 2023 letter to Earl Lewis, Jr. Regarding Final Notice of Offset Operations for LAWMA
- November 20, 2023 letter to Earl Lewis, Jr. regarding the Notice of Releases of Offset Account Water from John Martin
- November 29, 2023 letter to Earl Lewis, Jr. regarding accounting summary for delivery of LAWMA's Highland Canal consumptive use water to the Offset Account for April – October 2023.
- November 29, 2023 letter to Earl Lewis, Jr. regarding accounting summary for delivery of LAWMA's Fort Lyon Canal consumptive use water to the Offset Account for April – October 2023 (revised on November 30, 2023).
- November 29, 2023 letter to Earl Lewis, Jr. regarding accounting summary for delivery of LAWMA's Keesee consumptive use water to the Offset Account for April – October 2023.
- November 29, 2023 letter to Earl Lewis, Jr. regarding accounting summary for delivery of CAA's Catlin Canal consumptive use water to the Offset Account for March - November 2023
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- March 25, 2023 letter to Earl Lewis, Jr. and Stephanie Gonzales - November 2022 Report
- March 25, 2023 letter to Earl Lewis, Jr. and Stephanie Gonzales - December 2022 Report
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- November 9, 2023 letter to Earl Lewis, Jr. and Stephanie Gonzales - July 2023 Report
- November 14, 2023 letter to Earl Lewis, Jr. and Stephanie Gonzales - August 2023 Report
- November 14, 2023 letter to Earl Lewis, Jr. and Stephanie Gonzales - September 2023 Report
- November 30, 2023 letter to Earl Lewis, Jr. and Stephanie Gonzales - October 2023 Report

Section 1

JOHN MARTIN RESERVOIR OFFSET ACCOUNT

**TABLE 1
OFFSET ACCOUNT TOTALS**

WATER YEAR	CONTENTS	PHYSICAL	ACCOUNT	ACCOUNT		ACCOUNT	ACCOUNT	PHYSICAL	CONTENTS
2022	BEGINNING OF	INFLOW	TRANSFER-IN	TRANSFER-IN	EVAPORATION	TRANSFER-OUT	TRANSFER-OUT	RELEASE	END OF
			(Non-Offset)	(Internal-Offset)		(Internal-Offset)			
MONTH	MONTH A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	MONTH A.F.
NOVEMBER	1579.45				48.28				1531.17
DECEMBER	1531.17				15.26				1515.91
JANUARY	1515.91				2.61		48.17		1465.13
FEBRUARY	1465.13				14.36				1450.77
MARCH	1450.77	45.04	624.59	1199.62	50.77	1199.62			2069.63
APRIL	2069.63	325.41	18.79		91.94				2321.89
MAY	2321.89	1473.80	53.94		116.73				3732.90
JUNE	3732.90	2924.54		897.21	212.32	897.21			6445.12
JULY	6445.12	6066.00	2457.80	1926.21	391.17	1926.21		8113.73	6464.02
AUGUST	6464.02	1069.19		53.48	263.40	53.48	18.43	2479.30	4772.08
SEPTEMBER	4772.08	986.02	540.71	43.08	333.00	43.08			5965.81
OCTOBER	5965.81	896.76		44.30	303.61	44.95			6558.31
TOTALS		13786.76	3695.83	4163.90	1843.45	4164.55	66.60	10593.03	

JOHN MARTIN RESERVOIR OFFSET ACCOUNT

**TABLE A
CONSUMABLE WATER**

WATER YEAR 2022	CONTENTS BEGINNING OF MONTH A.F.	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	1415.86	0.00		43.22			1372.64
DECEMBER	1372.64	0.00		13.69			1358.95
JANUARY	1358.95	0.00		2.37	48.17		1308.41
FEBRUARY	1308.41	0.00		12.87			1295.54
MARCH	1295.54	45.04	429.07	44.27			1725.38
APRIL	1725.38	325.41	16.32	77.55			1989.56
MAY	1989.56	1473.80	33.32	103.34			3393.34
JUNE	3393.34	2924.54	897.21	198.96	897.21		6118.92
JULY	6118.92	6066.00	3600.94	379.94	1926.91	7014.99	6464.02
AUGUST	6464.02	1069.19	53.48	263.40	71.91	2479.30	4772.08
SEPTEMBER	4772.08	986.02	583.79	333.00	43.08		5965.81
OCTOBER	5965.81	896.76	44.30	303.61	44.95		6558.31
TOTALS		13786.76	5658.43	1776.22	3032.23	9494.29	

**TABLE B
RETURN FLOW WATER WITH TRANSIT LOSS**

WATER YEAR 2022	CONTENTS BEGINNING OF MONTH A.F.	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	163.59			5.06			158.53
DECEMBER	158.53			1.57			156.96
JANUARY	156.96			0.24			156.72
FEBRUARY	156.72			1.49			155.23
MARCH	155.23		195.52	6.50			344.25
APRIL	344.25		2.47	14.39			332.33
MAY	332.33		20.62	13.39			339.56
JUNE	339.56			13.36			326.20
JULY	326.20		783.77	11.23		1098.74	0.00
AUGUST	0.00			0.00			0.00
SEPTEMBER	0.00			0.00			0.00
OCTOBER	0.00			0.00			0.00
TOTALS		0.00	1002.38	67.23	0.00	1098.74	

JOHN MARTIN RESERVOIR OFFSET ACCOUNT

**TABLE A.1
CONSUMABLE WATER
COLORADO UPSTREAM**

WATER YEAR 2022	CONTENTS BEGINNING OF MONTH A.F.	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	239.84			7.28			232.56
DECEMBER	232.56			2.29			230.27
JANUARY	230.27			0.38	48.17		181.72
FEBRUARY	181.72			2.14			179.58
MARCH	179.58			5.60	63.43		110.55
APRIL	110.55			4.64			105.91
MAY	105.91			4.14			101.77
JUNE	101.77	206.76		10.67			297.86
JULY	297.86	73.36		13.35	3.64		354.23
AUGUST	354.23			19.14			335.09
SEPTEMBER	335.09	25.77		19.70	1.29		339.87
OCTOBER	339.87	474.83		30.92	23.70		760.08
TOTALS		780.72	0.00	120.25	140.23	0.00	

**TABLE A.2.
CONSUMABLE WATER
COLORADO DOWNSTREAM**

WATER YEAR 2022	CONTENTS BEGINNING OF MONTH A.F.	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	1161.63			35.54			1126.09
DECEMBER	1126.09			11.24			1114.85
JANUARY	1114.85			1.97			1112.88
FEBRUARY	1112.88			10.59			1102.29
MARCH	1102.29	45.04	0.01	6.85	1016.64		123.85
APRIL	123.85	325.41	16.32	10.74			454.84
MAY	454.84	1473.80	33.32	43.05			1918.91
JUNE	1918.91	2717.78	886.96	167.50			5356.15
JULY	5356.15	5992.64	1674.03	318.99	1923.27	4670.77	6109.79
AUGUST	6109.79	1069.19		244.19	53.48	2458.96	4422.35
SEPTEMBER	4422.35	835.95		286.43	41.79		4930.08
OCTOBER	4930.08	421.93		239.04	21.25		5091.72
TOTALS		12881.74	2610.64	1376.13	3056.43	7129.73	

JOHN MARTIN RESERVOIR OFFSET ACCOUNT

**TABLE A.3
KANSAS CONSUMABLE**

WATER YEAR 2022	CONTENTS BEGINNING OF MONTH A.F.	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN Consumptive A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT Consumptive A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	0.00			0.00			0.00
DECEMBER	0.00			0.00			0.00
JANUARY	0.00			0.00			0.00
FEBRUARY	0.00			0.00			0.00
MARCH*	0.00		1016.64	28.15			988.49
APRIL	988.49			41.20			947.29
MAY	947.29			37.26			910.03
JUNE	910.03			2.63	886.96		20.44
JULY	20.44		1735.92	36.48		1719.88	0.00
AUGUST	0.00			0.00			0.00
SEPTEMBER	0.00			0.00			0.00
OCTOBER	0.00			0.00			0.00
TOTALS		0.00	2752.56	145.72	886.96	1719.88	

**TABLE A.4.
CONSUMABLE WATER
KANSAS STORAGE CHARGE**

WATER YEAR 2022	CONTENTS BEGINNING OF MONTH A.F.	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN Consumptive A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT Consumptive A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	14.39			0.40			13.99
DECEMBER	13.99			0.16			13.83
JANUARY	13.83			0.02			13.81
FEBRUARY	13.81			0.14			13.67
MARCH	13.67		492.49	3.67			502.49
APRIL	502.49			20.97			481.52
MAY	481.52			18.89			462.63
JUNE	462.63			18.16			444.47
JULY	444.47		190.99	11.12		624.34	0.00
AUGUST	0.00		53.48	0.07	18.43	20.34	14.64
SEPTEMBER	14.64	124.30	583.79	26.87			695.86
OCTOBER	695.86		44.30	33.65			706.51
TOTALS		124.30	1365.05	134.12	18.43	644.68	

JOHN MARTIN RESERVOIR OFFSET ACCOUNT

**TABLE B.1
RETURN FLOW**

WATER YEAR 2022	CONTENTS BEGINNING OF MONTH A.F.	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	103.54			3.20			100.34
DECEMBER	100.34			0.99			99.35
JANUARY	99.35			0.15			99.20
FEBRUARY	99.20			0.93			98.27
MARCH	98.27		177.73	4.51			271.49
APRIL	271.49		2.34	11.33			262.50
MAY	262.50		18.87	10.64			270.73
JUNE	270.73			10.63			260.10
JULY	260.10		719.96	9.24		970.82	0.00
AUGUST	0.00			0.00			0.00
SEPTEMBER	0.00			0.00			0.00
OCTOBER	0.00			0.00			0.00
TOTALS		0.00	918.90	51.62	0.00	970.82	

**TABLE B.2
RETURN FLOW
TRANSIT LOSS**

WATER YEAR 2022	CONTENTS BEGINNING OF MONTH A.F.	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	60.05			1.86			58.19
DECEMBER	58.19			0.58			57.61
JANUARY	57.61			0.09			57.52
FEBRUARY	57.52			0.56			56.96
MARCH	56.96		17.79	1.99			72.76
APRIL	72.76		0.13	3.06			69.83
MAY	69.83		1.75	2.75			68.83
JUNE	68.83			2.73			66.10
JULY	66.10		63.81	1.99		127.92	0.00
AUGUST	0.00			0.00			0.00
SEPTEMBER	0.00			0.00			0.00
OCTOBER	0.00			0.00			0.00
TOTALS		0.00	83.48	15.61	0.00	127.92	

Section 2

November 2022

Offset Account

November 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1579.45							239.84							0.00
1	0.00	0.00	0.00	0.00	4.39	1575.06	1	0.00	0.00	0.00	0.00	0.67	239.17	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	2.91	1572.15	2	0.00	0.00	0.00	0.00	0.45	238.72	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	3.06	1569.09	3	0.00	0.00	0.00	0.00	0.47	238.25	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.51	1567.58	4	0.00	0.00	0.00	0.00	0.23	238.02	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.51	1566.07	5	0.00	0.00	0.00	0.00	0.23	237.79	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.51	1564.56	6	0.00	0.00	0.00	0.00	0.23	237.56	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	2.10	1562.46	7	0.00	0.00	0.00	0.00	0.31	237.25	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.35	1561.11	8	0.00	0.00	0.00	0.00	0.21	237.04	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.34	1559.77	9	0.00	0.00	0.00	0.00	0.20	236.84	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	2.53	1557.24	10	0.00	0.00	0.00	0.00	0.38	236.46	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	2.53	1554.71	11	0.00	0.00	0.00	0.00	0.38	236.08	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	2.51	1552.20	12	0.00	0.00	0.00	0.00	0.38	235.70	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	2.64	1549.56	13	0.00	0.00	0.00	0.00	0.40	235.30	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.32	1548.24	14	0.00	0.00	0.00	0.00	0.20	235.10	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.32	1546.92	15	0.00	0.00	0.00	0.00	0.20	234.90	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.30	1545.62	16	0.00	0.00	0.00	0.00	0.19	234.71	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.30	1544.32	17	0.00	0.00	0.00	0.00	0.19	234.52	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.28	1543.04	18	0.00	0.00	0.00	0.00	0.19	234.33	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.26	1541.78	19	0.00	0.00	0.00	0.00	0.19	234.14	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.88	1540.90	20	0.00	0.00	0.00	0.00	0.13	234.01	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.12	1539.78	21	0.00	0.00	0.00	0.00	0.17	233.84	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.11	1538.67	22	0.00	0.00	0.00	0.00	0.17	233.67	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	1.21	1537.46	23	0.00	0.00	0.00	0.00	0.18	233.49	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.20	1536.26	24	0.00	0.00	0.00	0.00	0.18	233.31	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	1.19	1535.07	25	0.00	0.00	0.00	0.00	0.18	233.13	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.16	1533.91	26	0.00	0.00	0.00	0.00	0.17	232.96	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.15	1532.76	27	0.00	0.00	0.00	0.00	0.17	232.79	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.15	1531.61	28	0.00	0.00	0.00	0.00	0.17	232.62	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.04	1531.57	29	0.00	0.00	0.00	0.00	0.00	232.62	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.40	1531.17	30	0.00	0.00	0.00	0.00	0.06	232.56	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	48.28			0.00	0.00	0.00	0.00	7.28			0.00	0.00	0.00	0.00	0.00	
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1415.86							1161.63							14.39
1	0.00	0.00	0.00	0.00	3.93	1411.93	1	0.00	0.00	0.00	0.00	3.22	1158.41	1	0.00	0.00	0.00	0.00	0.04	14.35
2	0.00	0.00	0.00	0.00	2.61	1409.32	2	0.00	0.00	0.00	0.00	2.13	1156.28	2	0.00	0.00	0.00	0.00	0.03	14.32
3	0.00	0.00	0.00	0.00	2.74	1406.58	3	0.00	0.00	0.00	0.00	2.24	1154.04	3	0.00	0.00	0.00	0.00	0.03	14.29
4	0.00	0.00	0.00	0.00	1.35	1405.23	4	0.00	0.00	0.00	0.00	1.11	1152.93	4	0.00	0.00	0.00	0.00	0.01	14.28
5	0.00	0.00	0.00	0.00	1.35	1403.88	5	0.00	0.00	0.00	0.00	1.11	1151.82	5	0.00	0.00	0.00	0.00	0.01	14.27
6	0.00	0.00	0.00	0.00	1.35	1402.53	6	0.00	0.00	0.00	0.00	1.11	1150.71	6	0.00	0.00	0.00	0.00	0.01	14.26
7	0.00	0.00	0.00	0.00	1.88	1400.65	7	0.00	0.00	0.00	0.00	1.55	1149.16	7	0.00	0.00	0.00	0.00	0.02	14.24
8	0.00	0.00	0.00	0.00	1.21	1399.44	8	0.00	0.00	0.00	0.00	0.99	1148.17	8	0.00	0.00	0.00	0.00	0.01	14.23
9	0.00	0.00	0.00	0.00	1.20	1398.24	9	0.00	0.00	0.00	0.00	0.99	1147.18	9	0.00	0.00	0.00	0.00	0.01	14.22
10	0.00	0.00	0.00	0.00	2.26	1395.98	10	0.00	0.00	0.00	0.00	1.86	1145.32	10	0.00	0.00	0.00	0.00	0.02	14.20
11	0.00	0.00	0.00	0.00	2.26	1393.72	11	0.00	0.00	0.00	0.00	1.86	1143.46	11	0.00	0.00	0.00	0.00	0.02	14.18
12	0.00	0.00	0.00	0.00	2.25	1391.47	12	0.00	0.00	0.00	0.00	1.85	1141.61	12	0.00	0.00	0.00	0.00	0.02	14.16
13	0.00	0.00	0.00	0.00	2.37	1389.10	13	0.00	0.00	0.00	0.00	1.95	1139.66	13	0.00	0.00	0.00	0.00	0.02	14.14
14	0.00	0.00	0.00	0.00	1.18	1387.92	14	0.00	0.00	0.00	0.00	0.97	1138.69	14	0.00	0.00	0.00	0.00	0.01	14.13
15	0.00	0.00	0.00	0.00	1.18	1386.74	15	0.00	0.00	0.00	0.00	0.97	1137.72	15	0.00	0.00	0.00	0.00	0.01	14.12
16	0.00	0.00	0.00	0.00	1.16	1385.58	16	0.00	0.00	0.00	0.00	0.96	1136.76	16	0.00	0.00	0.00	0.00	0.01	14.11
17	0.00	0.00	0.00	0.00	1.16	1384.42	17	0.00	0.00	0.00	0.00	0.96	1135.80	17	0.00	0.00	0.00	0.00	0.01	14.10
18	0.00	0.00	0.00	0.00	1.15	1383.27	18	0.00	0.00	0.00	0.00	0.95	1134.85	18	0.00	0.00	0.00	0.00	0.01	14.09
19	0.00	0.00	0.00	0.00	1.13	1382.14	19	0.00	0.00	0.00	0.00	0.93	1133.92	19	0.00	0.00	0.00	0.00	0.01	14.08
20	0.00	0.00	0.00	0.00	0.79	1381.35	20	0.00	0.00	0.00	0.00	0.65	1133.27	20	0.00	0.00	0.00	0.00	0.01	14.07
21	0.00	0.00	0.00	0.00	1.01	1380.34	21	0.00	0.00	0.00	0.00	0.83	1132.44	21	0.00	0.00	0.00	0.00	0.01	14.06
22	0.00	0.00	0.00	0.00	1.00	1379.34	22	0.00	0.00	0.00	0.00	0.82	1131.62	22	0.00	0.00	0.00	0.00	0.01	14.05
23	0.00	0.00	0.00	0.00	1.08	1378.26	23	0.00	0.00	0.00	0.00	0.89	1130.73	23	0.00	0.00	0.00	0.00	0.01	14.04
24	0.00	0.00	0.00	0.00	1.07	1377.19	24	0.00	0.00	0.00	0.00	0.88	1129.85	24	0.00	0.00	0.00	0.00	0.01	14.03
25	0.00	0.00	0.00	0.00	1.06	1376.13	25	0.00	0.00	0.00	0.00	0.87	1128.98	25	0.00	0.00	0.00	0.00	0.01	14.02
26	0.00	0.00	0.00	0.00	1.04	1375.09	26	0.00	0.00	0.00	0.00	0.86	1128.12	26	0.00	0.00	0.00	0.00	0.01	14.01
27	0.00	0.00	0.00	0.00	1.03	1374.06	27	0.00	0.00	0.00	0.00	0.85	1127.27	27	0.00	0.00	0.00	0.00	0.01	14.00
28	0.00	0.00	0.00	0.00	1.03	1373.03	28	0.00	0.00	0.00	0.00	0.85	1126.42	28	0.00	0.00	0.00	0.00		

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						163.59							60.05							2.76
1	0.00	0.00	0.00	0.00	0.46	163.13	1	0.00	0.00	0.00	0.00	0.17	59.88	1	0.00	0.00	0.00	0.00	0.01	2.75
2	0.00	0.00	0.00	0.00	0.30	162.83	2	0.00	0.00	0.00	0.00	0.11	59.77	2	0.00	0.00	0.00	0.00	0.01	2.74
3	0.00	0.00	0.00	0.00	0.32	162.51	3	0.00	0.00	0.00	0.00	0.12	59.65	3	0.00	0.00	0.00	0.00	0.01	2.73
4	0.00	0.00	0.00	0.00	0.16	162.35	4	0.00	0.00	0.00	0.00	0.06	59.59	4	0.00	0.00	0.00	0.00	0.00	2.73
5	0.00	0.00	0.00	0.00	0.16	162.19	5	0.00	0.00	0.00	0.00	0.06	59.53	5	0.00	0.00	0.00	0.00	0.00	2.73
6	0.00	0.00	0.00	0.00	0.16	162.03	6	0.00	0.00	0.00	0.00	0.06	59.47	6	0.00	0.00	0.00	0.00	0.00	2.73
7	0.00	0.00	0.00	0.00	0.22	161.81	7	0.00	0.00	0.00	0.00	0.08	59.39	7	0.00	0.00	0.00	0.00	0.00	2.73
8	0.00	0.00	0.00	0.00	0.14	161.67	8	0.00	0.00	0.00	0.00	0.05	59.34	8	0.00	0.00	0.00	0.00	0.00	2.73
9	0.00	0.00	0.00	0.00	0.14	161.53	9	0.00	0.00	0.00	0.00	0.05	59.29	9	0.00	0.00	0.00	0.00	0.00	2.73
10	0.00	0.00	0.00	0.00	0.27	161.26	10	0.00	0.00	0.00	0.00	0.10	59.19	10	0.00	0.00	0.00	0.00	0.00	2.73
11	0.00	0.00	0.00	0.00	0.27	160.99	11	0.00	0.00	0.00	0.00	0.10	59.09	11	0.00	0.00	0.00	0.00	0.00	2.73
12	0.00	0.00	0.00	0.00	0.26	160.73	12	0.00	0.00	0.00	0.00	0.10	58.99	12	0.00	0.00	0.00	0.00	0.00	2.73
13	0.00	0.00	0.00	0.00	0.27	160.46	13	0.00	0.00	0.00	0.00	0.10	58.89	13	0.00	0.00	0.00	0.00	0.00	2.73
14	0.00	0.00	0.00	0.00	0.14	160.32	14	0.00	0.00	0.00	0.00	0.05	58.84	14	0.00	0.00	0.00	0.00	0.00	2.73
15	0.00	0.00	0.00	0.00	0.14	160.18	15	0.00	0.00	0.00	0.00	0.05	58.79	15	0.00	0.00	0.00	0.00	0.00	2.73
16	0.00	0.00	0.00	0.00	0.14	160.04	16	0.00	0.00	0.00	0.00	0.05	58.74	16	0.00	0.00	0.00	0.00	0.00	2.73
17	0.00	0.00	0.00	0.00	0.14	159.90	17	0.00	0.00	0.00	0.00	0.05	58.69	17	0.00	0.00	0.00	0.00	0.00	2.73
18	0.00	0.00	0.00	0.00	0.13	159.77	18	0.00	0.00	0.00	0.00	0.05	58.64	18	0.00	0.00	0.00	0.00	0.00	2.73
19	0.00	0.00	0.00	0.00	0.13	159.64	19	0.00	0.00	0.00	0.00	0.05	58.59	19	0.00	0.00	0.00	0.00	0.00	2.73
20	0.00	0.00	0.00	0.00	0.09	159.55	20	0.00	0.00	0.00	0.00	0.03	58.56	20	0.00	0.00	0.00	0.00	0.00	2.73
21	0.00	0.00	0.00	0.00	0.11	159.44	21	0.00	0.00	0.00	0.00	0.04	58.52	21	0.00	0.00	0.00	0.00	0.00	2.73
22	0.00	0.00	0.00	0.00	0.11	159.33	22	0.00	0.00	0.00	0.00	0.04	58.48	22	0.00	0.00	0.00	0.00	0.00	2.73
23	0.00	0.00	0.00	0.00	0.13	159.20	23	0.00	0.00	0.00	0.00	0.05	58.43	23	0.00	0.00	0.00	0.00	0.00	2.73
24	0.00	0.00	0.00	0.00	0.13	159.07	24	0.00	0.00	0.00	0.00	0.05	58.38	24	0.00	0.00	0.00	0.00	0.00	2.73
25	0.00	0.00	0.00	0.00	0.13	158.94	25	0.00	0.00	0.00	0.00	0.05	58.33	25	0.00	0.00	0.00	0.00	0.00	2.73
26	0.00	0.00	0.00	0.00	0.12	158.82	26	0.00	0.00	0.00	0.00	0.04	58.29	26	0.00	0.00	0.00	0.00	0.00	2.73
27	0.00	0.00	0.00	0.00	0.12	158.70	27	0.00	0.00	0.00	0.00	0.04	58.25	27	0.00	0.00	0.00	0.00	0.00	2.73
28	0.00	0.00	0.00	0.00	0.12	158.58	28	0.00	0.00	0.00	0.00	0.04	58.21	28	0.00	0.00	0.00	0.00	0.00	2.73
29	0.00	0.00	0.00	0.00	0.00	158.58	29	0.00	0.00	0.00	0.00	0.00	58.21	29	0.00	0.00	0.00	0.00	0.00	2.73
30	0.00	0.00	0.00	0.00	0.05	158.53	30	0.00	0.00	0.00	0.00	0.02	58.19	30	0.00	0.00	0.00	0.00	0.00	2.73
	0.00	0.00	0.00	0.00	5.06			0.00	0.00	0.00	0.00	1.86		0.00	0.00	0.00	0.00	0.00	0.03	
OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						103.54							122.97							114.11
1	0.00	0.00	0.00	0.00	0.29	103.25	1	0.00	0.00	0.00	0.00	0.34	122.63	1	0.00	0.00	0.00	0.00	0.32	113.79
2	0.00	0.00	0.00	0.00	0.19	103.06	2	0.00	0.00	0.00	0.00	0.23	122.40	2	0.00	0.00	0.00	0.00	0.21	113.58
3	0.00	0.00	0.00	0.00	0.20	102.86	3	0.00	0.00	0.00	0.00	0.24	122.16	3	0.00	0.00	0.00	0.00	0.22	113.36
4	0.00	0.00	0.00	0.00	0.10	102.76	4	0.00	0.00	0.00	0.00	0.12	122.04	4	0.00	0.00	0.00	0.00	0.11	113.25
5	0.00	0.00	0.00	0.00	0.10	102.66	5	0.00	0.00	0.00	0.00	0.12	121.92	5	0.00	0.00	0.00	0.00	0.11	113.14
6	0.00	0.00	0.00	0.00	0.10	102.56	6	0.00	0.00	0.00	0.00	0.12	121.80	6	0.00	0.00	0.00	0.00	0.11	113.03
7	0.00	0.00	0.00	0.00	0.14	102.42	7	0.00	0.00	0.00	0.00	0.16	121.64	7	0.00	0.00	0.00	0.00	0.15	112.88
8	0.00	0.00	0.00	0.00	0.09	102.33	8	0.00	0.00	0.00	0.00	0.11	121.53	8	0.00	0.00	0.00	0.00	0.10	112.78
9	0.00	0.00	0.00	0.00	0.09	102.24	9	0.00	0.00	0.00	0.00	0.10	121.43	9	0.00	0.00	0.00	0.00	0.10	112.68
10	0.00	0.00	0.00	0.00	0.17	102.07	10	0.00	0.00	0.00	0.00	0.20	121.23	10	0.00	0.00	0.00	0.00	0.18	112.50
11	0.00	0.00	0.00	0.00	0.17	101.90	11	0.00	0.00	0.00	0.00	0.20	121.03	11	0.00	0.00	0.00	0.00	0.18	112.32
12	0.00	0.00	0.00	0.00	0.16	101.74	12	0.00	0.00	0.00	0.00	0.20	120.83	12	0.00	0.00	0.00	0.00	0.18	112.14
13	0.00	0.00	0.00	0.00	0.17	101.57	13	0.00	0.00	0.00	0.00	0.21	120.62	13	0.00	0.00	0.00	0.00	0.19	111.95
14	0.00	0.00	0.00	0.00	0.09	101.48	14	0.00	0.00	0.00	0.00	0.10	120.52	14	0.00	0.00	0.00	0.00	0.10	111.85
15	0.00	0.00	0.00	0.00	0.09	101.39	15	0.00	0.00	0.00	0.00	0.10	120.42	15	0.00	0.00	0.00	0.00	0.10	111.75
16	0.00	0.00	0.00	0.00	0.09	101.30	16	0.00	0.00	0.00	0.00	0.10	120.32	16	0.00	0.00	0.00	0.00	0.09	111.66
17	0.00	0.00	0.00	0.00	0.09	101.21	17	0.00	0.00	0.00	0.00	0.10	120.22	17	0.00	0.00	0.00	0.00	0.09	111.57
18	0.00	0.00	0.00	0.00	0.08	101.13	18	0.00	0.00	0.00	0.00	0.10	120.12	18	0.00	0.00	0.00	0.00	0.09	111.48
19	0.00	0.00	0.00	0.00	0.08	101.05	19	0.00	0.00	0.00	0.00	0.10	120.02	19	0.00	0.00	0.00	0.00	0.09	111.39
20	0.00	0.00	0.00	0.00	0.06	100.99	20	0.00	0.00	0.00	0.00	0.07	119.95	20	0.00	0.00	0.00	0.00	0.06	111.33
21	0.00	0.00	0.00	0.00	0.07	100.92	21	0.00	0.00	0.00	0.00	0.09	119.86	21	0.00	0.00	0.00	0.00	0.08	111.25
22	0.00	0.00	0.00	0.00	0.07	100.85	22	0.00	0.00	0.00	0.00	0.09	119.77	22	0.00	0.00	0.00	0.00	0.08	111.17
23	0.00	0.00	0.00	0.00	0.08	100.77	23	0.00	0.00	0.00	0.00	0.09	119.68	23	0.00	0.00	0.00	0.00	0.09	111.08
24	0.00	0.00	0.00	0.00	0.08	100.69	24	0.00	0.00	0.00	0.00	0.09	119.59	24	0.00	0.00	0.00	0.00	0.09	110.99
25	0.00	0.00	0.00	0.00	0.08	100.61	25	0.00	0.00	0.00	0.00	0.09	119.50	25	0.00	0.00	0.00	0.00	0.09	110.90
26	0.00	0.00	0.00	0.00	0.08	100.53	26	0.00	0.00	0.00	0.00	0.09	119.41	26	0.00	0.00	0.00	0.00	0.08	110.82
27	0.00	0.00	0.00	0.00	0.08	100.45	27	0.00	0.00	0.00	0.00	0.09	119.32	27	0.00	0.00	0.00	0.00	0.08	110.74
28	0.00	0.00	0.00	0.00	0.08	100.37	28	0.00	0.00	0.00	0.00	0.09	119.23	28	0.00	0.00	0.00	0.00	0.08	110.66
29	0.00	0.00	0.00	0.00	0.00	100.37	29	0.00	0.00	0.00	0.00	0.00	119.23	29	0.00	0.00	0.00	0.00	0.00	110.66
30	0.00	0.00	0.00	0.00	0.03	100.34	30	0.00	0.00	0.00	0.00	0.03	119.20	30	0.00	0.00</				

December 2022

Offset Account

December 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1531.17							232.56							0.00
1	0.00	0.00	0.00	0.00	1.00	1530.17	1	0.00	0.00	0.00	0.00	0.15	232.41	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.98	1529.19	2	0.00	0.00	0.00	0.00	0.15	232.26	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.98	1528.21	3	0.00	0.00	0.00	0.00	0.15	232.11	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.97	1527.24	4	0.00	0.00	0.00	0.00	0.15	231.96	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.95	1526.29	5	0.00	0.00	0.00	0.00	0.14	231.82	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.95	1525.34	6	0.00	0.00	0.00	0.00	0.14	231.68	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.94	1524.40	7	0.00	0.00	0.00	0.00	0.14	231.54	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.93	1523.47	8	0.00	0.00	0.00	0.00	0.14	231.40	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.92	1522.55	9	0.00	0.00	0.00	0.00	0.14	231.26	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.91	1521.64	10	0.00	0.00	0.00	0.00	0.14	231.12	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.91	1520.73	11	0.00	0.00	0.00	0.00	0.14	230.98	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.89	1519.84	12	0.00	0.00	0.00	0.00	0.13	230.85	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.89	1518.95	13	0.00	0.00	0.00	0.00	0.13	230.72	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.49	1518.46	14	0.00	0.00	0.00	0.00	0.08	230.64	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.61	1517.85	15	0.00	0.00	0.00	0.00	0.09	230.55	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.87	1516.98	16	0.00	0.00	0.00	0.00	0.13	230.42	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.87	1516.11	17	0.00	0.00	0.00	0.00	0.13	230.29	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.17	1515.94	18	0.00	0.00	0.00	0.00	0.02	230.27	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.03	1515.91	19	0.00	0.00	0.00	0.00	0.00	230.27	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	1515.91	20	0.00	0.00	0.00	0.00	0.00	230.27	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	1515.91	21	0.00	0.00	0.00	0.00	0.00	230.27	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	1515.91	22	0.00	0.00	0.00	0.00	0.00	230.27	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	1515.91	23	0.00	0.00	0.00	0.00	0.00	230.27	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	1515.91	24	0.00	0.00	0.00	0.00	0.00	230.27	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	1515.91	25	0.00	0.00	0.00	0.00	0.00	230.27	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	1515.91	26	0.00	0.00	0.00	0.00	0.00	230.27	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	1515.91	27	0.00	0.00	0.00	0.00	0.00	230.27	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	1515.91	28	0.00	0.00	0.00	0.00	0.00	230.27	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	1515.91	29	0.00	0.00	0.00	0.00	0.00	230.27	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	1515.91	30	0.00	0.00	0.00	0.00	0.00	230.27	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	1515.91	31	0.00	0.00	0.00	0.00	0.00	230.27	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	15.26			0.00	0.00	0.00	0.00	2.29		0.00	0.00	0.00	0.00	0.00		

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1372.64							1126.09							13.99
1	0.00	0.00	0.00	0.00	0.89	1371.75	1	0.00	0.00	0.00	0.00	0.73	1125.36	1	0.00	0.00	0.00	0.00	0.01	13.98
2	0.00	0.00	0.00	0.00	0.88	1370.87	2	0.00	0.00	0.00	0.00	0.72	1124.64	2	0.00	0.00	0.00	0.00	0.01	13.97
3	0.00	0.00	0.00	0.00	0.88	1369.99	3	0.00	0.00	0.00	0.00	0.72	1123.92	3	0.00	0.00	0.00	0.00	0.01	13.96
4	0.00	0.00	0.00	0.00	0.87	1369.12	4	0.00	0.00	0.00	0.00	0.71	1123.21	4	0.00	0.00	0.00	0.00	0.01	13.95
5	0.00	0.00	0.00	0.00	0.85	1368.27	5	0.00	0.00	0.00	0.00	0.70	1122.51	5	0.00	0.00	0.00	0.00	0.01	13.94
6	0.00	0.00	0.00	0.00	0.85	1367.42	6	0.00	0.00	0.00	0.00	0.70	1121.81	6	0.00	0.00	0.00	0.00	0.01	13.93
7	0.00	0.00	0.00	0.00	0.84	1366.58	7	0.00	0.00	0.00	0.00	0.69	1121.12	7	0.00	0.00	0.00	0.00	0.01	13.92
8	0.00	0.00	0.00	0.00	0.83	1365.75	8	0.00	0.00	0.00	0.00	0.68	1120.44	8	0.00	0.00	0.00	0.00	0.01	13.91
9	0.00	0.00	0.00	0.00	0.83	1364.92	9	0.00	0.00	0.00	0.00	0.68	1119.76	9	0.00	0.00	0.00	0.00	0.01	13.90
10	0.00	0.00	0.00	0.00	0.82	1364.10	10	0.00	0.00	0.00	0.00	0.67	1119.09	10	0.00	0.00	0.00	0.00	0.01	13.89
11	0.00	0.00	0.00	0.00	0.82	1363.28	11	0.00	0.00	0.00	0.00	0.67	1118.42	11	0.00	0.00	0.00	0.00	0.01	13.88
12	0.00	0.00	0.00	0.00	0.80	1362.48	12	0.00	0.00	0.00	0.00	0.66	1117.76	12	0.00	0.00	0.00	0.00	0.01	13.87
13	0.00	0.00	0.00	0.00	0.80	1361.68	13	0.00	0.00	0.00	0.00	0.66	1117.10	13	0.00	0.00	0.00	0.00	0.01	13.86
14	0.00	0.00	0.00	0.00	0.44	1361.24	14	0.00	0.00	0.00	0.00	0.36	1116.74	14	0.00	0.00	0.00	0.00	0.00	13.86
15	0.00	0.00	0.00	0.00	0.55	1360.69	15	0.00	0.00	0.00	0.00	0.45	1116.29	15	0.00	0.00	0.00	0.00	0.01	13.85
16	0.00	0.00	0.00	0.00	0.78	1359.91	16	0.00	0.00	0.00	0.00	0.64	1115.65	16	0.00	0.00	0.00	0.00	0.01	13.84
17	0.00	0.00	0.00	0.00	0.78	1359.13	17	0.00	0.00	0.00	0.00	0.64	1115.01	17	0.00	0.00	0.00	0.00	0.01	13.83
18	0.00	0.00	0.00	0.00	0.15	1358.98	18	0.00	0.00	0.00	0.00	0.13	1114.88	18	0.00	0.00	0.00	0.00	0.00	13.83
19	0.00	0.00	0.00	0.00	0.03	1358.95	19	0.00	0.00	0.00	0.00	0.03	1114.85	19	0.00	0.00	0.00	0.00	0.00	13.83
20	0.00	0.00	0.00	0.00	0.00	1358.95	20	0.00	0.00	0.00	0.00	0.00	1114.85	20	0.00	0.00	0.00	0.00	0.00	13.83
21	0.00	0.00	0.00	0.00	0.00	1358.95	21	0.00	0.00	0.00	0.00	0.00	1114.85	21	0.00	0.00	0.00	0.00	0.00	13.83
22	0.00	0.00	0.00	0.00	0.00	1358.95	22	0.00	0.00	0.00	0.00	0.00	1114.85	22	0.00	0.00	0.00	0.00	0.00	13.83
23	0.00	0.00	0.00	0.00	0.00	1358.95	23	0.00	0.00	0.00	0.00	0.00	1114.85	23	0.00	0.00	0.00	0.00	0.00	13.83
24	0.00	0.00	0.00	0.00	0.00	1358.95	24	0.00	0.00	0.00	0.00	0.00	1114.85	24	0.00	0.00	0.00	0.00	0.00	13.83
25	0.00	0.00	0.00	0.00	0.00	1358.95	25	0.00	0.00	0.00	0.00	0.00	1114.85	25	0.00	0.00	0.00	0.00	0.00	13.83
26	0.00	0.00	0.00	0.00	0.00	1358.95	26	0.00	0.00	0.00	0.00	0.00	1114.85	26	0.00	0.00	0.00	0.00	0.00	13.83
27	0.00	0.00	0.00	0.00	0.00	1358.95	27	0.00	0.00	0.00	0.00	0.00	1114.85	27	0.00	0.00	0.00	0.00	0.00	13.83
28	0.00	0.00	0.00	0.00	0.00	1358.95	28	0.00	0.00	0.00	0.00	0.00	1114.85	28	0.00	0.00	0.00	0.00	0.00	13.83
29	0.00	0.0																		

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						158.53							58.19							2.73
1	0.00	0.00	0.00	0.00	0.11	158.42	1	0.00	0.00	0.00	0.00	0.04	58.15	1	0.00	0.00	0.00	0.00	0.00	2.73
2	0.00	0.00	0.00	0.00	0.10	158.32	2	0.00	0.00	0.00	0.00	0.04	58.11	2	0.00	0.00	0.00	0.00	0.00	2.73
3	0.00	0.00	0.00	0.00	0.10	158.22	3	0.00	0.00	0.00	0.00	0.04	58.07	3	0.00	0.00	0.00	0.00	0.00	2.73
4	0.00	0.00	0.00	0.00	0.10	158.12	4	0.00	0.00	0.00	0.00	0.04	58.03	4	0.00	0.00	0.00	0.00	0.00	2.73
5	0.00	0.00	0.00	0.00	0.10	158.02	5	0.00	0.00	0.00	0.00	0.04	57.99	5	0.00	0.00	0.00	0.00	0.00	2.73
6	0.00	0.00	0.00	0.00	0.10	157.92	6	0.00	0.00	0.00	0.00	0.04	57.95	6	0.00	0.00	0.00	0.00	0.00	2.73
7	0.00	0.00	0.00	0.00	0.10	157.82	7	0.00	0.00	0.00	0.00	0.04	57.91	7	0.00	0.00	0.00	0.00	0.00	2.73
8	0.00	0.00	0.00	0.00	0.10	157.72	8	0.00	0.00	0.00	0.00	0.04	57.87	8	0.00	0.00	0.00	0.00	0.00	2.73
9	0.00	0.00	0.00	0.00	0.09	157.63	9	0.00	0.00	0.00	0.00	0.03	57.84	9	0.00	0.00	0.00	0.00	0.00	2.73
10	0.00	0.00	0.00	0.00	0.09	157.54	10	0.00	0.00	0.00	0.00	0.03	57.81	10	0.00	0.00	0.00	0.00	0.00	2.73
11	0.00	0.00	0.00	0.00	0.09	157.45	11	0.00	0.00	0.00	0.00	0.03	57.78	11	0.00	0.00	0.00	0.00	0.00	2.73
12	0.00	0.00	0.00	0.00	0.09	157.36	12	0.00	0.00	0.00	0.00	0.03	57.75	12	0.00	0.00	0.00	0.00	0.00	2.73
13	0.00	0.00	0.00	0.00	0.09	157.27	13	0.00	0.00	0.00	0.00	0.03	57.72	13	0.00	0.00	0.00	0.00	0.00	2.73
14	0.00	0.00	0.00	0.00	0.05	157.22	14	0.00	0.00	0.00	0.00	0.02	57.70	14	0.00	0.00	0.00	0.00	0.00	2.73
15	0.00	0.00	0.00	0.00	0.06	157.16	15	0.00	0.00	0.00	0.00	0.02	57.68	15	0.00	0.00	0.00	0.00	0.00	2.73
16	0.00	0.00	0.00	0.00	0.09	157.07	16	0.00	0.00	0.00	0.00	0.03	57.65	16	0.00	0.00	0.00	0.00	0.00	2.73
17	0.00	0.00	0.00	0.00	0.09	156.98	17	0.00	0.00	0.00	0.00	0.03	57.62	17	0.00	0.00	0.00	0.00	0.00	2.73
18	0.00	0.00	0.00	0.00	0.02	156.96	18	0.00	0.00	0.00	0.00	0.01	57.61	18	0.00	0.00	0.00	0.00	0.00	2.73
19	0.00	0.00	0.00	0.00	0.00	156.96	19	0.00	0.00	0.00	0.00	0.00	57.61	19	0.00	0.00	0.00	0.00	0.00	2.73
20	0.00	0.00	0.00	0.00	0.00	156.96	20	0.00	0.00	0.00	0.00	0.00	57.61	20	0.00	0.00	0.00	0.00	0.00	2.73
21	0.00	0.00	0.00	0.00	0.00	156.96	21	0.00	0.00	0.00	0.00	0.00	57.61	21	0.00	0.00	0.00	0.00	0.00	2.73
22	0.00	0.00	0.00	0.00	0.00	156.96	22	0.00	0.00	0.00	0.00	0.00	57.61	22	0.00	0.00	0.00	0.00	0.00	2.73
23	0.00	0.00	0.00	0.00	0.00	156.96	23	0.00	0.00	0.00	0.00	0.00	57.61	23	0.00	0.00	0.00	0.00	0.00	2.73
24	0.00	0.00	0.00	0.00	0.00	156.96	24	0.00	0.00	0.00	0.00	0.00	57.61	24	0.00	0.00	0.00	0.00	0.00	2.73
25	0.00	0.00	0.00	0.00	0.00	156.96	25	0.00	0.00	0.00	0.00	0.00	57.61	25	0.00	0.00	0.00	0.00	0.00	2.73
26	0.00	0.00	0.00	0.00	0.00	156.96	26	0.00	0.00	0.00	0.00	0.00	57.61	26	0.00	0.00	0.00	0.00	0.00	2.73
27	0.00	0.00	0.00	0.00	0.00	156.96	27	0.00	0.00	0.00	0.00	0.00	57.61	27	0.00	0.00	0.00	0.00	0.00	2.73
28	0.00	0.00	0.00	0.00	0.00	156.96	28	0.00	0.00	0.00	0.00	0.00	57.61	28	0.00	0.00	0.00	0.00	0.00	2.73
29	0.00	0.00	0.00	0.00	0.00	156.96	29	0.00	0.00	0.00	0.00	0.00	57.61	29	0.00	0.00	0.00	0.00	0.00	2.73
30	0.00	0.00	0.00	0.00	0.00	156.96	30	0.00	0.00	0.00	0.00	0.00	57.61	30	0.00	0.00	0.00	0.00	0.00	2.73
31	0.00	0.00	0.00	0.00	0.00	156.96	31	0.00	0.00	0.00	0.00	0.00	57.61	31	0.00	0.00	0.00	0.00	0.00	2.73
	0.00	0.00	0.00	0.00	1.57			0.00	0.00	0.00	0.00	0.58			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						100.34							119.20							110.63
1	0.00	0.00	0.00	0.00	0.07	100.27	1	0.00	0.00	0.00	0.00	0.08	119.12	1	0.00	0.00	0.00	0.00	0.07	110.56
2	0.00	0.00	0.00	0.00	0.06	100.21	2	0.00	0.00	0.00	0.00	0.08	119.04	2	0.00	0.00	0.00	0.00	0.07	110.49
3	0.00	0.00	0.00	0.00	0.06	100.15	3	0.00	0.00	0.00	0.00	0.08	118.96	3	0.00	0.00	0.00	0.00	0.07	110.42
4	0.00	0.00	0.00	0.00	0.06	100.09	4	0.00	0.00	0.00	0.00	0.08	118.88	4	0.00	0.00	0.00	0.00	0.07	110.35
5	0.00	0.00	0.00	0.00	0.06	100.03	5	0.00	0.00	0.00	0.00	0.07	118.81	5	0.00	0.00	0.00	0.00	0.07	110.28
6	0.00	0.00	0.00	0.00	0.06	99.97	6	0.00	0.00	0.00	0.00	0.07	118.74	6	0.00	0.00	0.00	0.00	0.07	110.21
7	0.00	0.00	0.00	0.00	0.06	99.91	7	0.00	0.00	0.00	0.00	0.07	118.67	7	0.00	0.00	0.00	0.00	0.07	110.14
8	0.00	0.00	0.00	0.00	0.06	99.85	8	0.00	0.00	0.00	0.00	0.07	118.60	8	0.00	0.00	0.00	0.00	0.07	110.07
9	0.00	0.00	0.00	0.00	0.06	99.79	9	0.00	0.00	0.00	0.00	0.07	118.53	9	0.00	0.00	0.00	0.00	0.07	110.00
10	0.00	0.00	0.00	0.00	0.06	99.73	10	0.00	0.00	0.00	0.00	0.07	118.46	10	0.00	0.00	0.00	0.00	0.07	109.93
11	0.00	0.00	0.00	0.00	0.06	99.67	11	0.00	0.00	0.00	0.00	0.07	118.39	11	0.00	0.00	0.00	0.00	0.07	109.86
12	0.00	0.00	0.00	0.00	0.06	99.61	12	0.00	0.00	0.00	0.00	0.07	118.32	12	0.00	0.00	0.00	0.00	0.06	109.80
13	0.00	0.00	0.00	0.00	0.06	99.55	13	0.00	0.00	0.00	0.00	0.07	118.25	13	0.00	0.00	0.00	0.00	0.06	109.74
14	0.00	0.00	0.00	0.00	0.03	99.52	14	0.00	0.00	0.00	0.00	0.04	118.21	14	0.00	0.00	0.00	0.00	0.04	109.70
15	0.00	0.00	0.00	0.00	0.04	99.48	15	0.00	0.00	0.00	0.00	0.05	118.16	15	0.00	0.00	0.00	0.00	0.04	109.66
16	0.00	0.00	0.00	0.00	0.06	99.42	16	0.00	0.00	0.00	0.00	0.07	118.09	16	0.00	0.00	0.00	0.00	0.06	109.60
17	0.00	0.00	0.00	0.00	0.06	99.36	17	0.00	0.00	0.00	0.00	0.07	118.02	17	0.00	0.00	0.00	0.00	0.06	109.54
18	0.00	0.00	0.00	0.00	0.01	99.35	18	0.00	0.00	0.00	0.00	0.01	118.01	18	0.00	0.00	0.00	0.00	0.01	109.53
19	0.00	0.00	0.00	0.00	0.00	99.35	19	0.00	0.00	0.00	0.00	0.00	118.01	19	0.00	0.00	0.00	0.00	0.00	109.53
20	0.00	0.00	0.00	0.00	0.00	99.35	20	0.00	0.00	0.00	0.00	0.00	118.01	20	0.00	0.00	0.00	0.00	0.00	109.53
21	0.00	0.00	0.00	0.00	0.00	99.35	21	0.00	0.00	0.00	0.00	0.00	118.01	21	0.00	0.00	0.00	0.00	0.00	109.53
22	0.00	0.00	0.00	0.00	0.00	99.35	22	0.00	0.00	0.00	0.00	0.00	118.01	22	0.00	0.00	0.00	0.00	0.00	109.53
23	0.00	0.00	0.00	0.00	0.00	99.35	23	0.00	0.00	0.00	0.00	0.00	118.01	23	0.00	0.00	0.00	0.00	0.00	109.53
24	0.00	0.00	0.00	0.00	0.00	99.35	24	0.00	0.00	0.00	0.00	0.00	118.01	24	0.00	0.00	0.00	0.00	0.00	109.53
25	0.00	0.00	0.00	0.00	0.00	99.35	25	0.00	0.00	0.00	0.00	0.00	118.01	25	0.00	0.00	0.00	0.00	0.00	109.53
26	0.00	0.00	0.00	0.00	0.00	99.35	26	0.00	0.00	0.00	0.00	0.00	118.01	26	0.00	0.00	0.00	0.00	0.00	109.53
27	0.00	0.00	0.00	0.00	0.00	99.35	27	0.00	0.00	0.00	0.00	0.00	118.01	27	0.00	0.00	0.00	0.00	0.00	109.53
28	0.00	0.00	0.00	0.00	0.00	99.35	28	0.00	0.00	0.00	0.00	0.00	118.01	28	0.00	0.00	0.00	0.00	0.00	109.53
29	0.00	0.00	0.00	0.00	0.00	99.35	29	0.00	0.00	0.00	0.00	0.00	118.01							

January 2023

Offset Account

January 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1515.91							230.27							0.00
1	0.00	0.00	0.00	0.00	0.00	1515.91	1	0.00	0.00	0.00	0.00	0.00	230.27	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	1515.91	2	0.00	0.00	0.00	0.00	0.00	230.27	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	1515.91	3	0.00	0.00	0.00	0.00	0.00	230.27	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	1515.91	4	0.00	0.00	0.00	0.00	0.00	230.27	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	1515.91	5	0.00	0.00	0.00	0.00	0.00	230.27	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	1515.91	6	0.00	0.00	0.00	0.00	0.00	230.27	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	1515.91	7	0.00	0.00	0.00	0.00	0.00	230.27	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	1515.91	8	0.00	0.00	0.00	0.00	0.00	230.27	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	1515.91	9	0.00	0.00	0.00	0.00	0.00	230.27	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	1515.91	10	0.00	0.00	0.00	0.00	0.00	230.27	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.07	1515.84	11	0.00	0.00	0.00	0.00	0.02	230.25	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.03	1515.81	12	0.00	0.00	0.00	0.00	0.00	230.25	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	1515.81	13	0.00	0.00	0.00	0.00	0.00	230.25	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	1515.81	14	0.00	0.00	0.00	0.00	0.00	230.25	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	1515.81	15	0.00	0.00	0.00	0.00	0.00	230.25	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	1515.81	16	0.00	0.00	0.00	0.00	0.00	230.25	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.03	1515.78	17	0.00	0.00	0.00	0.00	0.00	230.25	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.17	1515.61	18	0.00	0.00	0.00	0.00	0.02	230.23	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.48	1515.13	19	0.00	0.00	0.00	0.00	0.07	230.16	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.69	1514.44	20	0.00	0.00	0.00	0.00	0.10	230.06	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.68	1513.76	21	0.00	0.00	0.00	0.00	0.10	229.96	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.03	1513.73	22	0.00	0.00	0.00	0.00	0.00	229.96	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.01	1513.72	23	0.00	0.00	0.00	0.00	0.00	229.96	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.06	1513.66	24	0.00	0.00	0.00	0.00	0.01	229.95	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.06	1513.60	25	0.00	0.00	0.00	0.00	0.01	229.94	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.06	1513.54	26	0.00	0.00	0.00	0.00	0.01	229.93	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.10	1513.44	27	0.00	0.00	0.00	0.00	0.02	229.91	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.10	1513.34	28	0.00	0.00	0.00	0.00	0.02	229.89	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.02	1513.32	29	0.00	0.00	0.00	0.00	0.00	229.89	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.02	1513.30	30	0.00	0.00	0.00	0.00	0.00	229.89	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	48.17	0.00	0.00	1465.13	31	0.00	0.00	48.17	0.00	0.00	181.72	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	48.17	0.00	2.61			0.00	0.00	48.17	0.00	0.38			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1358.95							1114.85							13.83
1	0.00	0.00	0.00	0.00	0.00	1358.95	1	0.00	0.00	0.00	0.00	0.00	1114.85	1	0.00	0.00	0.00	0.00	0.00	13.83
2	0.00	0.00	0.00	0.00	0.00	1358.95	2	0.00	0.00	0.00	0.00	0.00	1114.85	2	0.00	0.00	0.00	0.00	0.00	13.83
3	0.00	0.00	0.00	0.00	0.00	1358.95	3	0.00	0.00	0.00	0.00	0.00	1114.85	3	0.00	0.00	0.00	0.00	0.00	13.83
4	0.00	0.00	0.00	0.00	0.00	1358.95	4	0.00	0.00	0.00	0.00	0.00	1114.85	4	0.00	0.00	0.00	0.00	0.00	13.83
5	0.00	0.00	0.00	0.00	0.00	1358.95	5	0.00	0.00	0.00	0.00	0.00	1114.85	5	0.00	0.00	0.00	0.00	0.00	13.83
6	0.00	0.00	0.00	0.00	0.00	1358.95	6	0.00	0.00	0.00	0.00	0.00	1114.85	6	0.00	0.00	0.00	0.00	0.00	13.83
7	0.00	0.00	0.00	0.00	0.00	1358.95	7	0.00	0.00	0.00	0.00	0.00	1114.85	7	0.00	0.00	0.00	0.00	0.00	13.83
8	0.00	0.00	0.00	0.00	0.00	1358.95	8	0.00	0.00	0.00	0.00	0.00	1114.85	8	0.00	0.00	0.00	0.00	0.00	13.83
9	0.00	0.00	0.00	0.00	0.00	1358.95	9	0.00	0.00	0.00	0.00	0.00	1114.85	9	0.00	0.00	0.00	0.00	0.00	13.83
10	0.00	0.00	0.00	0.00	0.00	1358.95	10	0.00	0.00	0.00	0.00	0.00	1114.85	10	0.00	0.00	0.00	0.00	0.00	13.83
11	0.00	0.00	0.00	0.00	0.07	1358.88	11	0.00	0.00	0.00	0.00	0.05	1114.80	11	0.00	0.00	0.00	0.00	0.00	13.83
12	0.00	0.00	0.00	0.00	0.03	1358.85	12	0.00	0.00	0.00	0.00	0.03	1114.77	12	0.00	0.00	0.00	0.00	0.00	13.83
13	0.00	0.00	0.00	0.00	0.00	1358.85	13	0.00	0.00	0.00	0.00	0.00	1114.77	13	0.00	0.00	0.00	0.00	0.00	13.83
14	0.00	0.00	0.00	0.00	0.00	1358.85	14	0.00	0.00	0.00	0.00	0.00	1114.77	14	0.00	0.00	0.00	0.00	0.00	13.83
15	0.00	0.00	0.00	0.00	0.00	1358.85	15	0.00	0.00	0.00	0.00	0.00	1114.77	15	0.00	0.00	0.00	0.00	0.00	13.83
16	0.00	0.00	0.00	0.00	0.00	1358.85	16	0.00	0.00	0.00	0.00	0.00	1114.77	16	0.00	0.00	0.00	0.00	0.00	13.83
17	0.00	0.00	0.00	0.00	0.03	1358.82	17	0.00	0.00	0.00	0.00	0.03	1114.74	17	0.00	0.00	0.00	0.00	0.00	13.83
18	0.00	0.00	0.00	0.00	0.15	1358.67	18	0.00	0.00	0.00	0.00	0.13	1114.61	18	0.00	0.00	0.00	0.00	0.00	13.83
19	0.00	0.00	0.00	0.00	0.43	1358.24	19	0.00	0.00	0.00	0.00	0.36	1114.25	19	0.00	0.00	0.00	0.00	0.00	13.83
20	0.00	0.00	0.00	0.00	0.61	1357.63	20	0.00	0.00	0.00	0.00	0.50	1113.75	20	0.00	0.00	0.00	0.00	0.01	13.82
21	0.00	0.00	0.00	0.00	0.61	1357.02	21	0.00	0.00	0.00	0.00	0.50	1113.25	21	0.00	0.00	0.00	0.00	0.01	13.81
22	0.00	0.00	0.00	0.00	0.03	1356.99	22	0.00	0.00	0.00	0.00	0.03	1113.22	22	0.00	0.00	0.00	0.00	0.00	13.81
23	0.00	0.00	0.00	0.00	0.01	1356.98	23	0.00	0.00	0.00	0.00	0.01	1113.21	23	0.00	0.00	0.00	0.00	0.00	13.81
24	0.00	0.00	0.00	0.00	0.06	1356.92	24	0.00	0.00	0.00	0.00	0.05	1113.16	24	0.00	0.00	0.00	0.00	0.00	13.81
25	0.00	0.00	0.00	0.00	0.06	1356.86	25	0.00	0.00	0.00	0.00	0.05	1113.11	25	0.00	0.00	0.00	0.00	0.00	13.81
26	0.00	0.00	0.00	0.00	0.06	1356.80	26	0.00	0.00	0.00	0.00	0.05	1113.06	26	0.00	0.00	0.00	0.00	0.00	13.81
27	0.00	0.00	0.00	0.00	0.09	1356.71	27	0.00	0.00	0.00	0.00	0.07								

February 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1465.13							181.72							0.00
1	0.00	0.00	0.00	0.00	0.00	1465.13	1	0.00	0.00	0.00	0.00	0.00	181.72	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	1465.13	2	0.00	0.00	0.00	0.00	0.00	181.72	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	1465.13	3	0.00	0.00	0.00	0.00	0.00	181.72	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	1465.13	4	0.00	0.00	0.00	0.00	0.00	181.72	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	1465.13	5	0.00	0.00	0.00	0.00	0.00	181.72	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	1465.13	6	0.00	0.00	0.00	0.00	0.00	181.72	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	1465.13	7	0.00	0.00	0.00	0.00	0.00	181.72	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	1465.13	8	0.00	0.00	0.00	0.00	0.00	181.72	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	1465.13	9	0.00	0.00	0.00	0.00	0.00	181.72	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.04	1465.09	10	0.00	0.00	0.00	0.00	0.00	181.72	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.04	1465.05	11	0.00	0.00	0.00	0.00	0.00	181.72	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.04	1465.01	12	0.00	0.00	0.00	0.00	0.00	181.72	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.04	1464.97	13	0.00	0.00	0.00	0.00	0.00	181.72	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.11	1464.86	14	0.00	0.00	0.00	0.02	181.70	14	0.00	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	0.61	1464.25	15	0.00	0.00	0.00	0.09	181.61	15	0.00	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	1.01	1463.24	16	0.00	0.00	0.00	0.15	181.46	16	0.00	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	1.01	1462.23	17	0.00	0.00	0.00	0.15	181.31	17	0.00	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	1.01	1461.22	18	0.00	0.00	0.00	0.15	181.16	18	0.00	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	1.01	1460.21	19	0.00	0.00	0.00	0.15	181.01	19	0.00	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	1.00	1459.21	20	0.00	0.00	0.00	0.15	180.86	20	0.00	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	1.00	1458.21	21	0.00	0.00	0.00	0.15	180.71	21	0.00	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.99	1457.22	22	0.00	0.00	0.00	0.15	180.56	22	0.00	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.98	1456.24	23	0.00	0.00	0.00	0.15	180.41	23	0.00	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.98	1455.26	24	0.00	0.00	0.00	0.15	180.26	24	0.00	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.98	1454.28	25	0.00	0.00	0.00	0.15	180.11	25	0.00	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.98	1453.30	26	0.00	0.00	0.00	0.15	179.96	26	0.00	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.98	1452.32	27	0.00	0.00	0.00	0.15	179.81	27	0.00	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	1.55	1450.77	28	0.00	0.00	0.00	0.23	179.58	28	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	14.36			0.00	0.00	0.00	0.00	2.14		0.00	0.00	0.00	0.00	0.00		

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1308.41							1112.88							13.81
1	0.00	0.00	0.00	0.00	0.00	1308.41	1	0.00	0.00	0.00	0.00	0.00	1112.88	1	0.00	0.00	0.00	0.00	0.00	13.81
2	0.00	0.00	0.00	0.00	0.00	1308.41	2	0.00	0.00	0.00	0.00	0.00	1112.88	2	0.00	0.00	0.00	0.00	0.00	13.81
3	0.00	0.00	0.00	0.00	0.00	1308.41	3	0.00	0.00	0.00	0.00	0.00	1112.88	3	0.00	0.00	0.00	0.00	0.00	13.81
4	0.00	0.00	0.00	0.00	0.00	1308.41	4	0.00	0.00	0.00	0.00	0.00	1112.88	4	0.00	0.00	0.00	0.00	0.00	13.81
5	0.00	0.00	0.00	0.00	0.00	1308.41	5	0.00	0.00	0.00	0.00	0.00	1112.88	5	0.00	0.00	0.00	0.00	0.00	13.81
6	0.00	0.00	0.00	0.00	0.00	1308.41	6	0.00	0.00	0.00	0.00	0.00	1112.88	6	0.00	0.00	0.00	0.00	0.00	13.81
7	0.00	0.00	0.00	0.00	0.00	1308.41	7	0.00	0.00	0.00	0.00	0.00	1112.88	7	0.00	0.00	0.00	0.00	0.00	13.81
8	0.00	0.00	0.00	0.00	0.00	1308.41	8	0.00	0.00	0.00	0.00	0.00	1112.88	8	0.00	0.00	0.00	0.00	0.00	13.81
9	0.00	0.00	0.00	0.00	0.00	1308.41	9	0.00	0.00	0.00	0.00	0.00	1112.88	9	0.00	0.00	0.00	0.00	0.00	13.81
10	0.00	0.00	0.00	0.00	0.04	1308.37	10	0.00	0.00	0.00	0.04	1112.84	10	0.00	0.00	0.00	0.00	0.00	13.81	
11	0.00	0.00	0.00	0.00	0.04	1308.33	11	0.00	0.00	0.00	0.04	1112.80	11	0.00	0.00	0.00	0.00	0.00	13.81	
12	0.00	0.00	0.00	0.00	0.04	1308.29	12	0.00	0.00	0.00	0.04	1112.76	12	0.00	0.00	0.00	0.00	0.00	13.81	
13	0.00	0.00	0.00	0.00	0.04	1308.25	13	0.00	0.00	0.00	0.04	1112.72	13	0.00	0.00	0.00	0.00	0.00	13.81	
14	0.00	0.00	0.00	0.00	0.10	1308.15	14	0.00	0.00	0.00	0.08	1112.64	14	0.00	0.00	0.00	0.00	0.00	13.81	
15	0.00	0.00	0.00	0.00	0.55	1307.60	15	0.00	0.00	0.00	0.45	1112.19	15	0.00	0.00	0.00	0.00	0.01	13.80	
16	0.00	0.00	0.00	0.00	0.90	1306.70	16	0.00	0.00	0.00	0.74	1111.45	16	0.00	0.00	0.00	0.00	0.01	13.79	
17	0.00	0.00	0.00	0.00	0.90	1305.80	17	0.00	0.00	0.00	0.74	1110.71	17	0.00	0.00	0.00	0.00	0.01	13.78	
18	0.00	0.00	0.00	0.00	0.90	1304.90	18	0.00	0.00	0.00	0.74	1109.97	18	0.00	0.00	0.00	0.00	0.01	13.77	
19	0.00	0.00	0.00	0.00	0.90	1304.00	19	0.00	0.00	0.00	0.74	1109.23	19	0.00	0.00	0.00	0.00	0.01	13.76	
20	0.00	0.00	0.00	0.00	0.89	1303.11	20	0.00	0.00	0.00	0.73	1108.50	20	0.00	0.00	0.00	0.00	0.01	13.75	
21	0.00	0.00	0.00	0.00	0.89	1302.22	21	0.00	0.00	0.00	0.73	1107.77	21	0.00	0.00	0.00	0.00	0.01	13.74	
22	0.00	0.00	0.00	0.00	0.89	1301.33	22	0.00	0.00	0.00	0.73	1107.04	22	0.00	0.00	0.00	0.00	0.01	13.73	
23	0.00	0.00	0.00	0.00	0.88	1300.45	23	0.00	0.00	0.00	0.72	1106.32	23	0.00	0.00	0.00	0.00	0.01	13.72	
24	0.00	0.00	0.00	0.00	0.88	1299.57	24	0.00	0.00	0.00	0.72	1105.60	24	0.00	0.00	0.00	0.00	0.01	13.71	
25	0.00	0.00	0.00	0.00	0.88	1298.69	25	0.00	0.00	0.00	0.72	1104.88	25	0.00	0.00	0.00	0.00	0.01	13.70	
26	0.00	0.00	0.00	0.00	0.88	1297.81	26	0.00	0.00	0.00	0.72	1104.16	26	0.00	0.00	0.00	0.00	0.01	13.69	
27	0.00	0.00	0.00	0.00	0.88	1296.93	27	0.00	0.00	0.00	0.72	1103.44	27	0.00	0.00	0.00	0.00	0.01	13.68	
28	0.00	0.00	0.00	0.00	1.39	1295.54	28	0.00	0.00	0.00	1.15	1102.29	28	0.00	0.00	0.00	0.00	0.01	13.67	
	0.00	0.00	0.00	0.00	12.87			0.00	0.00	0.00	0.00	10.59		0.00	0.00	0.00	0.00	0.14		

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						156.72							57.52							2.73
1	0.00	0.00	0.00	0.00	0.00	156.72	1	0.00	0.00	0.00	0.00	0.00	57.52	1	0.00	0.00	0.00	0.00	0.00	2.73
2	0.00	0.00	0.00	0.00	0.00	156.72	2	0.00	0.00	0.00	0.00	0.00	57.52	2	0.00	0.00	0.00	0.00	0.00	2.73
3	0.00	0.00	0.00	0.00	0.00	156.72	3	0.00	0.00	0.00	0.00	0.00	57.52	3	0.00	0.00	0.00	0.00	0.00	2.73
4	0.00	0.00	0.00	0.00	0.00	156.72	4	0.00	0.00	0.00	0.00	0.00	57.52	4	0.00	0.00	0.00	0.00	0.00	2.73
5	0.00	0.00	0.00	0.00	0.00	156.72	5	0.00	0.00	0.00	0.00	0.00	57.52	5	0.00	0.00	0.00	0.00	0.00	2.73
6	0.00	0.00	0.00	0.00	0.00	156.72	6	0.00	0.00	0.00	0.00	0.00	57.52	6	0.00	0.00	0.00	0.00	0.00	2.73
7	0.00	0.00	0.00	0.00	0.00	156.72	7	0.00	0.00	0.00	0.00	0.00	57.52	7	0.00	0.00	0.00	0.00	0.00	2.73
8	0.00	0.00	0.00	0.00	0.00	156.72	8	0.00	0.00	0.00	0.00	0.00	57.52	8	0.00	0.00	0.00	0.00	0.00	2.73
9	0.00	0.00	0.00	0.00	0.00	156.72	9	0.00	0.00	0.00	0.00	0.00	57.52	9	0.00	0.00	0.00	0.00	0.00	2.73
10	0.00	0.00	0.00	0.00	0.00	156.72	10	0.00	0.00	0.00	0.00	0.00	57.52	10	0.00	0.00	0.00	0.00	0.00	2.73
11	0.00	0.00	0.00	0.00	0.00	156.72	11	0.00	0.00	0.00	0.00	0.00	57.52	11	0.00	0.00	0.00	0.00	0.00	2.73
12	0.00	0.00	0.00	0.00	0.00	156.72	12	0.00	0.00	0.00	0.00	0.00	57.52	12	0.00	0.00	0.00	0.00	0.00	2.73
13	0.00	0.00	0.00	0.00	0.00	156.72	13	0.00	0.00	0.00	0.00	0.00	57.52	13	0.00	0.00	0.00	0.00	0.00	2.73
14	0.00	0.00	0.00	0.00	0.01	156.71	14	0.00	0.00	0.00	0.00	0.00	57.52	14	0.00	0.00	0.00	0.00	0.00	2.73
15	0.00	0.00	0.00	0.00	0.06	156.65	15	0.00	0.00	0.00	0.00	0.02	57.50	15	0.00	0.00	0.00	0.00	0.00	2.73
16	0.00	0.00	0.00	0.00	0.11	156.54	16	0.00	0.00	0.00	0.00	0.04	57.46	16	0.00	0.00	0.00	0.00	0.00	2.73
17	0.00	0.00	0.00	0.00	0.11	156.43	17	0.00	0.00	0.00	0.00	0.04	57.42	17	0.00	0.00	0.00	0.00	0.00	2.73
18	0.00	0.00	0.00	0.00	0.11	156.32	18	0.00	0.00	0.00	0.00	0.04	57.38	18	0.00	0.00	0.00	0.00	0.00	2.73
19	0.00	0.00	0.00	0.00	0.11	156.21	19	0.00	0.00	0.00	0.00	0.04	57.34	19	0.00	0.00	0.00	0.00	0.00	2.73
20	0.00	0.00	0.00	0.00	0.11	156.10	20	0.00	0.00	0.00	0.00	0.04	57.30	20	0.00	0.00	0.00	0.00	0.00	2.73
21	0.00	0.00	0.00	0.00	0.11	155.99	21	0.00	0.00	0.00	0.00	0.04	57.26	21	0.00	0.00	0.00	0.00	0.00	2.73
22	0.00	0.00	0.00	0.00	0.10	155.89	22	0.00	0.00	0.00	0.00	0.04	57.22	22	0.00	0.00	0.00	0.00	0.00	2.73
23	0.00	0.00	0.00	0.00	0.10	155.79	23	0.00	0.00	0.00	0.00	0.04	57.18	23	0.00	0.00	0.00	0.00	0.00	2.73
24	0.00	0.00	0.00	0.00	0.10	155.69	24	0.00	0.00	0.00	0.00	0.04	57.14	24	0.00	0.00	0.00	0.00	0.00	2.73
25	0.00	0.00	0.00	0.00	0.10	155.59	25	0.00	0.00	0.00	0.00	0.04	57.10	25	0.00	0.00	0.00	0.00	0.00	2.73
26	0.00	0.00	0.00	0.00	0.10	155.49	26	0.00	0.00	0.00	0.00	0.04	57.06	26	0.00	0.00	0.00	0.00	0.00	2.73
27	0.00	0.00	0.00	0.00	0.10	155.39	27	0.00	0.00	0.00	0.00	0.04	57.02	27	0.00	0.00	0.00	0.00	0.00	2.73
28	0.00	0.00	0.00	0.00	0.16	155.23	28	0.00	0.00	0.00	0.00	0.06	56.96	28	0.00	0.00	0.00	0.00	0.00	2.73
	0.00	0.00	0.00	0.00	1.49			0.00	0.00	0.00	0.00	0.56			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						99.20							117.80							61.19
1	0.00	0.00	0.00	0.00	0.00	99.20	1	0.00	0.00	0.00	0.00	0.00	117.80	1	0.00	0.00	0.00	0.00	0.00	61.19
2	0.00	0.00	0.00	0.00	0.00	99.20	2	0.00	0.00	0.00	0.00	0.00	117.80	2	0.00	0.00	0.00	0.00	0.00	61.19
3	0.00	0.00	0.00	0.00	0.00	99.20	3	0.00	0.00	0.00	0.00	0.00	117.80	3	0.00	0.00	0.00	0.00	0.00	61.19
4	0.00	0.00	0.00	0.00	0.00	99.20	4	0.00	0.00	0.00	0.00	0.00	117.80	4	0.00	0.00	0.00	0.00	0.00	61.19
5	0.00	0.00	0.00	0.00	0.00	99.20	5	0.00	0.00	0.00	0.00	0.00	117.80	5	0.00	0.00	0.00	0.00	0.00	61.19
6	0.00	0.00	0.00	0.00	0.00	99.20	6	0.00	0.00	0.00	0.00	0.00	117.80	6	0.00	0.00	0.00	0.00	0.00	61.19
7	0.00	0.00	0.00	0.00	0.00	99.20	7	0.00	0.00	0.00	0.00	0.00	117.80	7	0.00	0.00	0.00	0.00	0.00	61.19
8	0.00	0.00	0.00	0.00	0.00	99.20	8	0.00	0.00	0.00	0.00	0.00	117.80	8	0.00	0.00	0.00	0.00	0.00	61.19
9	0.00	0.00	0.00	0.00	0.00	99.20	9	0.00	0.00	0.00	0.00	0.00	117.80	9	0.00	0.00	0.00	0.00	0.00	61.19
10	0.00	0.00	0.00	0.00	0.00	99.20	10	0.00	0.00	0.00	0.00	0.00	117.80	10	0.00	0.00	0.00	0.00	0.00	61.19
11	0.00	0.00	0.00	0.00	0.00	99.20	11	0.00	0.00	0.00	0.00	0.00	117.80	11	0.00	0.00	0.00	0.00	0.00	61.19
12	0.00	0.00	0.00	0.00	0.00	99.20	12	0.00	0.00	0.00	0.00	0.00	117.80	12	0.00	0.00	0.00	0.00	0.00	61.19
13	0.00	0.00	0.00	0.00	0.00	99.20	13	0.00	0.00	0.00	0.00	0.00	117.80	13	0.00	0.00	0.00	0.00	0.00	61.19
14	0.00	0.00	0.00	0.00	0.01	99.19	14	0.00	0.00	0.00	0.00	0.01	117.79	14	0.00	0.00	0.00	0.00	0.01	61.18
15	0.00	0.00	0.00	0.00	0.04	99.15	15	0.00	0.00	0.00	0.00	0.05	117.74	15	0.00	0.00	0.00	0.00	0.04	61.14
16	0.00	0.00	0.00	0.00	0.07	99.08	16	0.00	0.00	0.00	0.00	0.08	117.66	16	0.00	0.00	0.00	0.00	0.07	61.07
17	0.00	0.00	0.00	0.00	0.07	99.01	17	0.00	0.00	0.00	0.00	0.08	117.58	17	0.00	0.00	0.00	0.00	0.07	61.00
18	0.00	0.00	0.00	0.00	0.07	98.94	18	0.00	0.00	0.00	0.00	0.08	117.50	18	0.00	0.00	0.00	0.00	0.07	60.93
19	0.00	0.00	0.00	0.00	0.07	98.87	19	0.00	0.00	0.00	0.00	0.08	117.42	19	0.00	0.00	0.00	0.00	0.07	60.86
20	0.00	0.00	0.00	0.00	0.07	98.80	20	0.00	0.00	0.00	0.00	0.08	117.34	20	0.00	0.00	0.00	0.00	0.07	60.79
21	0.00	0.00	0.00	0.00	0.07	98.73	21	0.00	0.00	0.00	0.00	0.08	117.26	21	0.00	0.00	0.00	0.00	0.07	60.72
22	0.00	0.00	0.00	0.00	0.06	98.67	22	0.00	0.00	0.00	0.00	0.08	117.18	22	0.00	0.00	0.00	0.00	0.07	60.65
23	0.00	0.00	0.00	0.00	0.06	98.61	23	0.00	0.00	0.00	0.00	0.08	117.10	23	0.00	0.00	0.00	0.00	0.07	60.58
24	0.00	0.00	0.00	0.00	0.06	98.55	24	0.00	0.00	0.00	0.00	0.08	117.02	24	0.00	0.00	0.00	0.00	0.07	60.51
25	0.00	0.00	0.00	0.00	0.06	98.49	25	0.00	0.00	0.00	0.00	0.08	116.94	25	0.00	0.00	0.00	0.00	0.07	60.44
26	0.00	0.00	0.00	0.00	0.06	98.43	26	0.00	0.00	0.00	0.00	0.08	116.86	26	0.00	0.00	0.00	0.00	0.07	60.37
27	0.00	0.00	0.00	0.00	0.06	98.37	27	0.00	0.00	0.00	0.00	0.08	116.78	27	0.00	0.00	0.00	0.00	0.07	60.30
28	0.00	0.00	0.00	0.00	0.10	98.27	28	0.00	0.00	0.00	0.00	0.12	116.66	28	0.00	0.00	0.00	0.00	0.11	60.19
	0.00	0.00	0.00	0.00	0.93			0.00	0.00	0.00	0.00	1.14			0.00	0.00	0.00	0.00	1.00	

March 2023

Offset Account

March 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1450.77							179.58							0.00
1	0.00	0.00	0.00	0.00	1.50	1449.27	1	0.00	0.00	0.00	0.00	0.18	179.40	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.49	1447.78	2	0.00	0.00	0.00	0.00	0.18	179.22	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.49	1446.29	3	0.00	0.00	0.00	0.00	0.18	179.04	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	1016.64	1016.64	0.00	1.49	1444.80	4	0.00	0.00	0.00	0.00	0.18	178.86	4	0.00	1016.64	0.00	0.00	0.00	1016.64
5	0.00	0.00	0.00	0.00	1.48	1443.32	5	0.00	0.00	0.00	0.00	0.18	178.68	5	0.00	0.00	0.00	0.00	1.05	1015.59
6	0.00	0.00	0.00	0.00	1.48	1441.84	6	0.00	0.00	0.00	0.00	0.18	178.50	6	0.00	0.00	0.00	0.00	1.05	1014.54
7	0.00	0.00	0.00	0.00	1.47	1440.37	7	0.00	0.00	0.00	0.00	0.18	178.32	7	0.00	0.00	0.00	0.00	1.04	1013.50
8	0.00	0.00	0.00	0.00	1.47	1438.90	8	0.00	0.00	0.00	0.00	0.18	178.14	8	0.00	0.00	0.00	0.00	1.04	1012.46
9	0.00	0.00	0.00	0.00	1.47	1437.43	9	0.00	0.00	0.00	0.00	0.18	177.96	9	0.00	0.00	0.00	0.00	1.04	1011.42
10	0.00	0.00	0.00	0.00	1.46	1435.97	10	0.00	0.00	0.00	0.00	0.18	177.78	10	0.00	0.00	0.00	0.00	1.03	1010.39
11	0.00	0.00	0.00	0.00	1.46	1434.51	11	0.00	0.00	0.00	0.00	0.18	177.60	11	0.00	0.00	0.00	0.00	1.03	1009.36
12	0.00	0.00	0.00	0.00	1.46	1433.05	12	0.00	0.00	0.00	0.00	0.18	177.42	12	0.00	0.00	0.00	0.00	1.03	1008.33
13	0.00	0.00	0.00	0.00	1.45	1431.60	13	0.00	0.00	0.00	0.00	0.18	177.24	13	0.00	0.00	0.00	0.00	1.02	1007.31
14	0.00	0.00	0.00	0.00	1.45	1430.15	14	0.00	0.00	0.00	0.00	0.18	177.06	14	0.00	0.00	0.00	0.00	1.02	1006.29
15	0.00	0.00	0.00	0.00	1.45	1428.70	15	0.00	0.00	0.00	0.00	0.18	176.88	15	0.00	0.00	0.00	0.00	1.02	1005.27
16	0.00	0.00	0.00	0.00	1.44	1427.26	16	0.00	0.00	0.00	0.00	0.18	176.70	16	0.00	0.00	0.00	0.00	1.01	1004.26
17	0.00	0.00	0.00	0.00	1.44	1425.82	17	0.00	0.00	0.00	0.00	0.18	176.52	17	0.00	0.00	0.00	0.00	1.01	1003.25
18	0.00	0.00	0.00	0.00	1.44	1424.38	18	0.00	0.00	0.00	0.00	0.18	176.34	18	0.00	0.00	0.00	0.00	1.01	1002.24
19	0.00	0.00	0.00	0.00	1.44	1422.94	19	0.00	0.00	0.00	0.00	0.18	176.16	19	0.00	0.00	0.00	0.00	1.01	1001.23
20	0.00	0.00	0.00	0.00	1.43	1421.51	20	0.00	0.00	0.00	0.00	0.17	175.99	20	0.00	0.00	0.00	0.00	1.01	1000.22
21	0.00	0.00	0.00	0.00	1.42	1420.09	21	0.00	0.00	0.00	0.00	0.17	175.82	21	0.00	0.00	0.00	0.00	1.00	999.22
22	0.00	0.00	0.00	0.00	1.42	1418.67	22	0.00	0.00	0.00	0.00	0.17	175.65	22	0.00	0.00	0.00	0.00	1.00	998.22
23	0.00	0.00	0.00	0.00	1.42	1417.25	23	0.00	0.00	0.00	0.00	0.17	175.48	23	0.00	0.00	0.00	0.00	1.00	997.22
24	0.00	624.59	0.00	0.00	1.42	2040.42	24	0.00	0.00	0.00	0.00	0.17	175.31	24	0.00	0.00	0.00	0.00	1.00	996.22
25	0.00	58.44	58.44	0.00	2.03	2038.39	25	0.00	58.44	58.44	0.00	0.17	175.14	25	0.00	0.00	0.00	0.00	1.00	995.22
26	0.00	61.11	61.11	0.00	2.02	2036.37	26	0.00	61.11	61.11	0.00	0.17	174.97	26	0.00	0.00	0.00	0.00	0.99	994.23
27	0.00	0.00	0.00	0.00	2.02	2034.35	27	0.00	0.00	0.00	0.00	0.17	174.80	27	0.00	0.00	0.00	0.00	0.99	993.24
28	0.00	0.00	0.00	0.00	2.02	2032.33	28	0.00	0.00	0.00	0.00	0.17	174.63	28	0.00	0.00	0.00	0.00	0.99	992.25
29	6.51	0.00	0.00	0.00	2.02	2036.82	29	0.00	0.00	0.00	0.00	0.17	174.46	29	0.00	0.00	0.00	0.00	0.99	991.26
30	18.63	0.00	0.00	0.00	2.03	2053.42	30	0.00	0.00	0.00	0.00	0.17	174.29	30	0.00	0.00	0.00	0.00	0.99	990.27
31	19.90	63.43	63.43	0.00	3.69	2069.63	31	0.00	0.00	63.43	0.00	0.31	110.55	31	0.00	0.00	0.00	0.00	1.78	988.49
	45.04	1824.21	1199.62	0.00	50.77			0.00	119.55	182.98	0.00	5.60			0.00	1016.64	0.00	0.00	28.15	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1295.54							1102.29							13.67
1	0.00	0.00	0.00	0.00	1.34	1294.20	1	0.00	0.00	0.00	0.00	1.15	1101.14	1	0.00	0.00	0.00	0.00	0.01	13.66
2	0.00	0.00	0.00	0.00	1.33	1292.87	2	0.00	0.00	0.00	0.00	1.14	1100.00	2	0.00	0.00	0.00	0.00	0.01	13.65
3	0.00	0.00	0.00	0.00	1.33	1291.54	3	0.00	0.00	0.00	0.00	1.14	1098.86	3	0.00	0.00	0.00	0.00	0.01	13.64
4	0.00	1016.64	1016.64	0.00	1.33	1290.21	4	0.00	0.00	1016.64	0.00	1.14	81.08	4	0.00	0.00	0.00	0.00	0.01	13.63
5	0.00	0.00	0.00	0.00	1.32	1288.89	5	0.00	0.00	0.00	0.00	0.08	81.00	5	0.00	0.00	0.00	0.00	0.01	13.62
6	0.00	0.00	0.00	0.00	1.32	1287.57	6	0.00	0.00	0.00	0.00	0.08	80.92	6	0.00	0.00	0.00	0.00	0.01	13.61
7	0.00	0.00	0.00	0.00	1.31	1286.26	7	0.00	0.00	0.00	0.00	0.08	80.84	7	0.00	0.00	0.00	0.00	0.01	13.60
8	0.00	0.00	0.00	0.00	1.31	1284.95	8	0.00	0.00	0.00	0.00	0.08	80.76	8	0.00	0.00	0.00	0.00	0.01	13.59
9	0.00	0.00	0.00	0.00	1.31	1283.64	9	0.00	0.00	0.00	0.00	0.08	80.68	9	0.00	0.00	0.00	0.00	0.01	13.58
10	0.00	0.00	0.00	0.00	1.30	1282.34	10	0.00	0.00	0.00	0.00	0.08	80.60	10	0.00	0.00	0.00	0.00	0.01	13.57
11	0.00	0.00	0.00	0.00	1.30	1281.04	11	0.00	0.00	0.00	0.00	0.08	80.52	11	0.00	0.00	0.00	0.00	0.01	13.56
12	0.00	0.00	0.00	0.00	1.30	1279.74	12	0.00	0.00	0.00	0.00	0.08	80.44	12	0.00	0.00	0.00	0.00	0.01	13.55
13	0.00	0.00	0.00	0.00	1.29	1278.45	13	0.00	0.00	0.00	0.00	0.08	80.36	13	0.00	0.00	0.00	0.00	0.01	13.54
14	0.00	0.00	0.00	0.00	1.29	1277.16	14	0.00	0.00	0.00	0.00	0.08	80.28	14	0.00	0.00	0.00	0.00	0.01	13.53
15	0.00	0.00	0.00	0.00	1.29	1275.87	15	0.00	0.00	0.00	0.00	0.08	80.20	15	0.00	0.00	0.00	0.00	0.01	13.52
16	0.00	0.00	0.00	0.00	1.28	1274.59	16	0.00	0.00	0.00	0.00	0.08	80.12	16	0.00	0.00	0.00	0.00	0.01	13.51
17	0.00	0.00	0.00	0.00	1.28	1273.31	17	0.00	0.00	0.00	0.00	0.08	80.04	17	0.00	0.00	0.00	0.00	0.01	13.50
18	0.00	0.00	0.00	0.00	1.28	1272.03	18	0.00	0.00	0.00	0.00	0.08	79.96	18	0.00	0.00	0.00	0.00	0.01	13.49
19	0.00	0.00	0.00	0.00	1.28	1270.75	19	0.00	0.00	0.00	0.00	0.08	79.88	19	0.00	0.00	0.00	0.00	0.01	13.48
20	0.00	0.00	0.00	0.00	1.27	1269.48	20	0.00	0.00	0.00	0.00	0.08	79.80	20	0.00	0.00	0.00	0.00	0.01	13.47
21	0.00	0.00	0.00	0.00	1.26	1268.22	21	0.00	0.00	0.00	0.00	0.08	79.72	21	0.00	0.00	0.00	0.00	0.01	13.46
22	0.00	0.00	0.00	0.00	1.26	1266.96	22	0.00	0.00	0.00	0.00	0.08	79.64	22	0.00	0.00	0.00	0.00	0.01	13.45
23	0.00	0.00	0.00	0.00	1.26	1265.70	23	0.00	0.00	0.00	0.00	0.08	79.56	23	0.00	0.00	0.00	0.00	0.01	13.44
24	0.00	429.07	0.00	0.00	1.26	1693.51	24	0.00	0.01	0.00	0.00	0.08	79.49	24	0.00	429.06	0.00	0.00	0.01	442.49
25	0.00	58.44	58.44	0.00	1.69	1691.82	25	0.00	0.00	0.00	0.00	0.08	79.41	25	0.00	0.00	0.00	0.00	0.44	442.05
26	0.00	61.11	61.11	0.00	1.68	1690.14	26	0.00	0.00	0.00	0.00	0.08	79.33	26	0.00	0.00	0.00	0.00	0.44	441.61
27	0.00	0.00	0.00																	

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						155.23							56.96							2.73
1	0.00	0.00	0.00	0.00	0.16	155.07	1	0.00	0.00	0.00	0.00	0.06	56.90	1	0.00	0.00	0.00	0.00	0.00	2.73
2	0.00	0.00	0.00	0.00	0.16	154.91	2	0.00	0.00	0.00	0.00	0.06	56.84	2	0.00	0.00	0.00	0.00	0.00	2.73
3	0.00	0.00	0.00	0.00	0.16	154.75	3	0.00	0.00	0.00	0.00	0.06	56.78	3	0.00	0.00	0.00	0.00	0.00	2.73
4	0.00	0.00	0.00	0.00	0.16	154.59	4	0.00	0.00	0.00	0.00	0.06	56.72	4	0.00	0.00	0.00	0.00	0.00	2.73
5	0.00	0.00	0.00	0.00	0.16	154.43	5	0.00	0.00	0.00	0.00	0.06	56.66	5	0.00	0.00	0.00	0.00	0.00	2.73
6	0.00	0.00	0.00	0.00	0.16	154.27	6	0.00	0.00	0.00	0.00	0.06	56.60	6	0.00	0.00	0.00	0.00	0.00	2.73
7	0.00	0.00	0.00	0.00	0.16	154.11	7	0.00	0.00	0.00	0.00	0.06	56.54	7	0.00	0.00	0.00	0.00	0.00	2.73
8	0.00	0.00	0.00	0.00	0.16	153.95	8	0.00	0.00	0.00	0.00	0.06	56.48	8	0.00	0.00	0.00	0.00	0.00	2.73
9	0.00	0.00	0.00	0.00	0.16	153.79	9	0.00	0.00	0.00	0.00	0.06	56.42	9	0.00	0.00	0.00	0.00	0.00	2.73
10	0.00	0.00	0.00	0.00	0.16	153.63	10	0.00	0.00	0.00	0.00	0.06	56.36	10	0.00	0.00	0.00	0.00	0.00	2.73
11	0.00	0.00	0.00	0.00	0.16	153.47	11	0.00	0.00	0.00	0.00	0.06	56.30	11	0.00	0.00	0.00	0.00	0.00	2.73
12	0.00	0.00	0.00	0.00	0.16	153.31	12	0.00	0.00	0.00	0.00	0.06	56.24	12	0.00	0.00	0.00	0.00	0.00	2.73
13	0.00	0.00	0.00	0.00	0.16	153.15	13	0.00	0.00	0.00	0.00	0.06	56.18	13	0.00	0.00	0.00	0.00	0.00	2.73
14	0.00	0.00	0.00	0.00	0.16	152.99	14	0.00	0.00	0.00	0.00	0.06	56.12	14	0.00	0.00	0.00	0.00	0.00	2.73
15	0.00	0.00	0.00	0.00	0.16	152.83	15	0.00	0.00	0.00	0.00	0.06	56.06	15	0.00	0.00	0.00	0.00	0.00	2.73
16	0.00	0.00	0.00	0.00	0.16	152.67	16	0.00	0.00	0.00	0.00	0.06	56.00	16	0.00	0.00	0.00	0.00	0.00	2.73
17	0.00	0.00	0.00	0.00	0.16	152.51	17	0.00	0.00	0.00	0.00	0.06	55.94	17	0.00	0.00	0.00	0.00	0.00	2.73
18	0.00	0.00	0.00	0.00	0.16	152.35	18	0.00	0.00	0.00	0.00	0.06	55.88	18	0.00	0.00	0.00	0.00	0.00	2.73
19	0.00	0.00	0.00	0.00	0.16	152.19	19	0.00	0.00	0.00	0.00	0.06	55.82	19	0.00	0.00	0.00	0.00	0.00	2.73
20	0.00	0.00	0.00	0.00	0.16	152.03	20	0.00	0.00	0.00	0.00	0.06	55.76	20	0.00	0.00	0.00	0.00	0.00	2.73
21	0.00	0.00	0.00	0.00	0.16	151.87	21	0.00	0.00	0.00	0.00	0.06	55.70	21	0.00	0.00	0.00	0.00	0.00	2.73
22	0.00	0.00	0.00	0.00	0.16	151.71	22	0.00	0.00	0.00	0.00	0.06	55.64	22	0.00	0.00	0.00	0.00	0.00	2.73
23	0.00	0.00	0.00	0.00	0.16	151.55	23	0.00	0.00	0.00	0.00	0.06	55.58	23	0.00	0.00	0.00	0.00	0.00	2.73
24	0.00	195.52	0.00	0.00	0.16	346.91	24	0.00	17.79	0.00	0.00	0.06	73.31	24	0.00	0.00	0.00	0.00	0.00	2.73
25	0.00	0.00	0.00	0.00	0.34	346.57	25	0.00	0.00	0.00	0.00	0.07	73.24	25	0.00	58.44	0.00	0.00	0.00	61.17
26	0.00	0.00	0.00	0.00	0.34	346.23	26	0.00	0.00	0.00	0.00	0.07	73.17	26	0.00	0.00	61.11	0.00	0.06	0.00
27	0.00	0.00	0.00	0.00	0.34	345.89	27	0.00	0.00	0.00	0.00	0.07	73.10	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.34	345.55	28	0.00	0.00	0.00	0.00	0.07	73.03	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.34	345.21	29	0.00	0.00	0.00	0.00	0.07	72.96	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.34	344.87	30	0.00	0.00	0.00	0.00	0.07	72.89	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.62	344.25	31	0.00	0.00	0.00	0.00	0.13	72.76	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	195.52	0.00	0.00	6.50			0.00	17.79	0.00	0.00	1.99			0.00	58.44	61.11	0.00	0.06	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						98.27							116.66							60.19
1	0.00	0.00	0.00	0.00	0.10	98.17	1	0.00	0.00	0.00	0.00	0.12	116.54	1	0.00	0.00	0.00	0.00	0.06	60.13
2	0.00	0.00	0.00	0.00	0.10	98.07	2	0.00	0.00	0.00	0.00	0.12	116.42	2	0.00	0.00	0.00	0.00	0.06	60.07
3	0.00	0.00	0.00	0.00	0.10	97.97	3	0.00	0.00	0.00	0.00	0.12	116.30	3	0.00	0.00	0.00	0.00	0.06	60.01
4	0.00	0.00	0.00	0.00	0.10	97.87	4	0.00	0.00	0.00	0.00	0.12	116.18	4	0.00	0.00	0.00	0.00	0.06	59.95
5	0.00	0.00	0.00	0.00	0.10	97.77	5	0.00	0.00	0.00	0.00	0.12	116.06	5	0.00	0.00	0.00	0.00	0.06	59.89
6	0.00	0.00	0.00	0.00	0.10	97.67	6	0.00	0.00	0.00	0.00	0.12	115.94	6	0.00	0.00	0.00	0.00	0.06	59.83
7	0.00	0.00	0.00	0.00	0.10	97.57	7	0.00	0.00	0.00	0.00	0.12	115.82	7	0.00	0.00	0.00	0.00	0.06	59.77
8	0.00	0.00	0.00	0.00	0.10	97.47	8	0.00	0.00	0.00	0.00	0.12	115.70	8	0.00	0.00	0.00	0.00	0.06	59.71
9	0.00	0.00	0.00	0.00	0.10	97.37	9	0.00	0.00	0.00	0.00	0.12	115.58	9	0.00	0.00	0.00	0.00	0.06	59.65
10	0.00	0.00	0.00	0.00	0.10	97.27	10	0.00	0.00	0.00	0.00	0.12	115.46	10	0.00	0.00	0.00	0.00	0.06	59.59
11	0.00	0.00	0.00	0.00	0.10	97.17	11	0.00	0.00	0.00	0.00	0.12	115.34	11	0.00	0.00	0.00	0.00	0.06	59.53
12	0.00	0.00	0.00	0.00	0.10	97.07	12	0.00	0.00	0.00	0.00	0.12	115.22	12	0.00	0.00	0.00	0.00	0.06	59.47
13	0.00	0.00	0.00	0.00	0.10	96.97	13	0.00	0.00	0.00	0.00	0.12	115.10	13	0.00	0.00	0.00	0.00	0.06	59.41
14	0.00	0.00	0.00	0.00	0.10	96.87	14	0.00	0.00	0.00	0.00	0.12	114.98	14	0.00	0.00	0.00	0.00	0.06	59.35
15	0.00	0.00	0.00	0.00	0.10	96.77	15	0.00	0.00	0.00	0.00	0.12	114.86	15	0.00	0.00	0.00	0.00	0.06	59.29
16	0.00	0.00	0.00	0.00	0.10	96.67	16	0.00	0.00	0.00	0.00	0.12	114.74	16	0.00	0.00	0.00	0.00	0.06	59.23
17	0.00	0.00	0.00	0.00	0.10	96.57	17	0.00	0.00	0.00	0.00	0.12	114.62	17	0.00	0.00	0.00	0.00	0.06	59.17
18	0.00	0.00	0.00	0.00	0.10	96.47	18	0.00	0.00	0.00	0.00	0.12	114.50	18	0.00	0.00	0.00	0.00	0.06	59.11
19	0.00	0.00	0.00	0.00	0.10	96.37	19	0.00	0.00	0.00	0.00	0.12	114.38	19	0.00	0.00	0.00	0.00	0.06	59.05
20	0.00	0.00	0.00	0.00	0.10	96.27	20	0.00	0.00	0.00	0.00	0.11	114.27	20	0.00	0.00	0.00	0.00	0.06	58.99
21	0.00	0.00	0.00	0.00	0.10	96.17	21	0.00	0.00	0.00	0.00	0.11	114.16	21	0.00	0.00	0.00	0.00	0.06	58.93
22	0.00	0.00	0.00	0.00	0.10	96.07	22	0.00	0.00	0.00	0.00	0.11	114.05	22	0.00	0.00	0.00	0.00	0.06	58.87
23	0.00	0.00	0.00	0.00	0.10	95.97	23	0.00	0.00	0.00	0.00	0.11	113.94	23	0.00	0.00	0.00	0.00	0.06	58.81
24	0.00	177.73	0.00	0.00	0.10	273.60	24	0.00	0.00	0.00	0.00	0.11	113.83	24	0.00	0.00	0.00	0.00	0.06	58.75
25	0.00	0.00	0.00	0.00	0.27	273.33	25	0.00	0.00	0.00	0.00	0.11	113.72	25	0.00	0.00	58.44	0.00	0.06	0.25
26	0.00	0.00	0.00	0.00	0.27	273.06	26	0.00	61.11	0.00	0.00	0.11	174.72	26	0.00	0.00	0.00	0.00	0.00	0.25
27	0.00	0.00	0.00	0.00	0.27	272.79	27	0.00	0.00	0.00	0.00	0.17	174.55	27	0.00	0.00	0.00	0.00	0.00	0.25
28	0.00	0.00	0.00	0.00																

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OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2069.63							110.55							988.49
1	20.36	0.00	0.00	0.00	3.72	2086.27	1	0.00	0.00	0.00	0.00	0.20	110.35	1	0.00	0.00	0.00	0.00	1.78	986.71
2	27.27	0.00	0.00	0.00	3.75	2109.79	2	0.00	0.00	0.00	0.00	0.20	110.15	2	0.00	0.00	0.00	0.00	1.77	984.94
3	9.29	0.00	0.00	0.00	4.27	2114.81	3	0.00	0.00	0.00	0.00	0.22	109.93	3	0.00	0.00	0.00	0.00	2.00	982.94
4	3.00	0.00	0.00	0.00	2.68	2115.13	4	0.00	0.00	0.00	0.00	0.14	109.79	4	0.00	0.00	0.00	0.00	1.25	981.69
5	2.27	0.00	0.00	0.00	0.60	2116.80	5	0.00	0.00	0.00	0.00	0.03	109.76	5	0.00	0.00	0.00	0.00	0.28	981.41
6	3.01	0.00	0.00	0.00	2.68	2117.13	6	0.00	0.00	0.00	0.00	0.14	109.62	6	0.00	0.00	0.00	0.00	1.25	980.16
7	2.80	0.00	0.00	0.00	3.68	2116.25	7	0.00	0.00	0.00	0.00	0.19	109.43	7	0.00	0.00	0.00	0.00	1.70	978.46
8	2.72	0.00	0.00	0.00	3.68	2115.29	8	0.00	0.00	0.00	0.00	0.19	109.24	8	0.00	0.00	0.00	0.00	1.70	976.76
9	8.00	0.00	0.00	0.00	3.77	2119.52	9	0.00	0.00	0.00	0.00	0.19	109.05	9	0.00	0.00	0.00	0.00	1.74	975.02
10	11.50	0.00	0.00	0.00	1.10	2129.92	10	0.00	0.00	0.00	0.00	0.06	108.99	10	0.00	0.00	0.00	0.00	0.50	974.52
11	11.10	0.00	0.00	0.00	5.48	2135.54	11	0.00	0.00	0.00	0.00	0.28	108.71	11	0.00	0.00	0.00	0.00	2.51	972.01
12	10.33	0.00	0.00	0.00	3.10	2142.77	12	0.00	0.00	0.00	0.00	0.16	108.55	12	0.00	0.00	0.00	0.00	1.41	970.60
13	9.46	0.00	0.00	0.00	6.52	2145.71	13	0.00	0.00	0.00	0.00	0.33	108.22	13	0.00	0.00	0.00	0.00	2.96	967.64
14	8.47	0.00	0.00	0.00	2.93	2151.25	14	0.00	0.00	0.00	0.00	0.15	108.07	14	0.00	0.00	0.00	0.00	1.32	966.32
15	6.42	0.00	0.00	0.00	2.93	2154.74	15	0.00	0.00	0.00	0.00	0.15	107.92	15	0.00	0.00	0.00	0.00	1.31	965.01
16	4.98	0.00	0.00	0.00	2.93	2156.79	16	0.00	0.00	0.00	0.00	0.15	107.77	16	0.00	0.00	0.00	0.00	1.31	963.70
17	4.58	0.00	0.00	0.00	2.33	2159.04	17	0.00	0.00	0.00	0.00	0.12	107.65	17	0.00	0.00	0.00	0.00	1.04	962.66
18	5.09	0.00	0.00	0.00	5.16	2158.97	18	0.00	0.00	0.00	0.00	0.26	107.39	18	0.00	0.00	0.00	0.00	2.30	960.36
19	10.32	0.00	0.00	0.00	4.05	2165.24	19	0.00	0.00	0.00	0.00	0.20	107.19	19	0.00	0.00	0.00	0.00	1.80	958.56
20	9.56	0.00	0.00	0.00	2.35	2172.45	20	0.00	0.00	0.00	0.00	0.12	107.07	20	0.00	0.00	0.00	0.00	1.04	957.52
21	14.11	0.00	0.00	0.00	2.75	2183.81	21	0.00	0.00	0.00	0.00	0.14	106.93	21	0.00	0.00	0.00	0.00	1.21	956.31
22	24.08	0.00	0.00	0.00	2.77	2205.12	22	0.00	0.00	0.00	0.00	0.14	106.79	22	0.00	0.00	0.00	0.00	1.21	955.10
23	21.95	0.00	0.00	0.00	2.91	2224.16	23	0.00	0.00	0.00	0.00	0.14	106.65	23	0.00	0.00	0.00	0.00	1.26	953.84
24	30.52	18.79	0.00	0.00	2.83	2270.64	24	0.00	0.00	0.00	0.00	0.14	106.51	24	0.00	0.00	0.00	0.00	1.21	952.63
25	23.89	0.00	0.00	0.00	1.06	2293.47	25	0.00	0.00	0.00	0.00	0.05	106.46	25	0.00	0.00	0.00	0.00	0.45	952.18
26	9.32	0.00	0.00	0.00	0.00	2302.79	26	0.00	0.00	0.00	0.00	0.00	106.46	26	0.00	0.00	0.00	0.00	0.00	952.18
27	5.40	0.00	0.00	0.00	1.42	2306.77	27	0.00	0.00	0.00	0.00	0.07	106.39	27	0.00	0.00	0.00	0.00	0.59	951.59
28	5.99	0.00	0.00	0.00	3.49	2309.27	28	0.00	0.00	0.00	0.00	0.16	106.23	28	0.00	0.00	0.00	0.00	1.44	950.15
29	15.09	0.00	0.00	0.00	3.49	2320.87	29	0.00	0.00	0.00	0.00	0.16	106.07	29	0.00	0.00	0.00	0.00	1.43	948.72
30	4.53	0.00	0.00	0.00	3.51	2321.89	30	0.00	0.00	0.00	0.00	0.16	105.91	30	0.00	0.00	0.00	0.00	1.43	947.29
	325.41	18.79	0.00	0.00	91.94			0.00	0.00	0.00	0.00	4.64			0.00	0.00	0.00	0.00	41.20	
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1725.38							123.85							502.49
1	20.36	0.00	0.00	0.00	3.10	1742.64	1	20.36	0.00	0.00	0.00	0.22	143.99	1	0.00	0.00	0.00	0.00	0.90	501.59
2	27.27	0.00	0.00	0.00	3.13	1766.78	2	27.27	0.00	0.00	0.00	0.26	171.00	2	0.00	0.00	0.00	0.00	0.90	500.69
3	9.29	0.00	0.00	0.00	3.57	1772.50	3	9.29	0.00	0.00	0.00	0.34	179.95	3	0.00	0.00	0.00	0.00	1.01	499.68
4	3.00	0.00	0.00	0.00	2.25	1773.25	4	3.00	0.00	0.00	0.00	0.23	182.72	4	0.00	0.00	0.00	0.00	0.63	499.05
5	2.27	0.00	0.00	0.00	0.50	1775.02	5	2.27	0.00	0.00	0.00	0.05	184.94	5	0.00	0.00	0.00	0.00	0.14	498.91
6	3.01	0.00	0.00	0.00	2.25	1775.78	6	3.01	0.00	0.00	0.00	0.23	187.72	6	0.00	0.00	0.00	0.00	0.63	498.28
7	2.80	0.00	0.00	0.00	3.08	1775.50	7	2.80	0.00	0.00	0.00	0.32	190.20	7	0.00	0.00	0.00	0.00	0.87	497.41
8	2.72	0.00	0.00	0.00	3.08	1775.14	8	2.72	0.00	0.00	0.00	0.33	192.59	8	0.00	0.00	0.00	0.00	0.86	496.55
9	8.00	0.00	0.00	0.00	3.16	1779.98	9	8.00	0.00	0.00	0.00	0.34	200.25	9	0.00	0.00	0.00	0.00	0.89	495.66
10	11.50	0.00	0.00	0.00	0.92	1790.56	10	11.50	0.00	0.00	0.00	0.10	211.65	10	0.00	0.00	0.00	0.00	0.26	495.40
11	11.10	0.00	0.00	0.00	4.61	1797.05	11	11.10	0.00	0.00	0.00	0.54	222.21	11	0.00	0.00	0.00	0.00	1.28	494.12
12	10.33	0.00	0.00	0.00	2.61	1804.77	12	10.33	0.00	0.00	0.00	0.32	232.22	12	0.00	0.00	0.00	0.00	0.72	493.40
13	9.46	0.00	0.00	0.00	5.49	1808.74	13	9.46	0.00	0.00	0.00	0.70	240.98	13	0.00	0.00	0.00	0.00	1.50	491.90
14	8.47	0.00	0.00	0.00	2.47	1814.74	14	8.47	0.00	0.00	0.00	0.33	249.12	14	0.00	0.00	0.00	0.00	0.67	491.23
15	6.42	0.00	0.00	0.00	2.47	1818.69	15	6.42	0.00	0.00	0.00	0.34	255.20	15	0.00	0.00	0.00	0.00	0.67	490.56
16	4.98	0.00	0.00	0.00	2.47	1821.20	16	4.98	0.00	0.00	0.00	0.34	259.84	16	0.00	0.00	0.00	0.00	0.67	489.89
17	4.58	0.00	0.00	0.00	1.97	1823.81	17	4.58	0.00	0.00	0.00	0.28	264.14	17	0.00	0.00	0.00	0.00	0.53	489.36
18	5.09	0.00	0.00	0.00	4.36	1824.54	18	5.09	0.00	0.00	0.00	0.63	268.60	18	0.00	0.00	0.00	0.00	1.17	488.19
19	10.32	0.00	0.00	0.00	3.42	1831.44	19	10.32	0.00	0.00	0.00	0.50	278.42	19	0.00	0.00	0.00	0.00	0.92	487.27
20	9.56	0.00	0.00	0.00	1.99	1839.01	20	9.56	0.00	0.00	0.00	0.30	287.68	20	0.00	0.00	0.00	0.00	0.53	486.74
21	14.11	0.00	0.00	0.00	2.33	1850.79	21	14.11	0.00	0.00	0.00	0.36	301.43	21	0.00	0.00	0.00	0.00	0.62	486.12
22	24.08	0.00	0.00	0.00	2.35	1872.52	22	24.08	0.00	0.00	0.00	0.38	325.13	22	0.00	0.00	0.00	0.00	0.62	485.50
23	21.95	0.00	0.00	0.00	2.47	1892.00	23	21.95	0.00	0.00	0.00	0.43	346.65	23	0.00	0.00	0.00	0.00	0.64	484.86
24	30.52	16.32	0.00	0.00	2.41	1936.43	24	30.52	16.32	0.00	0.00	0.44	393.05	24	0.00	0.00	0.00	0.00	0.62	484.24
25	23.89	0.00	0.00	0.00	0.91	1959.41	25	23.89	0.00	0.00	0.00	0.18	416.76	25	0.00	0.00	0.00	0.00	0.23	484.01
26	9.32	0.00	0.00	0.00	0.00	1968.73	26	9.32	0.00	0.00	0.00	0.00	426.08	26	0.00	0.00	0.00	0.00	0.00	484.01
27	5.40	0.00	0.00	0.00	1.22	1972.91	27	5.40	0.00	0.00	0.00	0.26	431.22	27	0.00	0.00	0.00	0.00	0.30	483.71
28	5.99	0.00	0.00	0.00	2.98	1975.92	2													

May 2023

Offset Account

May 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2321.89							105.91							947.29
1	37.90	0.00	0.00	0.00	2.85	2356.94	1	0.00	0.00	0.00	0.00	0.13	105.78	1	0.00	0.00	0.00	0.00	1.16	946.13
2	54.77	0.00	0.00	0.00	3.59	2408.12	2	0.00	0.00	0.00	0.00	0.16	105.62	2	0.00	0.00	0.00	0.00	1.44	944.69
3	53.49	0.00	0.00	0.00	3.21	2458.40	3	0.00	0.00	0.00	0.00	0.14	105.48	3	0.00	0.00	0.00	0.00	1.26	943.43
4	27.62	0.00	0.00	0.00	4.68	2481.34	4	0.00	0.00	0.00	0.00	0.20	105.28	4	0.00	0.00	0.00	0.00	1.80	941.63
5	19.18	0.00	0.00	0.00	4.40	2496.12	5	0.00	0.00	0.00	0.00	0.19	105.09	5	0.00	0.00	0.00	0.00	1.67	939.96
6	21.23	0.00	0.00	0.00	4.44	2512.91	6	0.00	0.00	0.00	0.00	0.19	104.90	6	0.00	0.00	0.00	0.00	1.67	938.29
7	19.29	0.00	0.00	0.00	4.49	2527.71	7	0.00	0.00	0.00	0.00	0.19	104.71	7	0.00	0.00	0.00	0.00	1.68	936.61
8	25.67	0.00	0.00	0.00	3.91	2549.47	8	0.00	0.00	0.00	0.00	0.16	104.55	8	0.00	0.00	0.00	0.00	1.45	935.16
9	51.26	0.00	0.00	0.00	5.10	2595.63	9	0.00	0.00	0.00	0.00	0.21	104.34	9	0.00	0.00	0.00	0.00	1.87	933.29
10	53.41	0.00	0.00	0.00	0.00	2649.04	10	0.00	0.00	0.00	0.00	0.00	104.34	10	0.00	0.00	0.00	0.00	0.00	933.29
11	53.18	0.00	0.00	0.00	3.88	2698.34	11	0.00	0.00	0.00	0.00	0.15	104.19	11	0.00	0.00	0.00	0.00	1.37	931.92
12	27.57	0.00	0.00	0.00	2.50	2723.41	12	0.00	0.00	0.00	0.00	0.10	104.09	12	0.00	0.00	0.00	0.00	0.86	931.06
13	38.83	0.00	0.00	0.00	2.71	2759.53	13	0.00	0.00	0.00	0.00	0.10	103.99	13	0.00	0.00	0.00	0.00	0.93	930.13
14	49.59	0.00	0.00	0.00	2.75	2806.37	14	0.00	0.00	0.00	0.00	0.10	103.89	14	0.00	0.00	0.00	0.00	0.93	929.20
15	31.32	0.00	0.00	0.00	0.44	2837.25	15	0.00	0.00	0.00	0.00	0.02	103.87	15	0.00	0.00	0.00	0.00	0.15	929.05
16	18.45	0.00	0.00	0.00	4.64	2851.06	16	0.00	0.00	0.00	0.00	0.17	103.70	16	0.00	0.00	0.00	0.00	1.52	927.53
17	22.32	53.94	0.00	0.00	6.53	2920.79	17	0.00	0.00	0.00	0.00	0.24	103.46	17	0.00	0.00	0.00	0.00	2.12	925.41
18	34.45	0.00	0.00	0.00	4.35	2950.89	18	0.00	0.00	0.00	0.00	0.15	103.31	18	0.00	0.00	0.00	0.00	1.38	924.03
19	77.71	0.00	0.00	0.00	0.63	3027.97	19	0.00	0.00	0.00	0.00	0.02	103.29	19	0.00	0.00	0.00	0.00	0.20	923.83
20	82.13	0.00	0.00	0.00	0.64	3109.46	20	0.00	0.00	0.00	0.00	0.02	103.27	20	0.00	0.00	0.00	0.00	0.20	923.63
21	97.00	0.00	0.00	0.00	0.66	3205.80	21	0.00	0.00	0.00	0.00	0.02	103.25	21	0.00	0.00	0.00	0.00	0.20	923.43
22	60.67	0.00	0.00	0.00	5.04	3261.43	22	0.00	0.00	0.00	0.00	0.16	103.09	22	0.00	0.00	0.00	0.00	1.45	921.98
23	56.68	0.00	0.00	0.00	2.91	3315.20	23	0.00	0.00	0.00	0.00	0.09	103.00	23	0.00	0.00	0.00	0.00	0.82	921.16
24	50.19	0.00	0.00	0.00	3.49	3361.90	24	0.00	0.00	0.00	0.00	0.11	102.89	24	0.00	0.00	0.00	0.00	0.97	920.19
25	38.74	0.00	0.00	0.00	6.61	3394.03	25	0.00	0.00	0.00	0.00	0.20	102.69	25	0.00	0.00	0.00	0.00	1.81	918.38
26	50.19	0.00	0.00	0.00	5.09	3439.13	26	0.00	0.00	0.00	0.00	0.15	102.54	26	0.00	0.00	0.00	0.00	1.38	917.00
27	72.32	0.00	0.00	0.00	5.19	3506.26	27	0.00	0.00	0.00	0.00	0.15	102.39	27	0.00	0.00	0.00	0.00	1.39	915.61
28	84.53	0.00	0.00	0.00	5.36	3585.43	28	0.00	0.00	0.00	0.00	0.16	102.23	28	0.00	0.00	0.00	0.00	1.40	914.21
29	65.54	0.00	0.00	0.00	5.52	3645.45	29	0.00	0.00	0.00	0.00	0.16	102.07	29	0.00	0.00	0.00	0.00	1.41	912.80
30	48.91	0.00	0.00	0.00	4.82	3689.54	30	0.00	0.00	0.00	0.00	0.13	101.94	30	0.00	0.00	0.00	0.00	1.21	911.59
31	49.66	0.00	0.00	0.00	6.30	3732.90	31	0.00	0.00	0.00	0.00	0.17	101.77	31	0.00	0.00	0.00	0.00	1.56	910.03
	1473.80	53.94	0.00	0.00	116.73			0.00	0.00	0.00	0.00	4.14			0.00	0.00	0.00	0.00	37.26	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1989.56							454.84							481.52
1	37.90	0.00	0.00	0.00	2.44	2025.02	1	37.90	0.00	0.00	0.00	0.56	492.18	1	0.00	0.00	0.00	0.00	0.59	480.93
2	54.77	0.00	0.00	0.00	3.08	2076.71	2	54.77	0.00	0.00	0.00	0.75	546.20	2	0.00	0.00	0.00	0.00	0.73	480.20
3	53.49	0.00	0.00	0.00	2.77	2127.43	3	53.49	0.00	0.00	0.00	0.73	598.96	3	0.00	0.00	0.00	0.00	0.64	479.56
4	27.62	0.00	0.00	0.00	4.05	2151.00	4	27.62	0.00	0.00	0.00	1.14	625.44	4	0.00	0.00	0.00	0.00	0.91	478.65
5	19.18	0.00	0.00	0.00	3.82	2166.36	5	19.18	0.00	0.00	0.00	1.11	643.51	5	0.00	0.00	0.00	0.00	0.85	477.80
6	21.23	0.00	0.00	0.00	3.86	2183.73	6	21.23	0.00	0.00	0.00	1.15	663.59	6	0.00	0.00	0.00	0.00	0.85	476.95
7	19.29	0.00	0.00	0.00	3.91	2199.11	7	19.29	0.00	0.00	0.00	1.19	681.69	7	0.00	0.00	0.00	0.00	0.85	476.10
8	25.67	0.00	0.00	0.00	3.40	2221.38	8	25.67	0.00	0.00	0.00	1.05	706.31	8	0.00	0.00	0.00	0.00	0.74	475.36
9	51.26	0.00	0.00	0.00	4.44	2268.20	9	51.26	0.00	0.00	0.00	1.41	756.16	9	0.00	0.00	0.00	0.00	0.95	474.41
10	53.41	0.00	0.00	0.00	0.00	2321.61	10	53.41	0.00	0.00	0.00	0.00	809.57	10	0.00	0.00	0.00	0.00	0.00	474.41
11	53.18	0.00	0.00	0.00	3.40	2371.39	11	53.18	0.00	0.00	0.00	1.19	861.56	11	0.00	0.00	0.00	0.00	0.69	473.72
12	27.57	0.00	0.00	0.00	2.20	2396.76	12	27.57	0.00	0.00	0.00	0.80	888.33	12	0.00	0.00	0.00	0.00	0.44	473.28
13	38.83	0.00	0.00	0.00	2.38	2433.21	13	38.83	0.00	0.00	0.00	0.88	926.28	13	0.00	0.00	0.00	0.00	0.47	472.81
14	49.59	0.00	0.00	0.00	2.42	2480.38	14	49.59	0.00	0.00	0.00	0.92	974.95	14	0.00	0.00	0.00	0.00	0.47	472.34
15	31.32	0.00	0.00	0.00	0.39	2511.31	15	31.32	0.00	0.00	0.00	0.15	1006.12	15	0.00	0.00	0.00	0.00	0.07	472.27
16	18.45	0.00	0.00	0.00	4.11	2525.65	16	18.45	0.00	0.00	0.00	1.65	1022.92	16	0.00	0.00	0.00	0.00	0.77	471.50
17	22.32	33.32	0.00	0.00	5.78	2575.51	17	22.32	33.32	0.00	0.00	2.34	1076.22	17	0.00	0.00	0.00	0.00	1.08	470.42
18	34.45	0.00	0.00	0.00	3.84	2606.12	18	34.45	0.00	0.00	0.00	1.61	1109.06	18	0.00	0.00	0.00	0.00	0.70	469.72
19	77.71	0.00	0.00	0.00	0.56	2683.27	19	77.71	0.00	0.00	0.00	0.24	1186.53	19	0.00	0.00	0.00	0.00	0.10	469.62
20	82.13	0.00	0.00	0.00	0.57	2764.83	20	82.13	0.00	0.00	0.00	0.25	1268.41	20	0.00	0.00	0.00	0.00	0.10	469.52
21	97.00	0.00	0.00	0.00	0.59	2861.24	21	97.00	0.00	0.00	0.00	0.27	1365.14	21	0.00	0.00	0.00	0.00	0.10	469.42
22	60.67	0.00	0.00	0.00	4.50	2917.41	22	60.67	0.00	0.00	0.00	2.15	1423.66	22	0.00	0.00	0.00	0.00	0.74	468.68
23	56.68	0.00	0.00	0.00	2.60	2971.49	23	56.68	0.00	0.00	0.00	1.27	1479.07	23	0.00	0.00	0.00	0.00	0.42	468.26
24	50.19	0.00	0.00	0.00	3.13	3018.55	24	50.19	0.00	0.00	0.00	1.56	1527.70	24	0.00	0.00	0.00	0.00	0.49	467.77
25	38.74	0.00	0.00	0.00	5.93	3051.36	25	38.74	0.00	0.00	0.00	3.00	1563.44	25	0.00	0.00	0.00	0.00	0.92	466.85
26	50.19	0.00	0.00	0.00	4.58	3096.97	26	50.19	0.00	0.00	0.00	2.35	1611.28	26	0.00	0.00	0.00	0.00	0.70	466.15
27	72.32	0.00	0.00	0.00	4.68	3164.61	27	72.32	0.00	0.00	0.00	2.44	1681.16	27	0.00	0.00	0.00	0.00	0.70	465.45
28	84.53	0.00	0.00	0.00																

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						332.33							69.83							0.00
1	0.00	0.00	0.00	0.00	0.41	331.92	1	0.00	0.00	0.00	0.00	0.09	69.74	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.51	331.41	2	0.00	0.00	0.00	0.00	0.11	69.63	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.44	330.97	3	0.00	0.00	0.00	0.00	0.09	69.54	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.63	330.34	4	0.00	0.00	0.00	0.00	0.13	69.41	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.58	329.76	5	0.00	0.00	0.00	0.00	0.12	69.29	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.58	329.18	6	0.00	0.00	0.00	0.00	0.12	69.17	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.58	328.60	7	0.00	0.00	0.00	0.00	0.12	69.05	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.51	328.09	8	0.00	0.00	0.00	0.00	0.11	68.94	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.66	327.43	9	0.00	0.00	0.00	0.00	0.14	68.80	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	327.43	10	0.00	0.00	0.00	0.00	0.00	68.80	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.48	326.95	11	0.00	0.00	0.00	0.00	0.10	68.70	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.30	326.65	12	0.00	0.00	0.00	0.00	0.06	68.64	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.33	326.32	13	0.00	0.00	0.00	0.00	0.07	68.57	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.33	325.99	14	0.00	0.00	0.00	0.00	0.07	68.50	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.05	325.94	15	0.00	0.00	0.00	0.00	0.01	68.49	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.53	325.41	16	0.00	0.00	0.00	0.00	0.11	68.38	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	20.62	0.00	0.00	0.75	345.28	17	0.00	1.75	0.00	0.00	0.16	69.97	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.51	344.77	18	0.00	0.00	0.00	0.00	0.10	69.87	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.07	344.70	19	0.00	0.00	0.00	0.00	0.01	69.86	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.07	344.63	20	0.00	0.00	0.00	0.00	0.01	69.85	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.07	344.56	21	0.00	0.00	0.00	0.00	0.01	69.84	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.54	344.02	22	0.00	0.00	0.00	0.00	0.11	69.73	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.31	343.71	23	0.00	0.00	0.00	0.00	0.06	69.67	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.36	343.35	24	0.00	0.00	0.00	0.00	0.07	69.60	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.68	342.67	25	0.00	0.00	0.00	0.00	0.14	69.46	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.51	342.16	26	0.00	0.00	0.00	0.00	0.10	69.36	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.51	341.65	27	0.00	0.00	0.00	0.00	0.10	69.26	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.53	341.12	28	0.00	0.00	0.00	0.00	0.11	69.15	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.53	340.59	29	0.00	0.00	0.00	0.00	0.11	69.04	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.45	340.14	30	0.00	0.00	0.00	0.00	0.09	68.95	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.58	339.56	31	0.00	0.00	0.00	0.00	0.12	68.83	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	20.62	0.00	0.00	13.39			0.00	1.75	0.00	0.00	2.75		0.00	0.00	0.00	0.00	0.00		

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						262.50							105.66							0.25
1	0.00	0.00	0.00	0.00	0.32	262.18	1	0.00	0.00	0.00	0.00	0.13	105.53	1	0.00	0.00	0.00	0.00	0.00	0.25
2	0.00	0.00	0.00	0.00	0.40	261.78	2	0.00	0.00	0.00	0.00	0.16	105.37	2	0.00	0.00	0.00	0.00	0.00	0.25
3	0.00	0.00	0.00	0.00	0.35	261.43	3	0.00	0.00	0.00	0.00	0.14	105.23	3	0.00	0.00	0.00	0.00	0.00	0.25
4	0.00	0.00	0.00	0.00	0.50	260.93	4	0.00	0.00	0.00	0.00	0.20	105.03	4	0.00	0.00	0.00	0.00	0.00	0.25
5	0.00	0.00	0.00	0.00	0.46	260.47	5	0.00	0.00	0.00	0.00	0.19	104.84	5	0.00	0.00	0.00	0.00	0.00	0.25
6	0.00	0.00	0.00	0.00	0.46	260.01	6	0.00	0.00	0.00	0.00	0.19	104.65	6	0.00	0.00	0.00	0.00	0.00	0.25
7	0.00	0.00	0.00	0.00	0.46	259.55	7	0.00	0.00	0.00	0.00	0.19	104.46	7	0.00	0.00	0.00	0.00	0.00	0.25
8	0.00	0.00	0.00	0.00	0.40	259.15	8	0.00	0.00	0.00	0.00	0.16	104.30	8	0.00	0.00	0.00	0.00	0.00	0.25
9	0.00	0.00	0.00	0.00	0.52	258.63	9	0.00	0.00	0.00	0.00	0.21	104.09	9	0.00	0.00	0.00	0.00	0.00	0.25
10	0.00	0.00	0.00	0.00	0.00	258.63	10	0.00	0.00	0.00	0.00	0.00	104.09	10	0.00	0.00	0.00	0.00	0.00	0.25
11	0.00	0.00	0.00	0.00	0.38	258.25	11	0.00	0.00	0.00	0.00	0.15	103.94	11	0.00	0.00	0.00	0.00	0.00	0.25
12	0.00	0.00	0.00	0.00	0.24	258.01	12	0.00	0.00	0.00	0.00	0.10	103.84	12	0.00	0.00	0.00	0.00	0.00	0.25
13	0.00	0.00	0.00	0.00	0.26	257.75	13	0.00	0.00	0.00	0.00	0.10	103.74	13	0.00	0.00	0.00	0.00	0.00	0.25
14	0.00	0.00	0.00	0.00	0.26	257.49	14	0.00	0.00	0.00	0.00	0.10	103.64	14	0.00	0.00	0.00	0.00	0.00	0.25
15	0.00	0.00	0.00	0.00	0.04	257.45	15	0.00	0.00	0.00	0.00	0.02	103.62	15	0.00	0.00	0.00	0.00	0.00	0.25
16	0.00	0.00	0.00	0.00	0.42	257.03	16	0.00	0.00	0.00	0.00	0.17	103.45	16	0.00	0.00	0.00	0.00	0.00	0.25
17	0.00	18.87	0.00	0.00	0.59	275.31	17	0.00	0.00	0.00	0.00	0.24	103.21	17	0.00	0.00	0.00	0.00	0.00	0.25
18	0.00	0.00	0.00	0.00	0.41	274.90	18	0.00	0.00	0.00	0.00	0.15	103.06	18	0.00	0.00	0.00	0.00	0.00	0.25
19	0.00	0.00	0.00	0.00	0.06	274.84	19	0.00	0.00	0.00	0.00	0.02	103.04	19	0.00	0.00	0.00	0.00	0.00	0.25
20	0.00	0.00	0.00	0.00	0.06	274.78	20	0.00	0.00	0.00	0.00	0.02	103.02	20	0.00	0.00	0.00	0.00	0.00	0.25
21	0.00	0.00	0.00	0.00	0.06	274.72	21	0.00	0.00	0.00	0.00	0.02	103.00	21	0.00	0.00	0.00	0.00	0.00	0.25
22	0.00	0.00	0.00	0.00	0.43	274.29	22	0.00	0.00	0.00	0.00	0.16	102.84	22	0.00	0.00	0.00	0.00	0.00	0.25
23	0.00	0.00	0.00	0.00	0.25	274.04	23	0.00	0.00	0.00	0.00	0.09	102.75	23	0.00	0.00	0.00	0.00	0.00	0.25
24	0.00	0.00	0.00	0.00	0.29	273.75	24	0.00	0.00	0.00	0.00	0.11	102.64	24	0.00	0.00	0.00	0.00	0.00	0.25
25	0.00	0.00	0.00	0.00	0.54	273.21	25	0.00	0.00	0.00	0.00	0.20	102.44	25	0.00	0.00	0.00	0.00	0.00	0.25
26	0.00	0.00	0.00	0.00	0.41	272.80	26	0.00	0.00	0.00	0.00	0.15	102.29	26	0.00	0.00	0.00	0.00	0.00	0.25
27	0.00	0.00	0.00	0.00	0.41	272.39	27	0.00	0.00	0.00	0.00	0.15	102.14	27	0.00	0.00	0.00	0.00	0.00	0.25
28	0.00	0.00	0.00	0.00	0.42	271.97	28	0.00	0.00	0.00	0.00	0.16	101.98	28	0.00	0.00	0.00	0.00	0.00	0.25
29	0.00	0.00	0.00	0.00	0.42	271.55	29	0.00	0.00	0.00	0.00	0.16	101.82	29	0.00	0.00	0.00			

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OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						3732.90							101.77							910.03
1	83.50	886.96	886.96	0.00	7.36	3809.04	1	0.00	0.00	0.00	0.00	0.20	101.57	1	0.00	0.00	886.96	0.00	1.80	21.27
2	107.72	0.03	0.03	0.00	0.00	3916.76	2	0.57	0.03	0.03	0.00	0.00	102.14	2	0.00	0.00	0.00	0.00	0.00	21.27
3	91.98	0.69	0.69	0.00	0.00	4008.74	3	13.92	0.69	0.69	0.00	0.00	116.06	3	0.00	0.00	0.00	0.00	0.00	21.27
4	80.07	0.69	0.69	0.00	0.00	4088.81	4	13.92	0.69	0.69	0.00	0.00	129.98	4	0.00	0.00	0.00	0.00	0.00	21.27
5	118.93	0.69	0.69	0.00	5.95	4201.79	5	13.92	0.69	0.69	0.00	0.19	143.71	5	0.00	0.00	0.00	0.00	0.03	21.24
6	119.70	0.69	0.69	0.00	8.88	4312.61	6	13.92	0.69	0.69	0.00	0.30	157.33	6	0.00	0.00	0.00	0.00	0.05	21.19
7	97.40	0.69	0.69	0.00	5.16	4404.85	7	13.92	0.69	0.69	0.00	0.19	171.06	7	0.00	0.00	0.00	0.00	0.03	21.16
8	128.88	0.69	0.69	0.00	8.94	4524.79	8	13.92	0.69	0.69	0.00	0.34	184.64	8	0.00	0.00	0.00	0.00	0.04	21.12
9	128.35	0.69	0.69	0.00	7.47	4645.67	9	13.92	0.69	0.69	0.00	0.30	198.26	9	0.00	0.00	0.00	0.00	0.04	21.08
10	126.57	0.69	0.69	0.00	7.44	4764.90	10	13.92	0.69	0.69	0.00	0.32	211.86	10	0.00	0.00	0.00	0.00	0.03	21.05
11	119.32	0.69	0.69	0.00	7.44	4876.78	11	13.92	0.69	0.69	0.00	0.33	225.45	11	0.00	0.00	0.00	0.00	0.03	21.02
12	89.44	0.69	0.69	0.00	3.13	4963.09	12	13.92	0.69	0.69	0.00	0.15	239.22	12	0.00	0.00	0.00	0.00	0.01	21.01
13	94.84	0.69	0.69	0.00	5.04	5052.89	13	13.92	0.69	0.69	0.00	0.24	252.90	13	0.00	0.00	0.00	0.00	0.02	20.99
14	114.50	0.69	0.69	0.00	8.14	5159.25	14	13.92	0.69	0.69	0.00	0.41	266.41	14	0.00	0.00	0.00	0.00	0.04	20.95
15	99.70	0.69	0.69	0.00	4.63	5254.32	15	13.92	0.69	0.69	0.00	0.25	280.08	15	0.00	0.00	0.00	0.00	0.02	20.93
16	154.14	0.69	0.69	0.00	10.25	5398.21	16	13.92	0.69	0.69	0.00	0.54	293.46	16	0.00	0.00	0.00	0.00	0.04	20.89
17	141.72	0.27	0.27	0.00	10.28	5529.65	17	5.39	0.27	0.27	0.00	0.56	298.29	17	0.00	0.00	0.00	0.00	0.04	20.85
18	136.69	0.17	0.17	0.00	10.11	5656.23	18	3.48	0.17	0.17	0.00	0.55	301.22	18	0.00	0.00	0.00	0.00	0.04	20.81
19	130.30	0.12	0.12	0.00	9.77	5776.76	19	2.44	0.12	0.12	0.00	0.52	303.14	19	0.00	0.00	0.00	0.00	0.04	20.77
20	126.95	0.00	0.00	0.00	6.95	5896.76	20	0.00	0.00	0.00	0.00	0.37	302.77	20	0.00	0.00	0.00	0.00	0.03	20.74
21	102.93	0.00	0.00	0.00	15.55	5984.14	21	0.00	0.00	0.00	0.00	0.90	301.87	21	0.00	0.00	0.00	0.00	0.06	20.68
22	97.34	0.00	0.00	0.00	2.51	6078.97	22	0.00	0.00	0.00	0.00	0.13	301.74	22	0.00	0.00	0.00	0.00	0.01	20.67
23	67.45	0.00	0.00	0.00	9.11	6137.31	23	0.00	0.00	0.00	0.00	0.45	301.29	23	0.00	0.00	0.00	0.00	0.03	20.64
24	56.90	0.00	0.00	0.00	9.05	6185.16	24	0.00	0.00	0.00	0.00	0.56	300.73	24	0.00	0.00	0.00	0.00	0.03	20.61
25	55.37	0.00	0.00	0.00	8.97	6231.56	25	0.00	0.00	0.00	0.00	0.57	300.16	25	0.00	0.00	0.00	0.00	0.03	20.58
26	51.77	0.00	0.00	0.00	11.38	6271.95	26	0.00	0.00	0.00	0.00	0.73	299.43	26	0.00	0.00	0.00	0.00	0.04	20.54
27	70.71	0.00	0.00	0.00	12.15	6330.51	27	0.00	0.00	0.00	0.00	0.58	298.85	27	0.00	0.00	0.00	0.00	0.04	20.50
28	65.66	0.00	0.00	0.00	7.76	6388.41	28	0.00	0.00	0.00	0.00	0.36	298.49	28	0.00	0.00	0.00	0.00	0.03	20.47
29	32.65	0.00	0.00	0.00	1.84	6419.22	29	0.00	0.00	0.00	0.00	0.12	298.37	29	0.00	0.00	0.00	0.00	0.01	20.46
30	33.06	0.00	0.00	0.00	7.16	6445.12	30	0.00	0.00	0.00	0.00	0.51	297.86	30	0.00	0.00	0.00	0.00	0.02	20.44
	2924.54	897.21	897.21	0.00	212.32			206.76	10.25	10.25	0.00	10.67			0.00	0.00	886.96	0.00	2.63	
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						3393.34							1918.91							462.63
1	83.50	886.96	886.96	0.00	6.69	3470.15	1	83.50	886.96	0.00	0.00	3.78	2885.59	1	0.00	0.00	0.00	0.00	0.91	461.72
2	107.72	0.03	0.03	0.00	0.00	3577.87	2	107.15	0.00	0.00	0.00	0.00	2992.74	2	0.00	0.00	0.00	0.00	0.00	461.72
3	91.98	0.69	0.69	0.00	0.00	3669.85	3	78.06	0.00	0.00	0.00	0.00	3070.80	3	0.00	0.00	0.00	0.00	0.00	461.72
4	80.07	0.69	0.69	0.00	0.00	3749.92	4	66.15	0.00	0.00	0.00	0.00	3136.95	4	0.00	0.00	0.00	0.00	0.00	461.72
5	118.93	0.69	0.69	0.00	5.46	3863.39	5	105.01	0.00	0.00	0.00	4.57	3237.39	5	0.00	0.00	0.00	0.00	0.67	461.05
6	119.70	0.69	0.69	0.00	8.16	3974.93	6	105.78	0.00	0.00	0.00	6.84	3336.33	6	0.00	0.00	0.00	0.00	0.97	460.08
7	97.40	0.69	0.69	0.00	4.76	4067.57	7	83.48	0.00	0.00	0.00	3.99	3415.82	7	0.00	0.00	0.00	0.00	0.55	459.53
8	128.88	0.69	0.69	0.00	8.25	4188.20	8	114.96	0.00	0.00	0.00	6.94	3523.84	8	0.00	0.00	0.00	0.00	0.93	458.60
9	128.35	0.69	0.69	0.00	6.92	4309.63	9	114.43	0.00	0.00	0.00	5.82	3632.45	9	0.00	0.00	0.00	0.00	0.76	457.84
10	126.57	0.69	0.69	0.00	6.81	4429.39	10	112.65	0.00	0.00	0.00	5.74	3739.36	10	0.00	0.00	0.00	0.00	0.72	457.12
11	119.32	0.69	0.69	0.00	6.91	4541.80	11	105.40	0.00	0.00	0.00	5.84	3838.92	11	0.00	0.00	0.00	0.00	0.71	456.41
12	89.44	0.69	0.69	0.00	2.92	4628.32	12	75.52	0.00	0.00	0.00	2.47	3911.97	12	0.00	0.00	0.00	0.00	0.29	456.12
13	94.84	0.69	0.69	0.00	4.70	4718.46	13	80.92	0.00	0.00	0.00	3.98	3988.91	13	0.00	0.00	0.00	0.00	0.46	455.66
14	114.50	0.69	0.69	0.00	7.60	4825.36	14	100.58	0.00	0.00	0.00	6.42	4083.07	14	0.00	0.00	0.00	0.00	0.73	454.93
15	99.70	0.69	0.69	0.00	4.33	4920.73	15	85.78	0.00	0.00	0.00	3.65	4165.20	15	0.00	0.00	0.00	0.00	0.41	454.52
16	154.14	0.69	0.69	0.00	9.60	5065.27	16	140.22	0.00	0.00	0.00	8.13	4297.29	16	0.00	0.00	0.00	0.00	0.89	453.63
17	141.72	0.27	0.27	0.00	9.64	5197.35	17	136.33	0.00	0.00	0.00	8.18	4425.44	17	0.00	0.00	0.00	0.00	0.86	452.77
18	136.69	0.17	0.17	0.00	9.51	5324.53	18	133.21	0.00	0.00	0.00	8.09	4550.56	18	0.00	0.00	0.00	0.00	0.83	451.94
19	130.30	0.12	0.12	0.00	9.19	5445.64	19	127.86	0.00	0.00	0.00	7.85	4670.57	19	0.00	0.00	0.00	0.00	0.78	451.16
20	126.95	0.00	0.00	0.00	6.55	5566.04	20	126.95	0.00	0.00	0.00	5.61	4791.91	20	0.00	0.00	0.00	0.00	0.54	450.62
21	102.93	0.00	0.00	0.00	14.68	5654.29	21	102.93	0.00	0.00	0.00	12.54	4882.30	21	0.00	0.00	0.00	0.00	1.18	449.44
22	97.34	0.00	0.00	0.00	2.37	5749.26	22	97.34	0.00	0.00	0.00	2.04	4977.60	22	0.00	0.00	0.00	0.00	0.19	449.25
23	67.45	0.00	0.00	0.00	8.62	5808.09	23	67.45	0.00	0.00	0.00	7.47	5037.58	23	0.00	0.00	0.00	0.00	0.67	448.58
24	56.90	0.00	0.00	0.00	8.57	5856.42	24	56.90	0.00	0.00	0.00	7.33	5087.15	24	0.00	0.00	0.00	0.00	0.65	447.93
25	55.37	0.00	0.00	0.00	8.50	5903.29	25	55.37	0.00	0.00	0.00	7.26	5135.26	25	0.00	0.00	0.00	0.00	0.64	447.29
26	51.77	0.00	0.00	0.00	10.79	5944.27	26	51.77	0.00	0.00	0.00	9.22	5177.81	26	0.00	0.00	0.00	0.00	0.80	446.49
27	70.71	0.00	0.00	0.00	11.51	6003.47	27	70.71	0.00	0.00	0.00	10.03	5238.49	27						

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						339.56							68.83							0.00
1	0.00	0.00	0.00	0.00	0.67	338.89	1	0.00	0.00	0.00	0.00	0.14	68.69	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	338.89	2	0.00	0.00	0.00	0.00	0.00	68.69	2	0.43	0.00	0.02	0.00	0.00	0.41
3	0.00	0.00	0.00	0.00	0.00	338.89	3	0.00	0.00	0.00	0.00	0.00	68.69	3	10.44	0.00	0.52	0.00	0.00	10.33
4	0.00	0.00	0.00	0.00	0.00	338.89	4	0.00	0.00	0.00	0.00	0.00	68.69	4	10.44	0.00	0.52	0.00	0.00	20.25
5	0.00	0.00	0.00	0.00	0.49	338.40	5	0.00	0.00	0.00	0.00	0.10	68.59	5	10.44	0.00	0.52	0.00	0.03	30.14
6	0.00	0.00	0.00	0.00	0.72	337.68	6	0.00	0.00	0.00	0.00	0.15	68.44	6	10.44	0.00	0.52	0.00	0.06	40.00
7	0.00	0.00	0.00	0.00	0.40	337.28	7	0.00	0.00	0.00	0.00	0.08	68.36	7	10.44	0.00	0.52	0.00	0.05	49.87
8	0.00	0.00	0.00	0.00	0.69	336.59	8	0.00	0.00	0.00	0.00	0.14	68.22	8	10.44	0.00	0.52	0.00	0.10	59.69
9	0.00	0.00	0.00	0.00	0.55	336.04	9	0.00	0.00	0.00	0.00	0.11	68.11	9	10.44	0.00	0.52	0.00	0.10	69.51
10	0.00	0.00	0.00	0.00	0.53	335.51	10	0.00	0.00	0.00	0.00	0.11	68.00	10	10.44	0.00	0.52	0.00	0.11	79.32
11	0.00	0.00	0.00	0.00	0.21	334.98	11	0.00	0.00	0.00	0.00	0.11	67.89	11	10.44	0.00	0.52	0.00	0.12	89.12
12	0.00	0.00	0.00	0.00	0.34	334.43	12	0.00	0.00	0.00	0.00	0.04	67.85	12	10.44	0.00	0.52	0.00	0.06	98.98
13	0.00	0.00	0.00	0.00	0.54	333.89	13	0.00	0.00	0.00	0.00	0.07	67.78	13	10.44	0.00	0.52	0.00	0.10	108.80
14	0.00	0.00	0.00	0.00	0.30	333.59	14	0.00	0.00	0.00	0.00	0.11	67.67	14	10.44	0.00	0.52	0.00	0.18	118.54
15	0.00	0.00	0.00	0.00	0.65	332.94	15	0.00	0.00	0.00	0.00	0.06	67.61	15	10.44	0.00	0.52	0.00	0.11	128.35
16	0.00	0.00	0.00	0.00	0.64	332.30	16	0.00	0.00	0.00	0.00	0.13	67.48	16	10.44	0.00	0.52	0.00	0.25	138.02
17	0.00	0.00	0.00	0.00	0.60	331.70	17	0.00	0.00	0.00	0.00	0.13	67.35	17	1.91	0.00	0.10	0.00	0.26	139.57
18	0.00	0.00	0.00	0.00	0.58	331.12	18	0.00	0.00	0.00	0.00	0.12	67.23	18	0.00	0.00	0.00	0.00	0.26	139.31
19	0.00	0.00	0.00	0.00	0.40	330.72	19	0.00	0.00	0.00	0.00	0.12	67.11	19	0.00	0.00	0.00	0.00	0.24	139.07
20	0.00	0.00	0.00	0.00	0.87	329.85	20	0.00	0.00	0.00	0.00	0.08	67.03	20	0.00	0.00	0.00	0.00	0.17	138.90
21	0.00	0.00	0.00	0.00	0.14	329.71	21	0.00	0.00	0.00	0.00	0.18	66.85	21	0.00	0.00	0.00	0.00	0.46	138.44
22	0.00	0.00	0.00	0.00	0.49	329.22	22	0.00	0.00	0.00	0.00	0.03	66.82	22	0.00	0.00	0.00	0.00	0.06	138.38
23	0.00	0.00	0.00	0.00	0.48	328.74	23	0.00	0.00	0.00	0.00	0.10	66.72	23	0.00	0.00	0.00	0.00	0.20	138.18
24	0.00	0.00	0.00	0.00	0.47	328.27	24	0.00	0.00	0.00	0.00	0.10	66.62	24	0.00	0.00	0.00	0.00	0.30	137.88
25	0.00	0.00	0.00	0.00	0.59	327.68	25	0.00	0.00	0.00	0.00	0.10	66.52	25	0.00	0.00	0.00	0.00	0.31	137.57
26	0.00	0.00	0.00	0.00	0.64	327.04	26	0.00	0.00	0.00	0.00	0.12	66.40	26	0.00	0.00	0.00	0.00	0.40	137.17
27	0.00	0.00	0.00	0.00	0.40	326.64	27	0.00	0.00	0.00	0.00	0.13	66.27	27	0.00	0.00	0.00	0.00	0.26	136.91
28	0.00	0.00	0.00	0.00	0.09	326.55	28	0.00	0.00	0.00	0.00	0.08	66.19	28	0.00	0.00	0.00	0.00	0.16	136.75
29	0.00	0.00	0.00	0.00	0.35	326.20	29	0.00	0.00	0.00	0.00	0.02	66.17	29	0.00	0.00	0.00	0.00	0.07	136.68
30	0.00	0.00	0.00	0.00			30	0.00	0.00	0.00	0.00	0.07	66.10	30	0.00	0.00	0.00	0.00	0.30	136.38
	0.00	0.00	0.00	0.00	13.36			0.00	0.00	0.00	0.00	2.73	148.50	0.00	7.40	0.00	4.72			
OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						270.73							101.52							0.25
1	0.00	0.00	0.00	0.00	0.53	270.20	1	0.00	0.00	0.00	0.00	0.20	101.32	1	0.00	0.00	0.00	0.00	0.00	0.25
2	0.00	0.00	0.00	0.00	0.00	270.20	2	0.00	0.03	0.00	0.00	0.00	101.35	2	0.14	0.00	0.01	0.00	0.00	0.38
3	0.00	0.00	0.00	0.00	0.00	270.20	3	0.00	0.69	0.00	0.00	0.00	102.04	3	3.48	0.00	0.17	0.00	0.00	3.69
4	0.00	0.00	0.00	0.00	0.00	270.20	4	0.00	0.69	0.00	0.00	0.00	102.73	4	3.48	0.00	0.17	0.00	0.00	7.00
5	0.00	0.00	0.00	0.00	0.39	269.81	5	0.00	0.69	0.00	0.00	0.15	103.27	5	3.48	0.00	0.17	0.00	0.01	10.30
6	0.00	0.00	0.00	0.00	0.57	269.24	6	0.00	0.69	0.00	0.00	0.22	103.74	6	3.48	0.00	0.17	0.00	0.02	13.59
7	0.00	0.00	0.00	0.00	0.32	268.92	7	0.00	0.69	0.00	0.00	0.12	104.31	7	3.48	0.00	0.17	0.00	0.02	16.88
8	0.00	0.00	0.00	0.00	0.55	268.37	8	0.00	0.69	0.00	0.00	0.21	104.79	8	3.48	0.00	0.17	0.00	0.03	20.16
9	0.00	0.00	0.00	0.00	0.44	267.93	9	0.00	0.69	0.00	0.00	0.17	105.31	9	3.48	0.00	0.17	0.00	0.03	23.44
10	0.00	0.00	0.00	0.00	0.42	267.51	10	0.00	0.69	0.00	0.00	0.17	105.83	10	3.48	0.00	0.17	0.00	0.04	26.71
11	0.00	0.00	0.00	0.00	0.42	267.09	11	0.00	0.69	0.00	0.00	0.17	106.35	11	3.48	0.00	0.17	0.00	0.04	29.98
12	0.00	0.00	0.00	0.00	0.17	266.92	12	0.00	0.69	0.00	0.00	0.07	106.97	12	3.48	0.00	0.17	0.00	0.02	33.27
13	0.00	0.00	0.00	0.00	0.27	266.65	13	0.00	0.69	0.00	0.00	0.11	107.55	13	3.48	0.00	0.17	0.00	0.03	36.55
14	0.00	0.00	0.00	0.00	0.43	266.22	14	0.00	0.69	0.00	0.00	0.17	108.07	14	3.48	0.00	0.17	0.00	0.06	39.80
15	0.00	0.00	0.00	0.00	0.24	265.98	15	0.00	0.69	0.00	0.00	0.10	108.66	15	3.48	0.00	0.17	0.00	0.04	43.07
16	0.00	0.00	0.00	0.00	0.52	265.46	16	0.00	0.69	0.00	0.00	0.21	109.14	16	3.48	0.00	0.17	0.00	0.08	46.30
17	0.00	0.00	0.00	0.00	0.51	264.95	17	0.00	0.27	0.00	0.00	0.21	109.20	17	3.48	0.00	0.17	0.00	0.09	49.52
18	0.00	0.00	0.00	0.00	0.48	264.47	18	0.00	0.17	0.00	0.00	0.20	109.17	18	3.48	0.00	0.17	0.00	0.09	52.74
19	0.00	0.00	0.00	0.00	0.46	264.01	19	0.00	0.12	0.00	0.00	0.19	109.10	19	2.44	0.00	0.12	0.00	0.09	54.97
20	0.00	0.00	0.00	0.00	0.32	263.69	20	0.00	0.00	0.00	0.00	0.13	108.97	20	0.00	0.00	0.00	0.00	0.07	54.90
21	0.00	0.00	0.00	0.00	0.69	263.00	21	0.00	0.00	0.00	0.00	0.29	108.68	21	0.00	0.00	0.00	0.00	0.15	54.75
22	0.00	0.00	0.00	0.00	0.11	262.89	22	0.00	0.00	0.00	0.00	0.05	108.63	22	0.00	0.00	0.00	0.00	0.02	54.73
23	0.00	0.00	0.00	0.00	0.39	262.50	23	0.00	0.00	0.00	0.00	0.17	108.46	23	0.00	0.00	0.00	0.00	0.08	54.65
24	0.00	0.00	0.00	0.00	0.38	262.12	24	0.00	0.00	0.00	0.00	0.16	108.30	24	0.00	0.00	0.00	0.00	0.10	54.55
25	0.00	0.00	0.00	0.00	0.37	261.75	25	0.00	0.00	0.00	0.00	0.16	108.14	25	0.00	0.00	0.00	0.00	0.10	54.45
26	0.00	0.00	0.00	0.00	0.47	261.28	26	0.00	0.00	0.00	0.00	0.20	107.94	26	0.00	0.00	0.00	0.00	0.13	54.32
27	0.00	0.00	0.00	0.00	0.51	260.77	27	0.00	0.00	0.00	0.00	0.22	107.72	27	0.00	0.00	0.00	0.00	0.10	54.22
28	0.00	0.00	0.00	0.00	0.32	260.45	28	0.00	0.00	0.00	0.00	0.14	107.58	28	0.00	0.00	0.00	0.00	0.06	54.16
29	0.00	0.00	0.00	0.00	0.07	260.38	29	0.00	0.00	0.00	0.00	0.03	107.55	29	0.00	0.00	0.00	0.00	0.02	54.14
30	0.00	0.00	0.00	0.00	0.28	260.10	30	0.00	0.00	0.00	0.00	0.11	107.44	30	0.00	0.				

July 2023

Offset Account

July 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6445.12							297.86							20.44
1	137.17	1735.92	1735.92	0.00	6.97	6575.32	1	0.00	0.00	0.00	0.00	0.33	297.53	1	0.00	1735.92	0.00	0.00	0.02	1756.34
2	246.11	0.00	0.00	0.00	7.34	6814.09	2	0.00	0.00	0.00	0.00	0.33	297.20	2	0.00	0.00	0.00	0.00	1.96	1754.38
3	1118.65	0.00	0.00	0.00	4.93	7927.81	3	0.00	0.00	0.00	0.00	0.22	296.98	3	0.00	0.00	0.00	0.00	1.27	1753.11
4	1074.75	0.00	0.00	0.00	5.70	8996.86	4	0.00	0.00	0.00	0.00	0.22	296.76	4	0.00	0.00	0.00	0.00	1.26	1751.85
5	789.29	0.00	0.00	0.00	0.93	9785.22	5	0.00	0.00	0.00	0.00	0.03	296.73	5	0.00	0.00	0.00	0.00	0.18	1751.67
6	374.22	0.00	0.00	0.00	2.00	10157.44	6	0.00	0.00	0.00	0.00	0.06	296.67	6	0.00	0.00	0.00	0.00	0.36	1751.31
7	122.03	0.00	0.00	0.00	18.92	10260.55	7	0.00	0.00	0.00	0.00	0.55	296.12	7	0.00	0.00	0.00	0.00	3.26	1748.05
8	155.52	0.00	0.00	0.00	18.78	10397.29	8	0.00	0.00	0.00	0.00	0.55	295.57	8	0.00	0.00	0.00	0.00	3.20	1744.85
9	153.04	0.00	0.00	0.00	18.90	10531.43	9	0.00	0.00	0.00	0.00	0.54	295.03	9	0.00	0.00	0.00	0.00	3.17	1741.68
10	159.06	0.00	0.00	0.00	23.94	10666.55	10	0.00	0.00	0.00	0.00	0.67	294.36	10	0.00	0.00	0.00	0.00	3.96	1737.72
11	153.75	0.00	0.00	0.00	13.01	11087.29	11	0.00	0.00	0.00	0.00	0.36	294.00	11	0.00	0.00	0.00	0.00	2.12	1735.60
12	139.68	0.00	0.00	0.00	19.31	10927.66	12	0.00	0.00	0.00	0.00	0.53	293.47	12	0.00	0.00	0.00	0.00	3.10	1732.50
13	126.04	2.29	2.29	0.00	6.59	11047.11	13	0.00	0.00	0.00	0.00	0.17	293.30	13	0.00	0.00	0.00	0.00	1.05	1731.45
14	162.32	8.11	8.11	0.00	13.68	11195.75	14	10.48	0.00	0.52	0.00	0.37	302.89	14	0.00	0.00	0.00	0.00	2.14	1729.31
15	120.99	6.05	6.05	0.00	13.88	11302.86	15	10.48	0.00	0.52	0.00	0.38	312.47	15	0.00	0.00	0.00	0.00	2.14	1727.17
16	83.17	4.15	4.15	0.00	13.99	11372.04	16	10.48	0.00	0.52	0.00	0.39	322.04	16	0.00	0.00	0.00	0.00	2.14	1725.03
17	157.97	7.89	7.89	396.70	17.93	11115.38	17	10.48	0.00	0.52	0.00	0.51	331.49	17	0.00	0.00	0.00	396.70	2.72	1325.61
18	117.84	1934.80	97.74	793.40	15.02	12261.86	18	10.48	0.00	0.52	0.00	0.45	341.00	18	0.00	0.00	0.00	793.40	1.79	530.42
19	64.91	655.02	34.28	793.40	14.71	12139.40	19	10.48	0.00	0.52	0.00	0.41	350.55	19	0.00	0.00	0.00	529.78	0.64	0.00
20	52.09	2.60	2.60	793.40	23.54	11374.55	20	10.48	0.00	0.52	0.00	0.68	359.83	20	0.00	0.00	0.00	0.00	0.00	0.00
21	98.84	4.94	4.94	793.40	13.64	10666.35	21	0.00	0.00	0.00	0.00	0.44	359.39	21	0.00	0.00	0.00	0.00	0.00	0.00
22	104.55	5.23	5.23	793.40	12.76	9964.74	22	0.00	0.00	0.00	0.00	0.44	358.95	22	0.00	0.00	0.00	0.00	0.00	0.00
23	106.53	5.33	5.33	793.40	11.61	9266.26	23	0.00	0.00	0.00	0.00	0.41	358.54	23	0.00	0.00	0.00	0.00	0.00	0.00
24	19.78	0.99	0.99	793.40	18.02	8474.62	24	0.00	0.00	0.00	0.00	0.70	357.84	24	0.00	0.00	0.00	0.00	0.00	0.00
25	17.19	0.86	0.86	793.40	13.31	7685.10	25	0.00	0.00	0.00	0.00	0.56	357.28	25	0.00	0.00	0.00	0.00	0.00	0.00
26	23.88	1.19	1.19	198.02	10.65	7500.31	26	0.00	0.00	0.00	0.00	0.49	356.79	26	0.00	0.00	0.00	0.00	0.00	0.00
27	45.48	2.27	2.27	198.68	11.68	7335.43	27	0.00	0.00	0.00	0.00	0.56	356.23	27	0.00	0.00	0.00	0.00	0.00	0.00
28	43.72	2.19	2.19	229.34	11.00	7138.81	28	0.00	0.00	0.00	0.00	0.54	355.69	28	0.00	0.00	0.00	0.00	0.00	0.00
29	34.34	1.72	1.72	247.93	10.76	6914.46	29	0.00	0.00	0.00	0.00	0.54	355.15	29	0.00	0.00	0.00	0.00	0.00	0.00
30	34.77	1.74	1.74	247.93	10.27	6691.03	30	0.00	0.00	0.00	0.00	0.53	354.62	30	0.00	0.00	0.00	0.00	0.00	0.00
31	28.32	1.42	1.42	247.93	7.40	6464.02	31	0.00	0.00	0.00	0.00	0.39	354.23	31	0.00	0.00	0.00	0.00	0.00	0.00
	6066.00	4384.71	1926.91	8113.73	391.17			73.36	0.00	3.64	0.00	13.35			0.00	1735.92	0.00	1719.88	36.48	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6118.92							5356.15							444.47
1	137.17	1735.92	1735.92	0.00	6.62	6249.47	1	137.17	0.00	1735.92	0.00	5.79	3751.61	1	0.00	0.00	0.00	0.00	0.48	443.99
2	246.11	0.00	0.00	0.00	6.98	6488.60	2	246.11	0.00	0.00	0.00	4.19	3993.53	2	0.00	0.00	0.00	0.00	0.50	443.49
3	1118.65	0.00	0.00	0.00	4.69	7602.56	3	1118.65	0.00	0.00	0.00	2.88	5109.30	3	0.00	0.00	0.00	0.00	0.32	443.17
4	1074.75	0.00	0.00	0.00	5.46	8671.85	4	1074.75	0.00	0.00	0.00	3.66	6180.39	4	0.00	0.00	0.00	0.00	0.32	442.85
5	789.29	0.00	0.00	0.00	0.89	9460.25	5	789.29	0.00	0.00	0.00	0.63	6969.05	5	0.00	0.00	0.00	0.00	0.05	442.80
6	374.22	0.00	0.00	0.00	1.94	9832.53	6	374.22	0.00	0.00	0.00	1.43	7341.84	6	0.00	0.00	0.00	0.00	0.09	442.71
7	122.03	0.00	0.00	0.00	18.32	9936.24	7	122.03	0.00	0.00	0.00	13.68	7450.19	7	0.00	0.00	0.00	0.00	0.83	441.88
8	155.52	0.00	0.00	0.00	18.19	10073.57	8	155.52	0.00	0.00	0.00	13.63	7592.08	8	0.00	0.00	0.00	0.00	0.81	441.07
9	153.04	0.00	0.00	0.00	18.31	10208.30	9	153.04	0.00	0.00	0.00	13.80	7731.32	9	0.00	0.00	0.00	0.00	0.80	440.27
10	159.06	0.00	0.00	0.00	23.20	10344.16	10	159.06	0.00	0.00	0.00	17.57	7872.81	10	0.00	0.00	0.00	0.00	1.00	439.27
11	153.75	0.00	0.00	0.00	12.62	10485.29	11	153.75	0.00	0.00	0.00	9.60	8016.96	11	0.00	0.00	0.00	0.00	0.54	438.73
12	139.68	0.00	0.00	0.00	18.73	10606.24	12	139.68	0.00	0.00	0.00	14.32	8142.32	12	0.00	0.00	0.00	0.00	0.78	437.95
13	126.04	2.29	2.29	0.00	6.40	10725.88	13	126.04	0.00	2.29	0.00	4.92	8261.15	13	0.00	2.29	0.00	0.00	0.26	439.98
14	162.32	8.11	8.11	0.00	13.28	10874.92	14	151.84	0.00	7.59	0.00	10.23	8395.17	14	0.00	8.11	0.00	0.00	0.54	447.55
15	120.99	6.05	6.05	0.00	13.48	10982.43	15	110.51	0.00	5.53	0.00	10.40	8489.75	15	0.00	6.05	0.00	0.00	0.56	453.04
16	83.17	4.15	4.15	0.00	13.59	11052.01	16	72.69	0.00	3.63	0.00	10.49	8548.32	16	0.00	4.15	0.00	0.00	0.57	456.62
17	157.97	7.89	7.89	396.70	17.43	10795.85	17	147.49	0.00	7.37	0.00	13.47	8674.97	17	0.00	7.89	0.00	0.00	0.73	463.78
18	117.84	1232.40	97.74	793.40	14.59	11240.36	18	107.36	1134.66	97.22	0.00	11.73	9808.04	18	0.00	97.74	0.00	0.00	0.62	560.90
19	64.91	573.65	34.28	793.40	13.48	11037.75	19	54.43	539.37	33.76	0.00	11.75	10356.33	19	0.00	34.28	0.00	263.62	0.68	330.88
20	52.09	2.60	2.60	329.62	21.40	10738.82	20	41.61	0.00	2.08	0.00	20.08	10375.78	20	0.00	2.60	0.00	329.62	0.64	3.22
21	98.84	4.94	4.94	158.44	12.88	10666.34	21	98.84	0.00	4.94	150.28	12.44	10306.96	21	0.00	4.94	0.00	8.16	0.00	0.00
22	104.55	5.23	5.23	793.40	12.76	9964.73	22	104.55	0.00	5.23	788.17	12.32	9605.79	22	0.00	5.23	0.00	5.23	0.00	0.00
23	106.53	5.33	5.33	793.40	11.61	9266.25	23	106.53	0.00	5.33	788.07	11.20	8907.71	23	0.00	5.33	0.00	5.33	0.00	0.00
24	19.78	0.99	0.99	793.40	18.02	8474.61	24	19.78	0.00	0.99	792.41	17.32	8116.77	24	0.00	0.99	0.00	0.99	0.00	0.00
25	17.19	0.86	0.86	793.40	13.31	7685.09	25	17.19												

Offset Account

July 2023

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						326.20							66.10							136.38
1	0.00	0.00	0.00	0.00	0.35	325.85	1	0.00	0.00	0.00	0.00	0.07	66.03	1	0.00	0.00	0.00	0.00	0.15	136.23
2	0.00	0.00	0.00	0.00	0.36	325.49	2	0.00	0.00	0.00	0.00	0.07	65.96	2	0.00	0.00	0.00	0.00	0.15	136.08
3	0.00	0.00	0.00	0.00	0.24	325.25	3	0.00	0.00	0.00	0.00	0.05	65.91	3	0.00	0.00	0.00	0.00	0.10	135.98
4	0.00	0.00	0.00	0.00	0.24	325.01	4	0.00	0.00	0.00	0.00	0.05	65.86	4	0.00	0.00	0.00	0.00	0.10	135.88
5	0.00	0.00	0.00	0.00	0.04	324.97	5	0.00	0.00	0.00	0.00	0.01	65.85	5	0.00	0.00	0.00	0.00	0.01	135.87
6	0.00	0.00	0.00	0.00	0.06	324.91	6	0.00	0.00	0.00	0.00	0.01	65.84	6	0.00	0.00	0.00	0.00	0.03	135.84
7	0.00	0.00	0.00	0.00	0.60	324.31	7	0.00	0.00	0.00	0.00	0.12	65.72	7	0.00	0.00	0.00	0.00	0.25	135.59
8	0.00	0.00	0.00	0.00	0.59	323.72	8	0.00	0.00	0.00	0.00	0.12	65.60	8	0.00	0.00	0.00	0.00	0.25	135.34
9	0.00	0.00	0.00	0.00	0.59	323.13	9	0.00	0.00	0.00	0.00	0.12	65.48	9	0.00	0.00	0.00	0.00	0.25	135.09
10	0.00	0.00	0.00	0.00	0.74	322.39	10	0.00	0.00	0.00	0.00	0.15	65.33	10	0.00	0.00	0.00	0.00	0.31	134.78
11	0.00	0.00	0.00	0.00	0.39	322.00	11	0.00	0.00	0.00	0.00	0.08	65.25	11	0.00	0.00	0.00	0.00	0.16	134.62
12	0.00	0.00	0.00	0.00	0.58	321.42	12	0.00	0.00	0.00	0.00	0.12	65.13	12	0.00	0.00	0.00	0.00	0.24	134.38
13	0.00	0.00	0.00	0.00	0.19	321.23	13	0.00	0.00	0.00	0.00	0.04	65.09	13	0.00	0.00	0.00	0.00	0.08	134.30
14	0.00	0.00	0.00	0.00	0.40	320.83	14	0.00	0.00	0.00	0.00	0.08	65.01	14	0.00	0.00	0.00	0.00	0.17	134.13
15	0.00	0.00	0.00	0.00	0.40	320.43	15	0.00	0.00	0.00	0.00	0.08	64.93	15	0.00	0.00	0.00	0.00	0.17	133.96
16	0.00	0.00	0.00	0.00	0.40	320.03	16	0.00	0.00	0.00	0.00	0.08	64.85	16	0.00	0.00	0.00	0.00	0.17	133.79
17	0.00	0.00	0.00	0.00	0.50	319.53	17	0.00	0.00	0.00	0.00	0.10	64.75	17	0.00	0.00	0.00	0.00	0.21	133.58
18	0.00	702.40	0.00	0.00	0.43	1021.50	18	0.00	59.62	0.00	0.00	0.09	124.28	18	0.00	0.00	0.00	0.00	0.18	133.40
19	0.00	81.37	0.00	0.00	1.23	1101.64	19	0.00	4.19	0.00	0.00	0.15	128.32	19	0.00	0.00	0.00	0.00	0.16	133.24
20	0.00	0.00	0.00	463.78	2.14	635.72	20	0.00	0.00	0.00	0.00	0.25	128.07	20	0.00	0.00	0.00	0.00	0.26	132.98
21	0.00	0.00	0.00	634.96	0.76	0.00	21	0.00	0.00	0.00	127.92	0.15	0.00	21	0.00	0.00	0.00	0.00	0.16	132.82
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.16	132.66
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.15	132.51
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.26	132.25
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.21	132.04
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.18	131.86
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.21	131.65
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.20	131.45
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.20	131.25
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.20	131.05
31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	0.15	130.90
	0.00	783.77	0.00	1098.74	11.23			0.00	63.81	0.00	127.92	1.99			0.00	0.00	0.00	0.00	5.48	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						260.10							107.44							54.04
1	0.00	0.00	0.00	0.00	0.28	259.82	1	0.00	0.00	0.00	0.00	0.12	107.32	1	0.00	0.00	0.00	0.00	0.06	53.98
2	0.00	0.00	0.00	0.00	0.29	259.53	2	0.00	0.00	0.00	0.00	0.12	107.20	2	0.00	0.00	0.00	0.00	0.06	53.92
3	0.00	0.00	0.00	0.00	0.19	259.34	3	0.00	0.00	0.00	0.00	0.08	107.12	3	0.00	0.00	0.00	0.00	0.04	53.88
4	0.00	0.00	0.00	0.00	0.19	259.15	4	0.00	0.00	0.00	0.00	0.08	107.04	4	0.00	0.00	0.00	0.00	0.04	53.84
5	0.00	0.00	0.00	0.00	0.03	259.12	5	0.00	0.00	0.00	0.00	0.01	107.03	5	0.00	0.00	0.00	0.00	0.01	53.83
6	0.00	0.00	0.00	0.00	0.05	259.07	6	0.00	0.00	0.00	0.00	0.02	107.01	6	0.00	0.00	0.00	0.00	0.01	53.82
7	0.00	0.00	0.00	0.00	0.48	258.59	7	0.00	0.00	0.00	0.00	0.20	106.81	7	0.00	0.00	0.00	0.00	0.10	53.72
8	0.00	0.00	0.00	0.00	0.47	258.12	8	0.00	0.00	0.00	0.00	0.20	106.61	8	0.00	0.00	0.00	0.00	0.10	53.62
9	0.00	0.00	0.00	0.00	0.47	257.65	9	0.00	0.00	0.00	0.00	0.19	106.42	9	0.00	0.00	0.00	0.00	0.10	53.52
10	0.00	0.00	0.00	0.00	0.59	257.06	10	0.00	0.00	0.00	0.00	0.24	106.18	10	0.00	0.00	0.00	0.00	0.12	53.40
11	0.00	0.00	0.00	0.00	0.31	256.75	11	0.00	0.00	0.00	0.00	0.13	106.05	11	0.00	0.00	0.00	0.00	0.07	53.33
12	0.00	0.00	0.00	0.00	0.46	256.29	12	0.00	0.00	0.00	0.00	0.19	105.86	12	0.00	0.00	0.00	0.00	0.10	53.23
13	0.00	0.00	0.00	0.00	0.15	256.14	13	0.00	0.00	0.00	0.00	0.06	105.80	13	0.00	0.00	0.00	0.00	0.03	53.20
14	0.00	0.00	0.00	0.00	0.32	255.82	14	0.00	0.00	0.00	0.00	0.13	105.67	14	10.48	0.00	0.52	0.00	0.07	63.09
15	0.00	0.00	0.00	0.00	0.32	255.50	15	0.00	0.00	0.00	0.00	0.13	105.54	15	10.48	0.00	0.52	0.00	0.08	72.97
16	0.00	0.00	0.00	0.00	0.32	255.18	16	0.00	0.00	0.00	0.00	0.13	105.41	16	10.48	0.00	0.52	0.00	0.09	82.84
17	0.00	0.00	0.00	0.00	0.40	254.78	17	0.00	0.00	0.00	0.00	0.17	105.24	17	10.48	0.00	0.52	0.00	0.13	92.67
18	0.00	642.78	0.00	0.00	0.34	897.22	18	0.00	0.00	0.00	0.00	0.14	105.10	18	10.48	0.00	0.52	0.00	0.13	102.50
19	0.00	77.18	0.00	0.00	1.08	973.32	19	0.00	0.00	0.00	0.00	0.13	104.97	19	10.48	0.00	0.52	0.00	0.12	112.34
20	0.00	0.00	0.00	463.78	1.89	507.65	20	0.00	0.00	0.00	0.00	0.20	104.77	20	10.48	0.00	0.52	0.00	0.22	122.08
21	0.00	0.00	0.00	507.04	0.61	0.00	21	0.00	0.00	0.00	0.00	0.13	104.64	21	0.00	0.00	0.00	0.00	0.15	121.93
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.13	104.51	22	0.00	0.00	0.00	0.00	0.15	121.78
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.12	104.39	23	0.00	0.00	0.00	0.00	0.14	121.64
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.20	104.19	24	0.00	0.00	0.00	0.00	0.24	121.40
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.16	104.03	25	0.00	0.00	0.00	0.00	0.19	121.21
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.14	103.89	26	0.00	0.00	0.00	0.00	0.17	121.04
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.16	103.73	27	0.00	0.00	0.00	0.00	0.19	120.85
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.16	103.57	28	0.00	0.00	0.00	0.00	0.18	120.67
29	0.00	0.00	0.00	0.00	0.00	0.00	29</													

August 2023

Offset Account

August 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6464.02							354.23							0.00
1	23.70	1.19	1.19	247.93	6.80	6232.99	1	0.00	0.00	0.00	0.00	0.38	353.85	1	0.00	0.00	0.00	0.00	0.00	0.00
2	59.12	2.96	2.96	247.93	11.37	6032.81	2	0.00	0.00	0.00	0.00	0.65	353.20	2	0.00	0.00	0.00	0.00	0.00	0.00
3	55.07	2.75	2.75	247.93	7.46	5832.49	3	0.00	0.00	0.00	0.00	0.44	352.76	3	0.00	0.00	0.00	0.00	0.00	0.00
4	52.92	2.65	2.65	247.93	8.43	5629.05	4	0.00	0.00	0.00	0.00	0.51	352.25	4	0.00	0.00	0.00	0.00	0.00	0.00
5	40.52	2.03	2.03	247.93	8.19	5413.45	5	0.00	0.00	0.00	0.00	0.51	351.74	5	0.00	0.00	0.00	0.00	0.00	0.00
6	24.83	1.24	1.24	247.93	7.94	5182.41	6	0.00	0.00	0.00	0.00	0.52	351.22	6	0.00	0.00	0.00	0.00	0.00	0.00
7	27.42	1.37	1.37	247.93	6.23	4955.67	7	0.00	0.00	0.00	0.00	0.42	350.80	7	0.00	0.00	0.00	0.00	0.00	0.00
8	36.38	1.82	1.82	247.93	2.57	4741.55	8	0.00	0.00	0.00	0.00	0.18	350.62	8	0.00	0.00	0.00	0.00	0.00	0.00
9	46.33	2.32	2.32	247.93	3.66	4536.29	9	0.00	0.00	0.00	0.00	0.27	350.35	9	0.00	0.00	0.00	0.00	0.00	0.00
10	40.27	2.01	2.01	247.93	8.53	4320.10	10	0.00	0.00	0.00	0.00	0.65	349.70	10	0.00	0.00	0.00	0.00	0.00	0.00
11	20.32	1.02	2.04	0.00	7.61	4331.79	11	0.00	0.00	0.00	0.00	0.62	349.08	11	0.00	0.00	0.00	0.00	0.00	0.00
12	19.29	0.96	1.92	0.00	7.71	4342.41	12	0.00	0.00	0.00	0.00	0.62	348.46	12	0.00	0.00	0.00	0.00	0.00	0.00
13	18.91	0.95	1.90	0.00	7.79	4352.58	13	0.00	0.00	0.00	0.00	0.62	347.84	13	0.00	0.00	0.00	0.00	0.00	0.00
14	18.72	0.94	1.88	0.00	2.73	4367.63	14	0.00	0.00	0.00	0.00	0.21	347.63	14	0.00	0.00	0.00	0.00	0.00	0.00
15	17.33	0.87	1.74	0.00	3.12	4380.97	15	0.00	0.00	0.00	0.00	0.24	347.39	15	0.00	0.00	0.00	0.00	0.00	0.00
16	29.70	1.49	2.98	0.00	9.60	4399.58	16	0.00	0.00	0.00	0.00	0.76	346.63	16	0.00	0.00	0.00	0.00	0.00	0.00
17	42.74	2.14	4.28	0.00	8.28	4431.90	17	0.00	0.00	0.00	0.00	0.65	345.98	17	0.00	0.00	0.00	0.00	0.00	0.00
18	39.68	1.98	3.96	0.00	11.34	4458.26	18	0.00	0.00	0.00	0.00	0.89	345.09	18	0.00	0.00	0.00	0.00	0.00	0.00
19	44.96	2.25	4.50	0.00	11.80	4489.17	19	0.00	0.00	0.00	0.00	0.92	344.17	19	0.00	0.00	0.00	0.00	0.00	0.00
20	45.31	2.27	4.54	0.00	12.12	4520.09	20	0.00	0.00	0.00	0.00	0.93	343.24	20	0.00	0.00	0.00	0.00	0.00	0.00
21	25.45	1.27	2.54	0.00	13.24	4531.03	21	0.00	0.00	0.00	0.00	1.00	342.24	21	0.00	0.00	0.00	0.00	0.00	0.00
22	15.59	0.78	1.56	0.00	11.66	4534.18	22	0.00	0.00	0.00	0.00	0.89	341.35	22	0.00	0.00	0.00	0.00	0.00	0.00
23	15.39	0.77	1.54	0.00	14.37	4534.43	23	0.00	0.00	0.00	0.00	1.08	340.27	23	0.00	0.00	0.00	0.00	0.00	0.00
24	14.90	0.74	1.48	0.00	13.50	4535.09	24	0.00	0.00	0.00	0.00	1.01	339.26	24	0.00	0.00	0.00	0.00	0.00	0.00
25	24.48	1.22	1.22	0.00	7.44	4552.13	25	0.00	0.00	0.00	0.00	0.56	338.70	25	0.00	0.00	0.00	0.00	0.00	0.00
26	30.46	1.52	1.52	0.00	7.53	4575.06	26	0.00	0.00	0.00	0.00	0.56	338.14	26	0.00	0.00	0.00	0.00	0.00	0.00
27	29.42	1.47	1.47	0.00	7.65	4596.83	27	0.00	0.00	0.00	0.00	0.56	337.58	27	0.00	0.00	0.00	0.00	0.00	0.00
28	57.84	2.89	2.89	0.00	8.27	4646.40	28	0.00	0.00	0.00	0.00	0.61	336.97	28	0.00	0.00	0.00	0.00	0.00	0.00
29	64.38	3.22	3.22	0.00	4.13	4706.65	29	0.00	0.00	0.00	0.00	0.30	336.67	29	0.00	0.00	0.00	0.00	0.00	0.00
30	49.06	2.45	2.45	0.00	9.61	4746.10	30	0.00	0.00	0.00	0.00	0.68	335.99	30	0.00	0.00	0.00	0.00	0.00	0.00
31	38.70	1.94	1.94	0.00	12.72	4772.08	31	0.00	0.00	0.00	0.00	0.90	335.09	31	0.00	0.00	0.00	0.00	0.00	0.00
1069.19	53.48	71.91	2479.30	263.40			0.00	0.00	0.00	0.00	0.00	19.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6464.01							6109.78							0.00
1	23.70	1.19	1.19	247.93	6.80	6232.98	1	23.70	0.00	1.19	246.74	6.42	5879.13	1	0.00	1.19	0.00	1.19	0.00	0.00
2	59.12	2.96	2.96	247.93	11.37	6032.80	2	59.12	0.00	2.96	244.97	10.72	5679.60	2	0.00	2.96	0.00	2.96	0.00	0.00
3	55.07	2.75	2.75	247.93	7.46	5832.48	3	55.07	0.00	2.75	245.18	7.02	5479.72	3	0.00	2.75	0.00	2.75	0.00	0.00
4	52.92	2.65	2.65	247.93	8.43	5629.04	4	52.92	0.00	2.65	245.28	7.92	5276.79	4	0.00	2.65	0.00	2.65	0.00	0.00
5	40.52	2.03	2.03	247.93	8.19	5413.44	5	40.52	0.00	2.03	245.90	7.68	5061.70	5	0.00	2.03	0.00	2.03	0.00	0.00
6	24.83	1.24	1.24	247.93	7.94	5182.40	6	24.83	0.00	1.24	246.69	7.42	4831.18	6	0.00	1.24	0.00	1.24	0.00	0.00
7	27.42	1.37	1.37	247.93	6.23	4955.66	7	27.42	0.00	1.37	246.56	5.81	4604.86	7	0.00	1.37	0.00	1.37	0.00	0.00
8	36.38	1.82	1.82	247.93	2.57	4741.54	8	36.38	0.00	1.82	246.11	2.39	4390.92	8	0.00	1.82	0.00	1.82	0.00	0.00
9	46.33	2.32	2.32	247.93	3.66	4536.28	9	46.33	0.00	2.32	245.61	3.39	4185.93	9	0.00	2.32	0.00	2.32	0.00	0.00
10	40.27	2.01	2.01	247.93	8.53	4320.09	10	40.27	0.00	2.01	245.92	7.88	3970.39	10	0.00	2.01	0.00	2.01	0.00	0.00
11	20.32	1.02	2.04	0.00	7.61	4331.78	11	20.32	0.00	1.02	0.00	6.99	3982.70	11	0.00	1.02	1.02	0.00	0.00	0.00
12	19.29	0.96	1.92	0.00	7.71	4342.40	12	19.29	0.00	0.96	0.00	7.09	3993.94	12	0.00	0.96	0.96	0.00	0.00	0.00
13	18.91	0.95	1.90	0.00	7.79	4352.57	13	18.91	0.00	0.95	0.00	7.17	4004.73	13	0.00	0.95	0.95	0.00	0.00	0.00
14	18.72	0.94	1.88	0.00	2.73	4367.62	14	18.72	0.00	0.94	0.00	2.52	4019.99	14	0.00	0.94	0.94	0.00	0.00	0.00
15	17.33	0.87	1.74	0.00	3.12	4380.96	15	17.33	0.00	0.87	0.00	2.88	4033.57	15	0.00	0.87	0.87	0.00	0.00	0.00
16	29.70	1.49	2.98	0.00	9.60	4399.57	16	29.70	0.00	1.49	0.00	8.84	4052.94	16	0.00	1.49	1.49	0.00	0.00	0.00
17	42.74	2.14	4.28	0.00	8.28	4431.89	17	42.74	0.00	2.14	0.00	7.63	4085.91	17	0.00	2.14	2.14	0.00	0.00	0.00
18	39.68	1.98	3.96	0.00	11.34	4458.25	18	39.68	0.00	1.98	0.00	10.45	4113.16	18	0.00	1.98	1.98	0.00	0.00	0.00
19	44.96	2.25	4.50	0.00	11.80	4489.16	19	44.96	0.00	2.25	0.00	10.88	4144.99	19	0.00	2.25	2.25	0.00	0.00	0.00
20	45.31	2.27	4.54	0.00	12.12	4520.08	20	45.31	0.00	2.27	0.00	11.19	4176.84	20	0.00	2.27	2.27	0.00	0.00	0.00
21	25.45	1.27	2.54	0.00	13.24	4531.02	21	25.45	0.00	1.27	0.00	12.24	4188.78	21	0.00	1.27	1.27	0.00	0.00	0.00
22	15.59	0.78	1.56	0.00	11.66	4534.17	22	15.59	0.00	0.78	0.00	10.77	4192.82	22	0.00	0.78	0.78	0.00	0.00	0.00
23	15.39	0.77	1.54	0.00	14.37	4534.42	23	15.39	0.00	0.77	0.00	13.29	4194.15	23	0.00	0.77	0.77	0.00	0.00	0.00
24	14.90	0.74	1.48	0.00	13.50	4535.08	24	14.90	0.00	0.74	0.00	12.49	4195.82	24	0.00	0.74	0.74	0.00	0.00	0.00
25	24.48	1.22	1.22	0.00	7.44	4552.12	25	24.48	0.00	1.22	0.00	6.88	4212.20	25	0.00	1.22	0.00	0.00	0.00	1.22
26	30.46	1.52	1.52	0.00	7.53	4575.05	26	30.46	0.00	1.52	0.00	6.97	4234.17	26	0.00	1.52	0.00	0.00	0.00	2.74
27	29.42	1.47	1.47	0.00	7.65	4596.82	27	29.42	0.00	1.47	0.00	7.09	4255.03	27	0.00	1.47	0.00	0.00	0.00	4.21
28	57.84	2.89	2.89	0.0																

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							0.00							130.90
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.14	130.76
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.24	130.52
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.16	130.36
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.19	130.17
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.19	129.98
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.19	129.79
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.16	129.63
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.07	129.56
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.10	129.46
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.24	129.22
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.23	128.99
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.23	128.76
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.23	128.53
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.08	128.45
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.09	128.36
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.28	128.08
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.24	127.84
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.33	127.51
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.34	127.17
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.34	126.83
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.37	126.46
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.33	126.13
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.40	125.73
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.37	125.36
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.21	125.15
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.21	124.94
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.21	124.73
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.22	124.51
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.11	124.40
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.25	124.15
31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	0.33	123.82
	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	7.08	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							103.15							120.18
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.11	103.04	1	0.00	0.00	0.00	0.00	0.13	120.05
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.19	102.85	2	0.00	0.00	0.00	0.00	0.22	119.83
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.13	102.72	3	0.00	0.00	0.00	0.00	0.15	119.68
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.15	102.57	4	0.00	0.00	0.00	0.00	0.17	119.51
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.15	102.42	5	0.00	0.00	0.00	0.00	0.17	119.34
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.15	102.27	6	0.00	0.00	0.00	0.00	0.18	119.16
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.12	102.15	7	0.00	0.00	0.00	0.00	0.14	119.02
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.05	102.10	8	0.00	0.00	0.00	0.00	0.06	118.96
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.08	102.02	9	0.00	0.00	0.00	0.00	0.09	118.87
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.19	101.83	10	0.00	0.00	0.00	0.00	0.22	118.65
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.18	101.65	11	0.00	0.00	0.00	0.00	0.21	118.44
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.18	101.47	12	0.00	0.00	0.00	0.00	0.21	118.23
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.18	101.29	13	0.00	0.00	0.00	0.00	0.21	118.02
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.06	101.23	14	0.00	0.00	0.00	0.00	0.07	117.95
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.07	101.16	15	0.00	0.00	0.00	0.00	0.08	117.87
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.22	100.94	16	0.00	0.00	0.00	0.00	0.26	117.61
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.19	100.75	17	0.00	0.00	0.00	0.00	0.22	117.39
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.26	100.49	18	0.00	0.00	0.00	0.00	0.30	117.09
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.27	100.22	19	0.00	0.00	0.00	0.00	0.31	116.78
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.27	99.95	20	0.00	0.00	0.00	0.00	0.32	116.46
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.29	99.66	21	0.00	0.00	0.00	0.00	0.34	116.12
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.26	99.40	22	0.00	0.00	0.00	0.00	0.30	115.82
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.31	99.09	23	0.00	0.00	0.00	0.00	0.37	115.45
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.30	98.79	24	0.00	0.00	0.00	0.00	0.34	115.11
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.16	98.63	25	0.00	0.00	0.00	0.00	0.19	114.92
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.16	98.47	26	0.00	0.00	0.00	0.00	0.19	114.73
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.16	98.31	27	0.00	0.00	0.00	0.00	0.19	114.54
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.18	98.13	28	0.00	0.00	0.00	0.00	0.21	114.33
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.09	98.04	29	0.00	0.00	0.00	0.00	0.10	114.23
30																				

September 2023

Offset Account

September 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4772.08							335.09							0.00
1	46.71	2.34	2.34	0.00	11.77	4807.02	1	0.00	0.00	0.00	0.00	0.83	334.26	1	0.00	0.00	0.00	0.00	0.00	0.00
2	29.64	1.48	1.48	0.00	12.02	4824.64	2	0.00	0.00	0.00	0.00	0.83	333.43	2	0.00	0.00	0.00	0.00	0.00	0.00
3	24.96	1.25	1.25	0.00	12.24	4837.36	3	0.00	0.00	0.00	0.00	0.85	332.58	3	0.00	0.00	0.00	0.00	0.00	0.00
4	38.96	1.95	1.95	0.00	12.45	4863.87	4	0.00	0.00	0.00	0.00	0.86	331.72	4	0.00	0.00	0.00	0.00	0.00	0.00
5	45.97	2.30	2.30	0.00	10.02	4899.82	5	0.00	0.00	0.00	0.00	0.68	331.04	5	0.00	0.00	0.00	0.00	0.00	0.00
6	30.88	1.54	1.54	0.00	10.74	4919.96	6	0.00	0.00	0.00	0.00	0.73	330.31	6	0.00	0.00	0.00	0.00	0.00	0.00
7	31.44	1.57	1.57	0.00	9.82	4941.58	7	0.00	0.00	0.00	0.00	0.65	329.66	7	0.00	0.00	0.00	0.00	0.00	0.00
8	30.17	1.51	1.51	0.00	9.72	4962.03	8	0.00	0.00	0.00	0.00	0.65	329.01	8	0.00	0.00	0.00	0.00	0.00	0.00
9	19.30	167.63	0.96	0.00	9.91	5138.09	9	0.00	0.00	0.00	0.00	0.65	328.36	9	0.00	0.00	0.00	0.00	0.00	0.00
10	15.35	200.77	0.77	0.00	10.49	5342.95	10	0.00	0.00	0.00	0.00	0.68	327.68	10	0.00	0.00	0.00	0.00	0.00	0.00
11	24.33	175.26	1.22	0.00	9.28	5532.04	11	0.00	0.00	0.00	0.00	0.57	327.11	11	0.00	0.00	0.00	0.00	0.00	0.00
12	146.79	1.12	1.12	0.00	4.33	5674.50	12	0.00	0.00	0.00	0.00	0.25	326.86	12	0.00	0.00	0.00	0.00	0.00	0.00
13	12.32	0.62	0.62	0.00	6.87	5679.95	13	0.00	0.00	0.00	0.00	0.40	326.46	13	0.00	0.00	0.00	0.00	0.00	0.00
14	33.06	1.65	1.65	0.00	15.52	5697.49	14	0.00	0.00	0.00	0.00	0.89	325.57	14	0.00	0.00	0.00	0.00	0.00	0.00
15	33.20	1.66	1.66	0.00	4.85	5725.84	15	0.00	0.00	0.00	0.00	0.27	325.30	15	0.00	0.00	0.00	0.00	0.00	0.00
16	33.80	1.69	1.69	0.00	4.87	5754.77	16	0.00	0.00	0.00	0.00	0.27	325.03	16	0.00	0.00	0.00	0.00	0.00	0.00
17	38.81	1.94	1.94	0.00	4.88	5788.70	17	0.00	0.00	0.00	0.00	0.27	324.76	17	0.00	0.00	0.00	0.00	0.00	0.00
18	42.72	2.14	2.14	0.00	16.17	5815.25	18	0.00	0.00	0.00	0.00	0.91	323.85	18	0.00	0.00	0.00	0.00	0.00	0.00
19	47.67	2.38	2.38	0.00	11.80	5851.12	19	0.00	0.00	0.00	0.00	0.65	323.20	19	0.00	0.00	0.00	0.00	0.00	0.00
20	51.70	2.59	2.59	0.00	15.65	5887.17	20	0.00	0.00	0.00	0.00	0.86	322.34	20	0.00	0.00	0.00	0.00	0.00	0.00
21	60.87	3.04	3.04	0.00	11.45	5936.59	21	0.00	0.00	0.00	0.00	0.62	321.72	21	0.00	0.00	0.00	0.00	0.00	0.00
22	43.03	2.15	2.15	0.00	11.25	5968.37	22	0.00	0.00	0.00	0.00	0.62	321.10	22	0.00	0.00	0.00	0.00	0.00	0.00
23	16.77	0.84	0.84	0.00	11.34	5973.80	23	0.00	0.00	0.00	0.00	0.62	320.48	23	0.00	0.00	0.00	0.00	0.00	0.00
24	16.86	0.84	0.84	0.00	11.38	5979.28	24	0.00	0.00	0.00	0.00	0.62	319.86	24	0.00	0.00	0.00	0.00	0.00	0.00
25	17.86	0.89	0.89	0.00	19.07	5978.07	25	0.00	0.00	0.00	0.00	1.03	318.83	25	0.00	0.00	0.00	0.00	0.00	0.00
26	7.46	0.37	0.37	0.00	9.58	5975.95	26	0.00	0.00	0.00	0.00	0.51	318.32	26	0.00	0.00	0.00	0.00	0.00	0.00
27	6.58	0.33	0.33	0.00	7.69	5974.84	27	0.00	0.00	0.00	0.00	0.41	317.91	27	0.00	0.00	0.00	0.00	0.00	0.00
28	5.24	0.26	0.26	0.00	13.91	5966.17	28	0.00	0.00	0.00	0.00	0.74	317.17	28	0.00	0.00	0.00	0.00	0.00	0.00
29	3.23	0.16	0.16	0.00	16.68	5952.71	29	0.00	0.00	0.00	0.00	0.89	316.28	29	0.00	0.00	0.00	0.00	0.00	0.00
30	30.34	1.52	1.52	0.00	17.25	5965.80	30	25.77	0.00	1.29	0.00	0.89	339.87	30	0.00	0.00	0.00	0.00	0.00	0.00
	986.02	583.79	43.08	0.00	333.00			25.77	0.00	1.29	0.00	19.70			0.00	0.00	0.00	0.00	0.00	
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4772.07							4422.34							14.64
1	46.71	2.34	2.34	0.00	11.77	4807.01	1	46.71	0.00	2.34	0.00	10.90	4455.81	1	0.00	2.34	0.00	0.00	0.04	16.94
2	29.64	1.48	1.48	0.00	12.02	4824.63	2	29.64	0.00	1.48	0.00	11.15	4472.82	2	0.00	1.48	0.00	0.00	0.04	18.38
3	24.96	1.25	1.25	0.00	12.24	4837.35	3	24.96	0.00	1.25	0.00	11.34	4485.19	3	0.00	1.25	0.00	0.00	0.05	19.58
4	38.96	1.95	1.95	0.00	12.45	4863.86	4	38.96	0.00	1.95	0.00	11.54	4510.66	4	0.00	1.95	0.00	0.00	0.05	21.48
5	45.97	2.30	2.30	0.00	10.02	4899.81	5	45.97	0.00	2.30	0.00	9.30	4545.03	5	0.00	2.30	0.00	0.00	0.04	23.74
6	30.88	1.54	1.54	0.00	10.74	4919.95	6	30.88	0.00	1.54	0.00	9.96	4564.41	6	0.00	1.54	0.00	0.00	0.05	25.23
7	31.44	1.57	1.57	0.00	9.82	4941.57	7	31.44	0.00	1.57	0.00	9.12	4585.16	7	0.00	1.57	0.00	0.00	0.05	26.75
8	30.17	1.51	1.51	0.00	9.72	4962.02	8	30.17	0.00	1.51	0.00	9.02	4604.80	8	0.00	1.51	0.00	0.00	0.05	28.21
9	19.30	167.63	0.96	0.00	9.91	5138.08	9	19.30	0.00	0.96	0.00	9.20	4613.94	9	0.00	167.63	0.00	0.00	0.06	195.78
10	15.35	200.77	0.77	0.00	10.49	5342.94	10	15.35	0.00	0.77	0.00	9.41	4619.11	10	0.00	200.77	0.00	0.00	0.40	396.15
11	24.33	175.26	1.22	0.00	9.28	5532.03	11	24.33	0.00	1.22	0.00	8.02	4634.20	11	0.00	175.26	0.00	0.00	0.69	570.72
12	146.79	1.12	1.12	0.00	4.33	5674.49	12	22.49	0.00	1.12	0.00	3.63	4651.94	12	124.30	1.12	0.00	0.00	0.45	695.69
13	12.32	0.62	0.62	0.00	6.87	5679.94	13	12.32	0.00	0.62	0.00	5.63	4658.01	13	0.00	0.62	0.00	0.00	0.84	695.47
14	33.06	1.65	1.65	0.00	15.52	5697.48	14	33.06	0.00	1.65	0.00	12.73	4676.69	14	0.00	1.65	0.00	0.00	1.90	695.22
15	33.20	1.66	1.66	0.00	4.85	5725.83	15	33.20	0.00	1.66	0.00	3.99	4704.24	15	0.00	1.66	0.00	0.00	0.59	696.29
16	33.80	1.69	1.69	0.00	4.87	5754.76	16	33.80	0.00	1.69	0.00	4.01	4732.34	16	0.00	1.69	0.00	0.00	0.59	697.39
17	38.81	1.94	1.94	0.00	4.88	5788.69	17	38.81	0.00	1.94	0.00	4.02	4765.19	17	0.00	1.94	0.00	0.00	0.59	698.74
18	42.72	2.14	2.14	0.00	16.17	5815.24	18	42.72	0.00	2.14	0.00	13.31	4792.46	18	0.00	2.14	0.00	0.00	1.95	698.93
19	47.67	2.38	2.38	0.00	11.80	5851.11	19	47.67	0.00	2.38	0.00	9.73	4828.02	19	0.00	2.38	0.00	0.00	1.42	699.89
20	51.70	2.59	2.59	0.00	15.65	5887.16	20	51.70	0.00	2.59	0.00	12.92	4864.21	20	0.00	2.59	0.00	0.00	1.87	700.61
21	60.87	3.04	3.04	0.00	11.45	5936.58	21	60.87	0.00	3.04	0.00	9.47	4912.57	21	0.00	3.04	0.00	0.00	1.36	702.29
22	43.03	2.15	2.15	0.00	11.25	5968.36	22	43.03	0.00	2.15	0.00	9.30	4944.15	22	0.00	2.15	0.00	0.00	1.33	703.11
23	16.77	0.84	0.84	0.00	11.34	5973.79	23	16.77	0.00	0.84	0.00	9.39	4950.69	23	0.00	0.84	0.00	0.00	1.33	702.62
24	16.86	0.84	0.84	0.00	11.38	5979.27	24	16.86	0.00	0.84	0.00	9.42	4957.29	24	0.00	0.84	0.00	0.00	1.34	702.12
25	17.86	0.89	0.89	0.00	19.07	5978.06	25	17.86	0.00	0.89	0.00	15.80	4958.46	25	0.00	0.89	0.00	0.00	2.24	700.77
26	7.46	0.37	0.37	0.00	9.58	5975.94	26	7.46	0.00	0.37	0.00	7.95	4957.60	26	0.00	0.37	0.00	0.00	1.12	700.02
27	6.58	0.33	0.33	0.00	7.69	5974.83	27	6.58	0.00	0.33	0.00	6.38	4957.47	27	0.00	0.33	0.00	0.00	0.90	699.45
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October 2023

Offset Account

October 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5965.81							339.87							0.00
1	54.54	2.72	2.72	0.00	16.37	6003.98	1	38.07	0.00	1.90	0.00	0.93	375.11	1	0.00	0.00	0.00	0.00	0.00	0.00
2	50.25	2.51	2.51	0.00	17.24	6036.99	2	38.07	0.00	1.90	0.00	1.08	410.20	2	0.00	0.00	0.00	0.00	0.00	0.00
3	49.95	2.49	2.49	0.00	9.87	6077.07	3	38.07	0.00	1.90	0.00	0.67	445.70	3	0.00	0.00	0.00	0.00	0.00	0.00
4	49.44	2.47	2.47	0.00	8.33	6118.18	4	38.07	0.00	1.90	0.00	0.62	481.25	4	0.00	0.00	0.00	0.00	0.00	0.00
5	33.10	1.65	1.65	0.00	3.19	6148.09	5	18.02	0.00	0.90	0.00	0.26	498.11	5	0.00	0.00	0.00	0.00	0.00	0.00
6	25.09	1.25	1.25	0.00	8.04	6165.14	6	0.00	0.00	0.00	0.00	0.65	497.46	6	0.00	0.00	0.00	0.00	0.00	0.00
7	48.83	2.44	2.44	0.00	8.07	6205.89	7	19.03	0.00	0.95	0.00	0.65	514.89	7	0.00	0.00	0.00	0.00	0.00	0.00
8	82.48	4.12	4.12	0.00	8.13	6280.25	8	45.68	0.00	2.28	0.00	0.68	557.61	8	0.00	0.00	0.00	0.00	0.00	0.00
9	73.42	3.67	3.67	0.00	8.66	6345.01	9	45.68	0.00	2.28	0.00	0.76	600.25	9	0.00	0.00	0.00	0.00	0.00	0.00
10	57.22	2.86	2.86	0.00	9.98	6392.25	10	45.68	0.00	2.28	0.00	0.94	642.71	10	0.00	0.00	0.00	0.00	0.00	0.00
11	64.97	3.24	3.24	0.00	12.95	6444.27	11	45.68	0.00	2.28	0.00	1.30	684.81	11	0.00	0.00	0.00	0.00	0.00	0.00
12	65.14	3.25	3.25	0.00	19.84	6489.57	12	45.68	0.00	2.28	0.00	2.11	726.10	12	0.00	0.00	0.00	0.00	0.00	0.00
13	56.53	2.82	2.82	0.00	8.95	6537.15	13	45.68	0.00	2.28	0.00	0.99	768.51	13	0.00	0.00	0.00	0.00	0.00	0.00
14	20.67	1.03	1.03	0.00	9.00	6548.82	14	11.42	0.00	0.57	0.00	1.05	778.31	14	0.00	0.00	0.00	0.00	0.00	0.00
15	8.75	0.44	0.44	0.00	9.05	6548.52	15	0.00	0.00	0.00	0.00	1.07	777.24	15	0.00	0.00	0.00	0.00	0.00	0.00
16	8.75	0.44	0.44	0.00	3.42	6553.85	16	0.00	0.00	0.00	0.00	0.41	776.83	16	0.00	0.00	0.00	0.00	0.00	0.00
17	8.75	0.44	0.44	0.00	14.67	6547.93	17	0.00	0.00	0.00	0.00	1.74	775.09	17	0.00	0.00	0.00	0.00	0.00	0.00
18	12.49	0.62	0.62	0.00	9.54	6550.88	18	0.00	0.00	0.00	0.00	1.13	773.96	18	0.00	0.00	0.00	0.00	0.00	0.00
19	11.63	0.58	0.58	0.00	12.60	6549.91	19	0.00	0.00	0.00	0.00	1.49	772.47	19	0.00	0.00	0.00	0.00	0.00	0.00
20	4.70	0.24	0.24	0.00	11.75	6542.86	20	0.00	0.00	0.00	0.00	1.39	771.08	20	0.00	0.00	0.00	0.00	0.00	0.00
21	3.74	0.19	0.19	0.00	11.76	6534.84	21	0.00	0.00	0.00	0.00	1.39	769.69	21	0.00	0.00	0.00	0.00	0.00	0.00
22	7.38	0.37	0.37	0.00	11.77	6530.45	22	0.00	0.00	0.00	0.00	1.39	768.30	22	0.00	0.00	0.00	0.00	0.00	0.00
23	12.96	0.65	0.65	0.00	15.68	6527.73	23	0.00	0.00	0.00	0.00	1.84	766.46	23	0.00	0.00	0.00	0.00	0.00	0.00
24	12.95	0.00	0.65	0.00	8.73	6531.30	24	0.00	0.00	0.00	0.00	1.03	765.43	24	0.00	0.00	0.00	0.00	0.00	0.00
25	16.89	0.84	0.84	0.00	4.38	6543.81	25	0.00	0.00	0.00	0.00	0.51	764.92	25	0.00	0.00	0.00	0.00	0.00	0.00
26	15.67	0.78	0.78	0.00	4.82	6554.66	26	0.00	0.00	0.00	0.00	0.56	764.36	26	0.00	0.00	0.00	0.00	0.00	0.00
27	12.58	0.63	0.63	0.00	8.31	6558.93	27	0.00	0.00	0.00	0.00	0.97	763.39	27	0.00	0.00	0.00	0.00	0.00	0.00
28	10.54	0.53	0.53	0.00	8.31	6561.16	28	0.00	0.00	0.00	0.00	0.97	762.42	28	0.00	0.00	0.00	0.00	0.00	0.00
29	4.15	0.21	0.21	0.00	8.33	6556.97	29	0.00	0.00	0.00	0.00	0.97	761.45	29	0.00	0.00	0.00	0.00	0.00	0.00
30	3.30	0.32	0.32	0.00	7.90	6552.38	30	0.00	0.00	0.00	0.00	0.92	760.53	30	0.00	0.00	0.00	0.00	0.00	0.00
31	9.90	0.50	0.50	0.00	3.97	6558.31	31	0.00	0.00	0.00	0.00	0.45	760.08	31	0.00	0.00	0.00	0.00	0.00	0.00
	896.76	44.30	44.95	0.00	303.61			474.83	0.00	23.70	0.00	30.92			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5965.80							4930.07							695.86
1	54.54	2.72	2.72	0.00	16.37	6003.97	1	16.47	0.00	0.82	0.00	13.53	4932.19	1	0.00	2.72	0.00	0.00	1.91	696.67
2	50.25	2.51	2.51	0.00	17.24	6036.98	2	12.18	0.00	0.61	0.00	14.16	4929.60	2	0.00	2.51	0.00	0.00	2.00	697.18
3	49.95	2.49	2.49	0.00	9.87	6077.06	3	11.88	0.00	0.59	0.00	8.06	4932.83	3	0.00	2.49	0.00	0.00	1.14	698.53
4	49.44	2.47	2.47	0.00	8.33	6118.17	4	11.37	0.00	0.57	0.00	6.75	4936.89	4	0.00	2.47	0.00	0.00	0.96	700.04
5	33.10	1.65	1.65	0.00	3.19	6148.08	5	15.08	0.00	0.75	0.00	2.56	4948.66	5	0.00	1.65	0.00	0.00	0.37	701.32
6	25.09	1.25	1.25	0.00	8.04	6165.13	6	25.09	0.00	1.25	0.00	6.48	4966.02	6	0.00	1.25	0.00	0.00	0.91	701.66
7	48.83	2.44	2.44	0.00	8.07	6205.89	7	29.80	0.00	1.49	0.00	6.50	4987.82	7	0.00	2.44	0.00	0.00	0.92	703.18
8	82.48	4.12	4.12	0.00	8.13	6280.24	8	36.80	0.00	1.84	0.00	6.53	5016.25	8	0.00	4.12	0.00	0.00	0.92	706.38
9	73.42	3.67	3.67	0.00	8.66	6345.00	9	27.74	0.00	1.39	0.00	6.93	5035.67	9	0.00	3.67	0.00	0.00	0.97	709.08
10	57.22	2.86	2.86	0.00	9.98	6392.24	10	11.54	0.00	0.58	0.00	7.93	5038.70	10	0.00	2.86	0.00	0.00	1.11	710.83
11	64.97	3.24	3.24	0.00	12.95	6444.26	11	19.29	0.00	0.96	0.00	10.21	5046.82	11	0.00	3.24	0.00	0.00	1.44	712.63
12	65.14	3.25	3.25	0.00	19.84	6489.56	12	19.46	0.00	0.97	0.00	15.54	5049.77	12	0.00	3.25	0.00	0.00	2.19	713.69
13	56.53	2.82	2.82	0.00	8.95	6537.14	13	10.85	0.00	0.54	0.00	6.98	5053.10	13	0.00	2.82	0.00	0.00	0.98	715.53
14	20.67	1.03	1.03	0.00	9.00	6548.81	14	9.25	0.00	0.46	0.00	6.96	5054.93	14	0.00	1.03	0.00	0.00	0.99	715.57
15	8.75	0.44	0.44	0.00	9.05	6548.51	15	8.75	0.00	0.44	0.00	6.99	5056.25	15	0.00	0.44	0.00	0.00	0.99	715.02
16	8.75	0.44	0.44	0.00	3.42	6553.84	16	8.75	0.00	0.44	0.00	2.63	5061.93	16	0.00	0.44	0.00	0.00	0.38	715.08
17	8.75	0.44	0.44	0.00	14.67	6547.92	17	8.75	0.00	0.44	0.00	11.33	5058.91	17	0.00	0.44	0.00	0.00	1.60	713.92
18	12.49	0.62	0.62	0.00	9.54	6550.87	18	12.49	0.00	0.62	0.00	7.37	5063.41	18	0.00	0.62	0.00	0.00	1.04	713.50
19	11.63	0.58	0.58	0.00	12.60	6549.90	19	11.63	0.00	0.58	0.00	9.74	5064.72	19	0.00	0.58	0.00	0.00	1.37	712.71
20	4.70	0.24	0.24	0.00	11.75	6542.85	20	4.70	0.00	0.24	0.00	9.08	5060.10	20	0.00	0.24	0.00	0.00	1.28	711.67
21	3.74	0.19	0.19	0.00	11.76	6534.83	21	3.74	0.00	0.19	0.00	9.09	5054.56	21	0.00	0.19	0.00	0.00	1.28	710.58
22	7.38	0.37	0.37	0.00	11.77	6530.44	22	7.38	0.00	0.37	0.00	9.10	5052.47	22	0.00	0.37	0.00	0.00	1.28	709.67
23	12.96	0.65	0.65	0.00	15.68	6527.72	23	12.96	0.00	0.65	0.00	12.14	5052.64	23	0.00	0.65	0.00	0.00	1.70	708.62
24	12.95	0.00	0.65	0.00	8.73	6531.29	24	12.95	0.00	0.65	0.00	6.75	5058.19	24	0.00	0.00	0.00	0.00	0.95	707.67
25	16.89	0.84	0.84	0.00	4.38	6543.80	25	16.89	0.00	0.84	0.00	3.40	5070.84	25	0.00	0.84	0.00	0.00	0.47	708.04
26	15.67	0.78	0.78	0.00	4.82	6554.65	26	15.67	0.00	0.78	0.00	3.74	5081.99	26	0.00	0.78	0.00	0.00	0.52	70

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							0.00							141.01
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	1	38.07	0.00	1.90	0.00	0.39	176.79
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00	2	38.07	0.00	1.90	0.00	0.51	212.45
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00	3	38.07	0.00	1.90	0.00	0.35	248.27
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00	4	38.07	0.00	1.90	0.00	0.34	284.10
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00	5	18.02	0.00	0.90	0.00	0.15	301.07
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.39	300.68
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00	7	19.03	0.00	0.95	0.00	0.39	318.37
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00	8	45.68	0.00	2.28	0.00	0.42	361.35
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00	9	45.68	0.00	2.28	0.00	0.50	404.25
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00	10	45.68	0.00	2.28	0.00	0.63	447.02
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00	11	45.68	0.00	2.28	0.00	0.91	489.51
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00	12	45.68	0.00	2.28	0.00	1.51	531.40
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00	13	45.68	0.00	2.28	0.00	0.73	574.07
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00	14	11.42	0.00	0.57	0.00	0.79	584.13
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.81	583.32
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.31	583.01
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	1.31	581.70
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.85	580.85
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	1.12	579.73
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	1.04	578.69
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	1.04	577.65
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	1.04	576.61
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	1.38	575.23
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.77	574.46
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.38	574.08
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.42	573.66
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.73	572.93
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.73	572.20
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.73	571.47
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.69	570.78
31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	0.34	570.44
	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00			474.83	0.00	23.70	0.00	21.70	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							91.83							107.03
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.25	91.58	1	0.00	0.00	0.00	0.00	0.29	106.74
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.26	91.32	2	0.00	0.00	0.00	0.00	0.31	106.43
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.15	91.17	3	0.00	0.00	0.00	0.00	0.17	106.26
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.13	91.04	4	0.00	0.00	0.00	0.00	0.15	106.11
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.05	90.99	5	0.00	0.00	0.00	0.00	0.06	106.05
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.12	90.87	6	0.00	0.00	0.00	0.00	0.14	105.91
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.12	90.75	7	0.00	0.00	0.00	0.00	0.14	105.77
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.12	90.63	8	0.00	0.00	0.00	0.00	0.14	105.63
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.12	90.51	9	0.00	0.00	0.00	0.00	0.14	105.49
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.14	90.37	10	0.00	0.00	0.00	0.00	0.17	105.32
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.18	90.19	11	0.00	0.00	0.00	0.00	0.21	105.11
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.28	89.91	12	0.00	0.00	0.00	0.00	0.32	104.79
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.12	89.79	13	0.00	0.00	0.00	0.00	0.14	104.65
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.12	89.67	14	0.00	0.00	0.00	0.00	0.14	104.51
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.12	89.55	15	0.00	0.00	0.00	0.00	0.14	104.37
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.05	89.50	16	0.00	0.00	0.00	0.00	0.05	104.32
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.20	89.30	17	0.00	0.00	0.00	0.00	0.23	104.09
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.13	89.17	18	0.00	0.00	0.00	0.00	0.15	103.94
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.17	89.00	19	0.00	0.00	0.00	0.00	0.20	103.74
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.16	88.84	20	0.00	0.00	0.00	0.00	0.19	103.55
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.16	88.68	21	0.00	0.00	0.00	0.00	0.19	103.36
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.16	88.52	22	0.00	0.00	0.00	0.00	0.19	103.17
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.21	88.31	23	0.00	0.00	0.00	0.00	0.25	102.92
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.12	88.19	24	0.00	0.00	0.00	0.00	0.14	102.78
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.06	88.13	25	0.00	0.00	0.00	0.00	0.07	102.71
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.06	88.07	26	0.00	0.00	0.00	0.00	0.08	102.63
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.11	87.96	27	0.00	0.00	0.00	0.00	0.13	102.50
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.11	87.85	28	0.00	0.00	0.00	0.00	0.13	102.37
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.11	87.74	29	0.00	0.00	0.00	0.00	0.13	102.24
30	0																			

Section 3



Kevin Salter
Kansas Department of Agriculture (By EMail)

January 31, 2023

Subject: Transfer Out of the Upstream Consumable Account

Dear Kevin,

The purpose of this letter is to provide notice of transfer out of the Offset Account to Conservation Storage in John Martin Reservoir. Pursuant to Paragraph 6 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”). This transfer was requested by Arkansas Groundwater and Reservoir Association (AGRA) to replace depletions to the inflows to conservation storage caused by post-Compact well pumping and operations. The specific purpose of this transfer is to provide winter return flow replacement for the operation of the Catlin Augmentation Association (CAA) Catlin Canal shares used in CWPDA’s Rule 14 Plan. This return flow maintenance is as prescribed in Case No. 12CW94.

The amount of water to be transferred for this purpose will be 48.17 acre-feet and the transfer will be recorded in the JMAS accounting for January 31, 2023. This transfer was for November depletions.

If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold
Assistant Division Engineer

Ec: Kent Ricken, AGRA
Dan Tucker, AGRA
Noah Friesen
Brian Lenherr
Rachel Zancanella
Lonnie Spady





COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

February 2, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) will deliver water from the Colorado Downstream Consumable Account to the Kansas Consumable Subaccount per the provisions of Paragraph 5 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). The transfer will occur on Saturday, March 4, 2023.

The purpose of this transfer is to replace depletions in October and November 2022 at the state line caused by well pumping pursuant to Paragraph 5 of the Resolution. A total of 1,016.64 acre-feet will be transferred to the Kansas Consumable Subaccount.

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account at the conclusion of the operation.

If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold

Bethany Arnold, P.E.
Assistant Division Engineer

Ec: Roy Cue, LAWMA
Randy Hendrix, LAWMA
Ayrton Hendrix, LAWMA
Noah Friesen
Brian Lenherr
Rachel Zancanella
Lonnie Spady





March 23, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

The purpose of this letter is to provide you with initial information of a delivery of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated an action to deliver 430.34 acre-feet of fully consumable water to the Kansas Charge subaccount of the Offset Account for the purpose of partially satisfying the Storage Charge prerequisite for using the Offset Account as provided for in paragraph 9 of the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998 ("Resolution"). LAWMA will transfer consumable water from LAWMA's X-Y, Keesee, Sisson-Stubbs, and Manvel Article II accounts to partially fulfill the storage charge for 2023. The transfer out of the Manvel Article II account is pursuant to the March 20, 2023 substitute water supply plan approval.

Using the procedures described in the "AGREEMENT CONCERNING THE OFFSET ACCOUNT IN JOHN MARTIN RESERVOIR FOR COLORADO PUMPING, DETERMINATION OF CREDITS FOR DELIVERY OF WATER RELEASED FOR COLORADO PUMPING, AND RELATED MATTERS", Paragraph 6 and Attachment A, 865.78 acre-feet of water will be transferred from LAWMA's LAWMA's X-Y, Keesee, Sisson-Stubbs, and Manvel Article II accounts. The following distribution of the 865.78 acre-feet will be made in the Offset Account.

On March 24, 2023:

Kansas Charge Water Subaccount	430.34 acre-feet
Return Flow Subaccount	178.26 acre-feet
Return Flow Transit Loss Subaccount	17.84 acre-feet

Additionally on March 24, 2023, the following amounts representing the in-state return flow portion will be transferred to the Article II accounts of the various ditches:

Lamar Winter Stored Subaccount	5.24 acre-feet
Amity Winter Stored Subaccount	9.28 acre-feet
Fort Bent Winter Stored Subaccount	1.89 acre-feet
Buffalo Winter Stored Subaccount	222.91 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account. If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold, P.E.
Assistant Division Engineer





COLORADO
Division of Water Resources
Department of Natural Resources
Water Division 2 - Colorado Springs

March 25, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

The purpose of this letter is to provide you with initial information of a transfer of water within the Offset Account in John Martin Reservoir. As part of the 2021 H-I Model update, the 10-year balance was negative and the Lower Arkansas Water Management Association (LAWMA) paid the deficit to Kansas. Colorado Division of Water Resources determined that the Arkansas Groundwater and Reservoir Association (AGRA) was responsible for approximately 60 acre-feet of the deficit from the 2021 H-I Model update. Catlin Augmentation Association (CAA) and AGRA have initiated an action to transfer 58.56 acre-feet of fully consumable water from the CAA Upstream Consumable subaccount to the AGRA Upstream Consumable subaccount on March 25, 2023. On March 26, 2023 the entire balance of the AGRA Upstream Consumable subaccount, approximately 61.29 acre-feet, will be transferred to LAWMA's Upstream Consumable account to pay the balance owed to them. Later this week another transfer from LAWMA's Upstream Consumable subaccount to the Kansas Charge account will occur prior to April 1st. We will provide another notice related to that operation later this week when we have more information available.

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account. If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold, P.E.
Assistant Division Engineer





March 25, 2023

Earl D. Lewis, Jr. Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502

Subject: Notice of Transfer Out of the Offset Account in John Martin Reservoir – Catlin Augmentation Association

Dear Mr. Lewis,

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”) for each delivery or transfer conducted during 2023 in detail following the initial notice for each transaction originally sent to Kansas.

January 31, 2023 transfer:

Catlin Augmentation Association (CAA) transferred 48.17 acre-feet of consumable water to the Conservation Storage holding account.

In order to accomplish the foregoing, a total of 48.17 acre-feet of water was transferred from the CAA Colorado Upstream Consumable Subaccount into the Winter Compact Storage account. A daily accounting sheet for John Martin Reservoir for January 31, 2023 is included in Enclosure 1 to cover CAA’s depletions to Conservation Storage.

This transfer was done pursuant to the provisions of Paragraph 6 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** which includes provisions for designating water for making replacements to Conservation Storage.



Summary

This letter summarizes the transfer out of the Offset Account for CAA on January 31, 2023. The total amount of water transferred out of the Offset Account on the above date was 48.17 acre-feet. Total consumable water transferred out was 48.17 acre-feet.

Please contact me if you have any questions or require additional information.

Sincerely,



Rachel A. Zancanella, P.E.
Division Engineer
Water Division 2
Colorado Division of Water Resources

1 Enclosure

cc:	Kevin Salter	Rachel Duran	Dale Book	Kent Ricken
	Ivan Walter	Daniel Tucker	Dan Steuer	Bethany Arnold
	Brian Lenherr	Lonnie Spady	Lori Marchando	

Enclosure 1

Daily Accounting for John Martin Reservoir on January 31, 2023



March 25, 2023

Earl D. Lewis, Jr. Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502

Subject: Notice of Transfer to the Offset Account in John Martin Reservoir – Kansas Consumable

Dear Mr. Lewis,

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”) for each delivery or transfer conducted during 2023 in detail following the initial notice for each transaction originally sent to Kansas.

March 4, 2023 transfer:

Lower Arkansas Water Management Association (LAWMA) transferred 1,016.64 acre-feet of consumable water within the Offset Account on March 4, 2023.

In order to accomplish the foregoing, a total of 1,016.64 acre-feet of water was transferred from the Colorado Downstream Consumable Subaccount into the Kansas Consumable Subaccount. A daily accounting sheet for John Martin Reservoir for March 4th is included in Enclosure 1.

This transfer was done pursuant to the provisions of Paragraph 5 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** which includes provisions for how evaporation is to be charged to water in the various subaccounts of the Offset Account.

Water transferred to the Kansas Consumable subaccount may also become subject to the provisions of Paragraph 4 of the Agreement Concerning the Offset Account in John Martin Reservoir for Colorado Pumping, Determination of Credits for Delivery of Water Released for Colorado Pumping, and Related Matters.



Summary

This letter summarizes transfers within the Offset Account for LAWMA to date in 2023. The total amount of water delivered to the Offset Account on the above date was 1,016.64 acre-feet. Total consumable water delivered was 1,016.64 acre-feet.

Please contact me if you have any questions or require additional information.

Sincerely,



Rachel A. Zancanella, P.E.
Division Engineer
Water Division 2
Colorado Division of Water Resources

1 Enclosure

cc:	Kevin Salter	Rachel Duran	Dale Book	Roy Cue
	Randy Hendrix	Ayrton Hendrix	Dan Steuer	Bethany Arnold
	Brian Lenherr	Lonnie Spady		

Enclosure 1

Daily Accounting for John Martin Reservoir on March 4, 2023

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Multi-PurposeAcco								
Consumable								
Kansas Charge	3/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project	3/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project - CS	3/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	3/4/2023	86.23	0.00	0.00	0.00	0.00	0.09	86.14
CAA	3/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow								
Catlin LAVWCD Pilot Project	3/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project - CS	3/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	3/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	3/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multi-PurposeAcco	Totals:	86.23	0.00	0.00	0.00	0.00	0.09	86.14

Reservoir	Totals:	35,156.01	184.35	1,041.72	1,041.72	0.00	36.35	35,304.01
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Colorado Article II Summary								
Keesee	3/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ft Bent	3/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amity	3/4/2023	43.47	0.00	0.00	0.00	0.00	0.04	43.43
Lamar	3/4/2023	24.58	0.00	0.00	0.00	0.00	0.03	24.55
Hyde	3/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
X-Y	3/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Buffalo	3/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sisson	3/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stubbs	3/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manvel	3/4/2023	574.21	0.00	0.00	0.00	0.00	0.59	573.62
Colorado Article II	Totals:	642.26	0.00	0.00	0.00	0.00	0.66	641.60



COLORADO
Division of Water Resources
Department of Natural Resources
Water Division 2 - Main Office

March 25, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

The purpose of this letter is to provide you with initial information of a delivery of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) will deliver fully consumable water associated with the Highland Canal water right to the Offset Account per the provisions of Paragraph 14 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”) during times when John Martin Reservoir is in Conservation Storage and at all other times when the Highland Canal water right is not needed for in-state replacement or being delivered to the Permanent Pool in John Martin Reservoir per the agreement between the Colorado State Engineer and Kansas Chief Engineer signed on February 21, 2019. Delivery will likely begin April 1, 2023.

Colorado Downstream Consumable Water Subaccount	Approximately 2,466 acre-feet
Return Flow Subaccount	N/A
Return Flow Transit Loss Subaccount	N/A

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account at the conclusion of the 2023 irrigation season. The accounting spreadsheet for the operation of the Highland Canal water right for 2023 will be provided electronically.

If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold

Bethany Arnold, P.E.
Assistant Division Engineer





March 25, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

The purpose of this letter is to provide you with initial information of a delivery of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) will deliver fully consumable water associated with the Fort Lyon Canal water right to the Offset Account per the provisions of Paragraph 14 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”) during times when John Martin Reservoir is in Conservation Storage and at other times when the Fort Lyon Canal water right is not needed for in-state replacement. The delivery will only occur from those augmentation stations above John Martin Dam as described in the engineering analysis and approved per the 2023 SWSP application, approved on March 21, 2023. Appropriate terms and conditions were included for use of the water rights in the SWSP and will be also included in the 2023-24 Rule 14 Plan approval. The delivery is ongoing after the diversions started on March 15, 2023.

Colorado Upstream Consumable Water Subaccount	Approximately 0 acre-feet
Colorado Downstream Consumable Water Subaccount	Approximately 1,358 acre-feet
Return Flow Subaccount	N/A
Return Flow Transit Loss Subaccount	N/A

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account at the conclusion of the 2023 irrigation season. The accounting spreadsheet for the operation of the Fort Lyon Canal water right for 2023 will be provided electronically.

If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold, P.E.
Assistant Division Engineer





COLORADO
Division of Water Resources
Department of Natural Resources

March 25, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

The purpose of this letter is to provide you with initial information of a delivery of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) will deliver fully consumable water associated with the Keesee Ditch water right to the Offset Account per the provisions of Paragraph 14 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”). The delivery throughout 2023 is expected to total approximately 1,344 acre-feet to be used for well augmentation pursuant to the conditions in LAWMA’s decrees in Water Court Case 02CW181 and 05CW052. Delivery will begin once all conservation storage has been distributed into accounts.

Colorado Downstream Consumable Water Subaccount	Approximately 1,411 acre-feet
Return Flow Subaccount	N/A
Return Flow Transit Loss Subaccount	N/A

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account at the conclusion of the 2023 irrigation season. The accounting spreadsheet for the operation of the Keesee Ditch water right for 2023 will be provided electronically.

If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold

Bethany Arnold, P.E.
Assistant Division Engineer

Water Division 2 · Pueblo

310 E. Abriendo Ave., Suite B · Pueblo, CO 81004 · Phone: 719-542-3368 · Fax: 719-544-0800
www.water.state.co.us





COLORADO
Division of Water Resources
Department of Natural Resources

March 25, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

The purpose of this letter is to provide you with initial information of a delivery of water to the Offset Account in John Martin Reservoir. The Catlin Augmentation Association (CAA) will deliver fully consumable water associated with the Catlin Canal water right to the Offset Account per the provisions of Paragraph 14 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”) during times when John Martin Reservoir is in Conservation Storage and at other times when the Catlin Canal water right is not needed for in-state replacement. The delivery will only occur from those augmentation stations described in 12CW84 above John Martin Dam as described in the engineering analysis and approved per the 2022 SWSP application. Appropriate terms and conditions were included for use of the water rights in the SWSP and will be also included in the 2023-24 Rule 14 Plan approval. The delivery is ongoing after the diversions started on March 15, 2023.

Colorado Upstream Consumable Water Subaccount	Approximately 100 acre-feet
Colorado Downstream Consumable Water Subaccount	N/A
Return Flow Subaccount	N/A
Return Flow Transit Loss Subaccount	N/A

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account at the conclusion of the 2023 irrigation season. The accounting spreadsheet for the operation of the Catlin Canal water right for 2023 will be provided electronically.

If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold

Bethany Arnold, P.E.
Assistant Division Engineer

Water Division 2 · Pueblo

310 E. Abriendo Ave., Suite B · Pueblo, CO 81004 · Phone: 719-542-3368 · Fax: 719-544-0800
www.water.state.co.us





COLORADO
Division of Water Resources
Department of Natural Resources
Water Division 2 - Colorado Springs

March 31, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

The purpose of this letter is to provide you with initial information of a delivery of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated an action to deliver 63.43 acre-feet of fully consumable water to the Kansas Charge subaccount of the Offset Account for the purpose of fully satisfying the Storage Charge prerequisite for using the Offset Account as provided for in paragraph 9 of the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998 ("Resolution"). LAWMA has pre-funded a portion of the 500 acre-foot Storage Charge and as of the date of this letter, the pre-funded balance, with an estimated evaporation of 0.44 acre-feet for March 31, 2023, was 436.57 acre-feet. LAWMA will transfer consumable water from LAWMA's Upstream Consumable subaccount of the Offset Account to fully satisfy the storage charge for 2023.

I will provide you with a formal notification, which will have all of the details concerning the transfer within the Offset Account. If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold
Assistant Division Engineer





COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Colorado Springs

April 24, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

The purpose of this letter is to provide you with initial information of a delivery of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated an action to deliver approximately 17.32 acre-feet of fully consumable water to the Colorado Downstream Consumable subaccount of the Offset Account as provided for in paragraph 14 of the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998 ("Resolution"). LAWMA will transfer consumable water from LAWMA's Keesee Article II account.

Using the procedures described in the "AGREEMENT CONCERNING THE OFFSET ACCOUNT IN JOHN MARTIN RESERVOIR FOR COLORADO PUMPING, DETERMINATION OF CREDITS FOR DELIVERY OF WATER RELEASED FOR COLORADO PUMPING, AND RELATED MATTERS", Paragraph 6 and Attachment A, 26.93 acre-feet of water will be transferred from LAWMA's Keesee Article II account. The following distribution of the approximately 26.93 acre-feet will be made in the Offset Account.

On April 24, 2023:

Colorado Downstream Consumable Subaccount	17.32 acre-feet
Return Flow Subaccount	2.48 acre-feet
Return Flow Transit Loss Subaccount	0.13 acre-feet

Additionally on April 24, 2023, the following amounts representing the in-state return flow portion will be transferred to the Article II accounts of the various ditches:

Lamar Winter Stored Subaccount	2.24 acre-feet
Amity Winter Stored Subaccount	3.96 acre-feet
Fort Bent Winter Stored Subaccount	0.81 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account. If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold, P.E.
Assistant Division Engineer





April 28, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Subject: Initial Notice of Delivery to the Offset Account in John Martin Reservoir

Dear Kevin,

The purpose of this letter is to provide you with courtesy notice of a delivery of fully consumable water to the Offset Account. On behalf of The Lower Arkansas Water Management Association (LAWMA), Colorado Springs Utilities will deliver 141 acre-feet to the Offset Account, per the provisions of Paragraph 14 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") fully consumable water associated with fully consumable effluent generated on Fountain Creek.

The delivery to the Offset Account will start at 07:00 on April 28, 2023 at a rate of 30 cfs (59 af/day), concluding on May 1, 2023 at 19:00. The transit loss is calculated to be 32.2% from Fountain Creek at the confluence with the Arkansas River to John Martin Reservoir for an anticipated net delivery of 141 Acre-Feet to the Offset Account.

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account. If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold, P.E.
Assistant Division Engineer





May 5, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Subject: Initial Notice of Delivery to the Offset Account in John Martin Reservoir

Dear Kevin,

The purpose of this letter is to provide you with courtesy notice of a delivery of fully consumable water to the Offset Account. On behalf of The Lower Arkansas Water Management Association (LAWMA), Colorado Springs Utilities will deliver 138 acre-feet to the Offset Account, per the provisions of Paragraph 14 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") fully consumable water associated with fully consumable effluent generated on Fountain Creek.

The delivery to the Offset Account will start at 07:00 on May 5, 2023 at a rate of approximately 30 cfs (59 af/day), concluding on May 8, 2023 at 19:00. The transit loss is calculated to be 33.58% from Fountain Creek at the confluence with the Arkansas River to John Martin Reservoir for an anticipated net delivery of 138 Acre-Feet to the Offset Account.

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account. If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold

Bethany Arnold, P.E.
Assistant Division Engineer





COLORADO
Division of Water Resources
Department of Natural Resources
Water Division 2 - Colorado Springs

May 15, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Subject: Initial Notice of Delivery to the Offset Account in John Martin Reservoir

Dear Kevin,

The purpose of this letter is to provide you with courtesy notice of a delivery of fully consumable water to the Offset Account. The Lower Arkansas Water Management Association (LAWMA), will deliver 173 acre-feet of water leased from the City of Salida to the Offset Account, per the provisions of Paragraph 14 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution").

The delivery to the Offset Account will start at 10:00 on May 15, 2023 at a rate of approximately 20 cfs (40 af/day), concluding on May 20, 2023 at 10:00. The transit loss is calculated to be 12.68% from Pueblo Reservoir to John Martin Reservoir for an anticipated net delivery of 173 Acre-Feet to the Offset Account.

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account. If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold, P.E.
Assistant Division Engineer





COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Colorado Springs

May 17, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

The purpose of this letter is to provide you with initial information of a delivery of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated an action to deliver approximately 33.40 acre-feet of fully consumable water to the Colorado Downstream Consumable subaccount of the Offset Account as provided for in paragraph 14 of the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998 ("Resolution"). LAWMA will transfer consumable water from LAWMA's X-Y Summer Stored Article II account.

Using the procedures described in the "AGREEMENT CONCERNING THE OFFSET ACCOUNT IN JOHN MARTIN RESERVOIR FOR COLORADO PUMPING, DETERMINATION OF CREDITS FOR DELIVERY OF WATER RELEASED FOR COLORADO PUMPING, AND RELATED MATTERS", Paragraph 6 and Attachment A, 54.84 acre-feet of water will be transferred from LAWMA's Keesee Article II account. The following distribution of the approximately 54.84 acre-feet will be made in the Offset Account.

On May 17, 2023:

Colorado Downstream Consumable Subaccount	33.40 acre-feet
Return Flow Subaccount	18.92 acre-feet
Return Flow Transit Loss Subaccount	1.75 acre-feet

Additionally on May 17, 2023, the following amounts representing the in-state return flow portion will be transferred to the Article II accounts of the various ditches:

Buffalo Winter Stored Subaccount	0.77 acre-feet
----------------------------------	----------------

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account. If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold, P.E.
Assistant Division Engineer





COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

June 1, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

The purpose of this letter is to provide you with initial information of a transfer of water within the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) will deliver water from the Colorado Downstream Consumable Account (Account 53) to the Kansas Consumable Subaccount (Account 54) per the provisions of Paragraph 5 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). The transfer will occur on Saturday, July 1, 2023.

The purpose of this transfer is to replace depletions in January, February, March and April 2023 at the state line caused by well pumping pursuant to Paragraph 5 of the Resolution. A total of 1,793.98 acre-feet will be transferred to the Kansas Consumable Subaccount, if it is not first released as part of a delivery called for by Kansas.

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account at the conclusion of the operation.

If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold, P.E.
Assistant Division Engineer

Ec: Roy Cue, LAWMA
Randy Hendrix, LAWMA
Ayrton Hendrix, LAWMA
Bill Tyner, LAWMA
Noah Friesen
Brian Lenherr
Rachel Zancanella
Lonnie Spady





June 1, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Subject: Initial Notice of Delivery to the Offset Account in John Martin Reservoir

Dear Kevin,

The purpose of this letter is to provide you with courtesy notice of a delivery of fully consumable water to the Offset Account. The Arkansas Groundwater and Reservoir Association (AGRA), will deliver 300 acre-feet of water generated from changed Excelsior Ditch shares in 04CW62 to the Offset Account , per the provisions of Paragraph 6 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”). In conjunction with this delivery, Catlin Augmentation Association (CAA) will deliver 100 acre-feet generated from changed Catlin Canal shares in 12CW94 to the Offset Account pursuant to Paragraph 6 of the Resolution.

The delivery to the Offset Account will start at 11:00 on June 1, 2023 at a total rate of approximately 7.56 cfs (15 af/day), concluding on June 30, 2023 at 11:00. AGRA is delivering 5.67 cfs (11.25 af/day) to the AGRA Upstream Consumable Subaccount (Account 72) and CAA is delivering 1.89 cfs (3.75 af/day) to the CAA Upstream Consumable Subaccount (Account 75). The transit loss is calculated to be 7.2% from Lake Meredith to John Martin Reservoir for an anticipated net delivery of 400 Acre-Feet to the Offset Account (300 acre-feet for AGRA and 100 acre-feet for CAA).

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account. If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold, P.E.
Assistant Division Engineer

Ec: Kent Ricken, AGRA
Dan Tucker, AGRA
Ivan Walter, CAA
Lori Marchando, CAA
Noah Friesen
Brian Lenherr
Rachel Zancanella
Lonnie Spady





June 2, 2023

Earl D. Lewis, Jr. Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502

Subject: Notice of Transfers and Deliveries to the Offset Account in John Martin Reservoir

Dear Mr. Lewis,

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”) for each delivery or transfer conducted during 2023 in detail following the initial notice for each transaction originally sent to Kansas.

March 24, 2023 transfer:

The Lower Arkansas Water Management Association (LAWMA) transferred **624.58 acre-feet** of consumable water to the Offset Account on March 24, 2023 in order to partially satisfy the initial storage charge for 2023-24. A portion of the storage charge had been prepaid by LAWMA in October 2022 and the transfer provided a portion of the balance of the 500 acre-feet owed. This total was broken into the following components:

- The Kansas Charge subaccount received 429.06 acre-feet.
- The Return Flow Transit Loss Subaccount received 17.79 acre-feet.
- The Return Flow Subaccount received 177.73 acre-feet.

In order to accomplish the foregoing, a total of **624.58 acre-feet** of water was transferred from LAWMA’s X-Y, Keesee, Sisson-Stubbs, and Manvel Article II accounts. A daily accounting sheet for John Martin Reservoir for March 24, 2023 is included in Enclosure 1.



March 31, 2023 transfer:

The Lower Arkansas Water Management Association (LAWMA) transferred **63.43 acre-feet** of consumable water within the Offset Account on March 31, 2023 in order to complete the initial storage charge for 2023-24. A portion of the storage charge had been prepaid by LAWMA and the transfer provided a portion of the balance of the 500 acre-feet owed, resulting in the total storage charge being fulfilled. This total was broken into the following components:

- The Kansas Charge subaccount received 63.43 acre-feet.

In order to accomplish the foregoing, a total of **63.43 acre-feet** of water was transferred from LAWMA's Upstream Consumable account. A daily accounting sheet for John Martin Reservoir for March 31, 2023 is included in Enclosure 2.

April 24, 2023 transfer:

The Lower Arkansas Water Management Association (LAWMA) transferred **18.79 acre-feet** of consumable water to the Offset Account on April 24, 2023. This total was broken into the following components:

- Colorado Downstream Consumable subaccount received 16.32 acre-feet.
- The Return Flow Transit Loss Subaccount received 0.13 acre-feet.
- The Return Flow Subaccount received 2.34 acre-feet.

In order to accomplish the foregoing, a total of **18.79 acre-feet** of water was transferred from LAWMA's Keesee Article II account. A daily accounting sheet for John Martin Reservoir for April 24, 2023 is included in Enclosure 3.

Summary

This letter summarizes the transfer into the Offset Account for LAWMA on March 24, 2023 and March 31, 2023. The total amount of water transferred into the Offset Account on the above dates was 706.80 acre-feet. Total consumable water delivered was 508.81 acre-feet and total return flow water delivered was 180.07 acre-feet. The Return Flow Transit loss subaccount total was 17.92 acre-feet.

Please contact me if you have any questions or require additional information.

Sincerely,



Rachel A. Zancanella, P.E.
Division Engineer
Water Division 2
Colorado Division of Water Resources

2 Enclosure

cc:	Kevin Salter	Rachel Duran	Dale Book	Roy Cue
	Randy Hendrix	Ayrton Hendrix	Dan Steuer	Bethany Arnold
	Brian Lenherr	Lonnie Spady	Bill Tyner	

Enclosure 1

Daily Accounting for John Martin Reservoir on March 24, 2023

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Multi-PurposeAcco								
Consumable								
Kansas Charge	3/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project	3/24/2023	0.00	0.06	0.00	0.00	0.00	0.00	0.06
Catlin LAVWCD Pilot Project - CS	3/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	3/24/2023	84.46	0.00	0.00	0.00	0.00	0.08	84.38
CAA	3/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow								
Catlin LAVWCD Pilot Project	3/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project - CS	3/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	3/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	3/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multi-PurposeAcco	Totals:	84.46	0.06	0.00	0.00	0.00	0.08	84.44

Reservoir	Totals:	37,631.01	222.70	863.19	863.20	0.00	37.70	37,816.00
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Colorado Article II Summary								
Keesee	3/24/2023	63.03	0.00	0.00	62.97	0.00	0.06	0.00
Ft Bent	3/24/2023	271.22	0.00	1.89	0.00	0.00	0.27	272.84
Amity	3/24/2023	1,398.64	0.00	9.26	0.00	0.00	1.40	1,406.50
Lamar	3/24/2023	566.50	0.00	5.22	0.00	0.00	0.57	571.15
Hyde	3/24/2023	35.58	0.00	0.00	0.00	0.00	0.04	35.54
X-Y	3/24/2023	139.72	0.00	0.00	139.58	0.00	0.14	0.00
Buffalo	3/24/2023	232.85	0.00	222.23	0.00	0.00	0.23	454.85
Sisson	3/24/2023	32.90	0.00	0.00	32.87	0.00	0.03	0.00
Stubbs	3/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manvel	3/24/2023	628.41	0.00	0.00	627.78	0.00	0.63	0.00
Colorado Article II	Totals:	3,368.85	0.00	238.60	863.20	0.00	3.37	2,740.88

Enclosure 2

Daily Accounting for John Martin Reservoir on March 31, 2023

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Multi-PurposeAcco								
Consumable								
Kansas Charge	3/31/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project	3/31/2023	0.06	0.00	0.00	0.00	0.00	0.00	0.06
Catlin LAVWCD Pilot Project - CS	3/31/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	3/31/2023	83.90	0.00	0.00	0.00	0.00	0.15	83.75
CAA	3/31/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow								
Catlin LAVWCD Pilot Project	3/31/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project - CS	3/31/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	3/31/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	3/31/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multi-PurposeAcco	Totals:	83.96	0.00	0.00	0.00	0.00	0.15	83.81

Reservoir	Totals:	38,373.00	130.95	63.43	63.43	0.00	68.95	38,435.00
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Colorado Article II Summary								
Keesee	3/31/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ft Bent	3/31/2023	271.22	0.00	0.00	0.00	0.00	0.49	270.73
Amity	3/31/2023	1,398.12	0.00	0.00	0.00	0.00	2.51	1,395.61
Lamar	3/31/2023	567.73	0.00	0.00	0.00	0.00	1.02	566.71
Hyde	3/31/2023	35.30	0.00	0.00	0.00	0.00	0.06	35.24
X-Y	3/31/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Buffalo	3/31/2023	452.15	0.00	0.00	0.00	0.00	0.81	451.34
Sisson	3/31/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stubbs	3/31/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manvel	3/31/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colorado Article II	Totals:	2,724.52	0.00	0.00	0.00	0.00	4.89	2,719.63

Enclosure 3

Daily Accounting for John Martin Reservoir on April 24, 2023

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Multi-PurposeAcco								
Consumable								
Kansas Charge	4/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project	4/24/2023	0.06	0.00	0.00	0.00	0.00	0.00	0.06
Catlin LAVWCD Pilot Project - CS	4/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	4/24/2023	80.83	0.00	0.00	0.00	0.00	0.10	80.73
CAA	4/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow								
Catlin LAVWCD Pilot Project	4/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project - CS	4/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	4/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	4/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multi-PurposeAcco	Totals:	80.89	0.00	0.00	0.00	0.00	0.10	80.79

Reservoir	Totals:	38,938.94	30.52	25.39	25.39	0.00	49.43	38,920.03
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Colorado Article II Summary								
Keesee	4/24/2023	227.69	0.00	0.00	25.39	0.00	0.29	202.01
Ft Bent	4/24/2023	1,241.37	0.00	0.76	0.00	0.00	1.58	1,240.55
Amity	4/24/2023	6,247.52	0.00	3.73	0.00	0.00	7.93	6,243.32
Lamar	4/24/2023	2,288.34	0.00	2.11	0.00	0.00	2.90	2,287.55
Hyde	4/24/2023	162.69	0.00	0.00	0.00	0.00	0.21	162.48
X-Y	4/24/2023	504.96	0.00	0.00	0.00	0.00	0.64	504.32
Buffalo	4/24/2023	1,277.09	0.00	0.00	0.00	0.00	1.62	1,275.47
Sisson	4/24/2023	118.82	0.00	0.00	0.00	0.00	0.15	118.67
Stubbs	4/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manvel	4/24/2023	237.58	0.00	0.00	0.00	0.00	0.31	237.27
Colorado Article II	Totals:	12,306.06	0.00	6.60	25.39	0.00	15.63	12,271.64



COLORADO
Division of Water Resources
Department of Natural Resources
Water Division 2 - Colorado Springs

June 28, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Subject: Initial Notice of Delivery to the Offset Account in John Martin Reservoir

Dear Kevin,

The purpose of this letter is to provide you with courtesy notice of a delivery of fully consumable water to the Offset Account. The Lower Arkansas Water Management Association (LAWMA), will deliver 2,927.30 acre-feet of water purchased from Colorado Springs Utilities to the Offset Account, per the provisions of Paragraph 14 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). The water is fully consumable water associated with changed Colorado Canal shares stored in Lake Meredith.

The delivery to the Offset Account will start at 08:00 on June 29, 2023 at a rate of approximately 517.29 CFS (1,026.04), concluding on July 2, 2023 at 08:00. The transit loss is calculated to be 4.9% from the Lake Meredith Outlet to John Martin Reservoir for an anticipated net delivery of 2,927.30 Acre-Feet to the Offset Account.

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account. If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold, P.E.
Assistant Division Engineer





July 13, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Subject: Initial Notice of Delivery to the Offset Account in John Martin Reservoir

Dear Kevin,

The purpose of this letter is to provide you with courtesy notice of a delivery of fully consumable water to the Offset Account. The Catlin Augmentation Association (CAA), will deliver 73.37 acre-feet of water generated from Catlin Canal shares changed in 12CW94 to the Offset Account, per the provisions of Paragraph 6 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution").

The delivery to the Offset Account will start at 00:00 on July 14, 2023 with a release out of Lake Meredith at a rate of approximately 5.75 cfs (11.4 af/day), concluding on July 21, 2023 at 00:00. The transit loss is calculated to be 8.1% from Lake Meredith to John Martin Reservoir for an anticipated net delivery of 73.37 Acre-Feet to the CAA Upstream Consumable subaccount.

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account. If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold

Bethany Arnold, P.E.
Assistant Division Engineer

Ec: Kent Ricken, AGRA
Dan Tucker, AGRA
Ivan Walter, CAA
Lori Marchando, CAA
Noah Friesen
Brian Lenherr
Rachel Zancanella
Lonnie Spady
Brandy Cole
Jeanette Myers





COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Colorado Springs

July 17, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

The purpose of this letter is to provide you with initial information of a delivery of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated an action to deliver approximately 1,147.22 acre-feet of fully consumable water to the Colorado Downstream Consumable subaccount of the Offset Account as provided for in paragraph 14 of the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998 ("Resolution"). LAWMA will transfer consumable water from LAWMA's X-Y Summer Stored Article II account.

Using the procedures described in the "AGREEMENT CONCERNING THE OFFSET ACCOUNT IN JOHN MARTIN RESERVOIR FOR COLORADO PUMPING, DETERMINATION OF CREDITS FOR DELIVERY OF WATER RELEASED FOR COLORADO PUMPING, AND RELATED MATTERS", Paragraph 6 and Attachment A, 1883.77 acre-feet of water will be transferred from LAWMA's X-Y Article II account. The following distribution of the approximately 1883.77 acre-feet will be made in the Offset Account.

On July 18, 2023:

Colorado Downstream Consumable Subaccount	1147.22 acre-feet
Return Flow Subaccount	649.90 acre-feet
Return Flow Transit Loss Subaccount	60.28 acre-feet

Additionally on July 18, 2023, the following amounts representing the in-state return flow portion will be transferred to the Article II accounts of the various ditches:

Buffalo Winter Stored Subaccount	26.37 acre-feet
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I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account. If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold, P.E.
Assistant Division Engineer





COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Colorado Springs

July 18, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

The purpose of this letter is to provide you with initial information of a delivery of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated an action to deliver approximately 537.00 acre-feet of fully consumable water to the Colorado Downstream Consumable subaccount of the Offset Account as provided for in paragraph 14 of the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998 ("Resolution"). LAWMA will transfer consumable water from LAWMA's Keesee Summer Stored Article II account.

Using the procedures described in the "AGREEMENT CONCERNING THE OFFSET ACCOUNT IN JOHN MARTIN RESERVOIR FOR COLORADO PUMPING, DETERMINATION OF CREDITS FOR DELIVERY OF WATER RELEASED FOR COLORADO PUMPING, AND RELATED MATTERS", Paragraph 6 and Attachment A, 835.14 acre-feet of water will be transferred from LAWMA's Keesee Article II account. The following distribution of the approximately 835.14 acre-feet will be made in the Offset Account.

On July 19, 2023:

Colorado Downstream Consumable Subaccount	537.00 acre-feet
Return Flow Subaccount	76.83 acre-feet
Return Flow Transit Loss Subaccount	4.18 acre-feet

Additionally on July 19, 2023, the following amounts representing the in-state return flow portion will be transferred to the Article II accounts of the various ditches:

Amity Winter Stored Subaccount	122.77 acre-feet
Lamar Winter Stored Subaccount	69.32 acre-feet
Fort Bent Winter Stored Subaccount	25.02 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account. If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold, P.E.
Assistant Division Engineer





August 4, 2023

Earl D. Lewis, Jr. Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502

Subject: Notice of Transfer to the Offset Account in John Martin Reservoir - Kansas Charge

Dear Mr. Lewis,

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”) for each delivery or transfer conducted during 2023 in detail following the initial notice for each transaction originally sent to Kansas.

April 28, 2023 through May 4, 2023 delivery:

The Lower Arkansas Water Management Association (LAWMA) delivered **119.34 acre-feet** of consumable water to the Colorado Downstream Consumable subaccount.

In order to accomplish the foregoing, a total of **176.04 acre-feet** of consumable water was delivered to the mouth of Fountain Creek from Colorado Springs Utilities (CS-U) beginning on April 28, 2023 at 7:00 hours at a rate of 30 cfs. The computed transit loss for the release from Fountain at the mouth to John Martin was 32.3%. The inflows were stored in the Colorado Downstream Consumable account.

Details of this delivery are included in Enclosure 1.

May 5, 2023 through May 12, 2023 delivery:

The Lower Arkansas Water Management Association (LAWMA) delivered **115.25 acre-feet** of consumable water to the Colorado Downstream Consumable subaccount.

In order to accomplish the foregoing, a total of **173.56 acre-feet** of consumable water was delivered to the mouth of Fountain Creek from Colorado Springs Utilities (CS-U) beginning on May 5, 2023 at 7:00 hours at a rate of 25 cfs. The computed transit loss for the release from Fountain at the mouth to John Martin was 33.6%. The inflows were stored in the Colorado Downstream Consumable account.

Details of this delivery are included in Enclosure 2.



May 15, 2023 through May 19, 2022 delivery:

The Lower Arkansas Water Management Association (LAWMA) delivered **174.64 acre-feet** of consumable water to the Colorado Downstream Consumable subaccount.

In order to accomplish the foregoing, a total of **200 acre-feet** of consumable water was released from the City of Salida's account in Pueblo Reservoir beginning on May 15, 2023 at a rate of 20 cfs. The computed transit loss for the release from the Pueblo Reservoir to John Martin was 12.6%. The inflows were stored in the Colorado Downstream Consumable account.

Details of this delivery are included in Enclosure 3.

May 17, 2023 transfer:

The Lower Arkansas Water Management Association (LAWMA) transferred **33.32 acre-feet** of consumable water to the Offset Account on May 17, 2023. This total was broken into the following components:

- Colorado Downstream Consumable subaccount received 33.32 acre-feet.
- The Return Flow Transit Loss Subaccount received 1.75 acre-feet.
- The Return Flow Subaccount received 18.87 acre-feet.

In order to accomplish the foregoing, a total of **54.71 acre-feet** of water was transferred from LAWMA's X-Y Article II account. A daily accounting sheet for John Martin Reservoir for May 17, 2023 is included in Enclosure 4.

Summary

This letter summarizes the deliveries to the Offset Account for LAWMA through May 19, 2023. The total amount of water delivered to the Offset Account on the above dates was 409.23 acre-feet. Total consumable water delivered was 409.23 acre-feet. No return flow or return flow transit loss water was involved in these deliveries.

Please contact me if you have any questions or require additional information.

Sincerely,



Rachel A. Zancanella, P.E.
Division Engineer
Water Division 2
Colorado Division of Water Resources

3 Enclosure

cc:	Kevin Salter	Rachel Duran	Dale Book	Roy Cue
	Randy Hendrix	Ayrton Hendrix	Dan Steuer	Bethany Arnold
	Brian Lenherr	Lonnie Spady	Bill Tyner	

Enclosure 1

Delivery Details LAWMA from Colorado Springs Utilities
April 28, 2023 through May 4, 2023

	A	B	C	AB	AC
1	John Martin Reservoir WY				
2	2023				
3					
4	Label 1			LAWMA_CSU	LAWMA ARF
5	Label 2			CSU_RF_Fountain Creek	ARF027CO(LOWER)
6					
7					
8	Label 3			Offset Storage (DOWNSTREAM)	Offset Storage (UPSTREAM))f
9	Date	Day	YrMo	J_RF_Fountain Creek Offset Storage ▾)27CO(LOWER) Offset Sto ▾ R
184	4/24/2023 0:00:00	Mon	202304		
185	4/25/2023 0:00:00	Tue	202304		
186	4/26/2023 0:00:00	Wed	202304		
187	4/27/2023 0:00:00	Thu	202304		
188	4/28/2023 0:00:00	Fri	202304		
189	4/29/2023 0:00:00	Sat	202304		
190	4/30/2023 0:00:00	Sun	202304		
191	5/1/2023 0:00:00	Mon	202305	23.53	
192	5/2/2023 0:00:00	Tue	202305	40.34	
193	5/3/2023 0:00:00	Wed	202305	40.34	
194	5/4/2023 0:00:00	Thu	202305	15.13	
195	5/5/2023 0:00:00	Fri	202305		
196	5/6/2023 0:00:00	Sat	202305		

Enclosure 2

Delivery Details LAWMA from Colorado Springs Utilities
April May 5, 2023 through May 12, 2023

	A	B	C	AB	AC
1	John Martin Reservoir WY 2023				
2					
3					
4	Label 1			LAWMA_CSU	LAWMA ARF
5	Label 2			CSU_RF_Fountain Creek	ARF027CO(LOWER)
6					
7					
8	Label 3			Offset Storage (DOWNSTREAM)	Offset Storage (UPSTREAM))ff
9	Date	Day	YrMo	RF_Fountain Creek Offset Storage ▾	27CO(LOWER) Offset Sto ▾ RF
196	5/6/2023 0:00:00	Sat	202305		
197	5/7/2023 0:00:00	Sun	202305		
198	5/8/2023 0:00:00	Mon	202305	6.82	
199	5/9/2023 0:00:00	Tue	202305	32.93	
200	5/10/2023 0:00:00	Wed	202305	32.93	
201	5/11/2023 0:00:00	Thu	202305	32.93	
202	5/12/2023 0:00:00	Fri	202305	9.64	
203	5/13/2023 0:00:00	Sat	202305		
204	5/14/2023 0:00:00	Sun	202305		
205	5/15/2023 0:00:00	Mon	202305		
206	5/16/2023 0:00:00	Tue	202305		
207	5/17/2023 0:00:00	Wed	202305		
208	5/18/2023 0:00:00	Thu	202305		

CSU to LAWMA. 33.6% TL.

Enclosure 3

Delivery Details LAWMA from City of Salida
May 15, 2023 through May 19, 2023

	A	B	C	Y	Z
1	John Martin Reservoir WY				
2	2023				
3					
4	Label 1			Offset Consumable	LAWMA_Aurora
5	Label 2			Downstream	Aurora
6				LAWMA - City of Salida	
7					
8	Label 3				Offset Storage (DOWNSTREAM)
9	Date	Day	YrMo	Offset Consumable Downstream	Aurora Aurora Offset Storage (DOWN
203	5/13/2023 0:00:00	Sat	202305		
204	5/14/2023 0:00:00	Sun	202305		
205	5/15/2023 0:00:00	Mon	202305		
206	5/16/2023 0:00:00	Tue	202305		
207	5/17/2023 0:00:00	Wed	202305		
208	5/18/2023 0:00:00	Thu	202305	6.24	3.5 day delivery from Pueblo for Salida. 12.68% TL.
209	5/19/2023 0:00:00	Fri	202305	49.90	
210	5/20/2023 0:00:00	Sat	202305	49.90	
211	5/21/2023 0:00:00	Sun	202305	49.90	
212	5/22/2023 0:00:00	Mon	202305	18.70	
213	5/23/2023 0:00:00	Tue	202305		
214	5/24/2023 0:00:00	Wed	202305		
215	5/25/2023 0:00:00	Thu	202305		

Enclosure 4

Daily Accounting for John Martin Reservoir on May 17, 2023

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Multi-PurposeAcco								
Consumable								
Kansas Charge	5/17/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project	5/17/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project - CS	5/17/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	5/17/2023	78.61	0.00	0.00	0.00	0.00	0.18	78.43
CAA	5/17/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWS	5/17/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow								
Catlin LAVWCD Pilot Project	5/17/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project - CS	5/17/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	5/17/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	5/17/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWS	5/17/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multi-PurposeAcco	Totals:	78.61	0.00	0.00	0.00	0.00	0.18	78.43

Reservoir	Totals:	31,205.06	22.32	54.71	54.71	156.34	71.41	30,999.63
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Colorado Article II Summary								
Keesee	5/17/2023	196.71	0.00	0.00	0.00	0.00	0.45	196.26
Ft Bent	5/17/2023	649.55	0.00	0.00	0.00	0.00	1.49	648.06
Amity	5/17/2023	2,267.93	0.00	0.00	0.00	156.34	5.19	2,106.40
Lamar	5/17/2023	422.88	0.00	0.00	0.00	0.00	0.97	421.91
Hyde	5/17/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
X-Y	5/17/2023	491.05	0.00	0.00	54.71	0.00	1.13	435.21
Buffalo	5/17/2023	1,150.53	0.00	0.77	0.00	0.00	2.63	1,148.67
Sisson	5/17/2023	115.54	0.00	0.00	0.00	0.00	0.26	115.28
Stubbs	5/17/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manvel	5/17/2023	231.02	0.00	0.00	0.00	0.00	0.53	230.49
Colorado Article II	Totals:	5,525.21	0.00	0.77	54.71	156.34	12.65	5,302.28



August 4, 2023

Earl D. Lewis, Jr. Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502

Subject: Notice of Transfer out of the Kansas Downstream Consumable Subaccount

Dear Mr. Lewis,

The purpose of this letter is to provide notice of transfer out of the Kansas Consumable subaccount to the Colorado Downstream Consumable subaccount in John Martin Reservoir Pursuant to Paragraph 7 of the **Agreement Concerning the Offset Account in John Martin Reservoir for Colorado Pumping, Determination of Credits for Delivery of Water Released for Colorado Pumping, and Related Matters** (“Agreement”). The 2022 HI Model run resulted in a shortfall and the contents of the Kansas Consumable subaccount on June 1, 2023 0:00 exceeded the amount required to cover projected transit loss and evaporation through July 1, 2023.

The States agreed upon a shortfall of 16 acre-feet following the 2022 HI Model update. The estimated transit loss was calculated to be 4.61 acre-feet and the pre-funded evaporation was calculated to be 1.64 acre-feet, pursuant to Paragraph 4 of **Appendix A.1 Compact Compliance and Repayment Accounting Procedures** (“Appendix A.1”). The total shortfall delivery amount was 22.25 acre-feet. A shortfall calculation spreadsheet is included in Enclosure 1.

On June 1, 2023, the balance of the Kansas Consumable account was 911.01 acre-feet. Water had previously been transferred into this account to replace the estimated depletions to stateline flow from post compact pumping in the Lower Arkansas Management Association (LAWMA) monthly accounting. A total of 886.96 acre-feet was transferred out of the Kansas Consumable subaccount to the Colorado Downstream Consumable subaccount, leaving 22.25 acre-feet



in the Kansas Consumable subaccount to satisfy the total shortfall delivery requirement. This transfer was recorded in JMAS on June 1, 2023. This operation was agreed to during a video conference call between the states on June 6, 2023. A daily accounting sheet for John Martin Reservoir for June 1, 2023 is included in Enclosure 2.

Please contact me if you have any questions or require additional information.

Sincerely,

A handwritten signature in blue ink that reads "Rachel A. Zancanella". The signature is fluid and cursive.

Rachel A. Zancanella, P.E.
Division Engineer
Water Division 2
Colorado Division of Water Resources

2 Enclosure

cc: Kevin Salter Rachel Duran Dale Book Roy Cue
Randy Hendrix Ayrton Hendrix Dan Steuer Bethany Arnold
Brian Lenherr Lonnie Spady

Enclosure 1

Shortfall Delivery Calculation for 2022 HI Model Result

Shortfall Calculations
HI Model Year 2022 Results

Colorado Model Results Ten Year Accounting Deficit (March 31)	
Kansas Model Results Ten Year Accounting Deficit (May 15)	
Agreement Shortfall or Provisional Incremental Shortfall	
Final Shortfall Determined (June 1)	16
Volume Weighted Transit Loss from Prior Three Years Deliveries	0.287997369
Estimated Transit Loss	4.61
Delivery Volume with Added Transit Loss Water	20.61
Evaporation Charge Rate Assuming Transfer on June 30, 2023 (Account Balance was Less Than 77,000 AF on April 1, 2023)	0.00266
Evaporation Pre-Funded Amount till July 1, 2023	1.64
Total Shortfall Delivery for June 30, 2023 at 24:00 Hours	22.25

Amount in Kansas Consumable from 2022 depletions (as of May 30)	912.61
Amount used for 2023 shortfall	22.25
Additional Amount Needed by June 30, 2023	0.00

Note that the balance of the 2023 Shortfall will be due 45 days after the States agree on the final deficit.

(Assumed to be around July 15, 2023)

Enclosure 2

Daily Accounting for John Martin Reservoir on June 1, 2023

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Multi-PurposeAcco								
Consumable								
Kansas Charge	6/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project	6/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project - CS	6/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	6/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	6/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWS	6/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow								
Catlin LAVWCD Pilot Project	6/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project - CS	6/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	6/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	6/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWS	6/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multi-PurposeAcco	Totals:	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Reservoir	Totals:	29,803.53	83.50	886.96	886.96	0.00	58.79	29,828.24
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Colorado Article II Summary								
Keesee	6/1/2023	193.01	0.00	0.00	0.00	0.00	0.38	192.63
Ft Bent	6/1/2023	637.29	0.00	0.00	0.00	0.00	1.26	636.03
Amity	6/1/2023	606.51	0.00	0.00	0.00	0.00	1.20	605.31
Lamar	6/1/2023	414.91	0.00	0.00	0.00	0.00	0.82	414.09
Hyde	6/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
X-Y	6/1/2023	427.99	0.00	0.00	0.00	0.00	0.84	427.15
Buffalo	6/1/2023	1,129.62	0.00	0.00	0.00	0.00	2.23	1,127.39
Sisson	6/1/2023	113.39	0.00	0.00	0.00	0.00	0.22	113.17
Stubbs	6/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manvel	6/1/2023	226.70	0.00	0.00	0.00	0.00	0.44	226.26
Colorado Article II	Totals:	3,749.42	0.00	0.00	0.00	0.00	7.39	3,742.03



September 7, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Subject: Initial Notice of Delivery to the Offset Account in John Martin Reservoir

Dear Kevin,

The purpose of this letter is to provide you with initial information of a delivery of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated an action to deliver 604.16 acre-feet of fully consumable water to the Kansas Charge subaccount of the Offset Account for the purpose of satisfying the Storage Charge prerequisite for using the Offset Account as provided for in paragraph 9 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”). LAWMA will deliver east slope consumable water from Lake Meredith associated with changed Colorado Canal Shares to pre-fund the storage charge for 2024. This water was obtained by an emergency allocation from Southeastern Colorado Water Conservancy District (SECWCD) and a reservoir trade with Colorado Springs Utilities.

The delivery to the Offset Account will start at 12:00 on September 8, 2023 at a rate of approximately 100.83 CFS (200 AF/day), concluding on September 12, 2023 at 00:00. The transit loss is calculated to be 13.69% from the Lake Meredith Outlet to John Martin Reservoir for an anticipated net delivery of 604.16 Acre-Feet to the Offset Account.

I will provide you with a formal notification, which will have all of the details concerning the delivery to the Offset Account. If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold, P.E.
Assistant Division Engineer





September 27, 2023

Kevin Salter
Kansas Department of Agriculture (By E-Mail)

Subject: Initial Notice of Delivery to the Offset Account in John Martin Reservoir

Dear Kevin,

The purpose of this letter is to provide you with courtesy notice of a delivery of fully consumable water to the Offset Account. The Arkansas Groundwater and Reservoir Association (AGRA), will deliver 485.96 acre-feet of water generated from changed Excelsior Ditch shares in 04CW62 to the Offset Account, per the provisions of Paragraph 6 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution").

The delivery to the Offset Account will start at 10:00 hours on September 28, 2023 at a total rate of approximately 25 cfs (49.59 af/day) for 5 days, 30 cfs (59.51 af/day) for for 5 days, concluding on October 7, 2023 at 10:00 hours. AGRA is delivering this water to the AGRA Upstream Consumable Subaccount (Account 72). The transit loss is calculated to be 23.23% from Stonewall Springs South Reservoir (1403693) to John Martin Reservoir for an anticipated net delivery of 373.07 acre-feet to the Offset Account.

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account. If you have any questions in the meantime, please call me.

Sincerely,

Bethany Arnold, P.E.
Assistant Division Engineer

Ec: Kent Ricken, AGRA
Dan Tucker, AGRA
Jim McGrady, Triview Metropolitan District
Steve Sheffield, Triview Metropolitan District
Brian Black, Schnabel Engineering
Noah Friesen
Brian Lenherr
Lonnie Spady
Rachel Zancanella
Lonnie Spady





October 25, 2023

Earl D. Lewis, Jr. Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502

Subject: Notice of Operations of the Offset Account in John Martin Reservoir - Arkansas Groundwater and Reservoir Association

Dear Mr. Lewis,

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") for each delivery or transfer conducted during 2023 in detail following the initial notice for each transaction originally sent to Kansas.

March 26, 2023 transfer:

Arkansas Groundwater & Reservoir Association (AGRA) transferred 61.29 acre-feet of consumable water to the Lower Arkansas Water Management Association (LAWMA) Upstream Consumable subaccount.

In order to accomplish the foregoing, a total of 61.29 acre-feet of water was transferred from the AGRA Colorado Upstream Consumable subaccount into the LAWMA Upstream Consumable subaccount. A daily accounting sheet for John Martin Reservoir for March 26, 2023 is included in Enclosure 1.

June 1, 2023 through June 17, 2023 delivery:

AGRA delivered 148.50 acre-feet of consumable water to the AGRA Upstream Consumable subaccount generated from Excelsior Ditch shares changed in 04CW62.

In order to accomplish the foregoing, a total of 160 acre-feet of consumable water was released from Lake Meredith beginning on June 1, 2023 at a rate of 5.67 cfs. The computed transit loss for the release from Lake Meredith to John Martin was 7.2%. The inflows were stored in the AGRA Upstream Consumable subaccount. The original notice stated the release would last until June 30, 2023, but operations changed during the course of the release and it was cut short.

Details of this delivery are included in Enclosure 2.



September 28, 2023 through October 13, 2023 delivery:

Arkansas Groundwater & Reservoir Association (AGRA) delivered **500.60 acre-feet** of consumable water to the AGRA Upstream Consumable subaccount generated from Excelsior Ditch shares changed in 04CW62.

In order to accomplish the foregoing, a total of **652.13 acre-feet** of consumable water was released from Stonewall Springs South Reservoir beginning on September 28, 2023 at 7:45 AM at a rate of 25 cfs. The pump stopped on October 2, 2023 at 6:45 AM. It was turned back on at 9:15 AM at 30 cfs on October 3, 2023 at 9:15 AM and stopped again at 1:00 PM. The pump remained off until it resumed pumping on October 4, 2023 at 2:30 PM and continued through October 11, 2023 at 6:15 AM. The computed transit loss for the release from Stonewall Springs South Reservoir to John Martin was 23.23%. The inflows were stored in the AGRA Upstream Consumable subaccount, with a 5% storage charge of 25.03 acre-feet stored in the Kansas Charge subaccount.

Details of this delivery are included in Enclosure 3.

Summary

This letter summarizes the transfers within and deliveries to the Offset Account for AGRA through October 13, 2023. The total amount of water transferred within the Offset Account was 61.29 acre-feet. The total consumable water delivered to the Offset Account was 649.10 acre-feet.

Please contact me if you have any questions or require additional information.

Sincerely,



Rachel A. Zancanella, P.E.
Division Engineer
Water Division 2
Colorado Division of Water Resources

3 Enclosure

cc:	Kevin Salter	Rachel Duran	Dale Book	Kent Ricken
	Ivan Walter	Daniel Tucker	Dan Steuer	Bethany Arnold
	Brian Lenherr	Lonnie Spady	Lori Marchando	Christine Sednek

Enclosure 1

Daily Accounting for John Martin Reservoir on March 26, 2023

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Multi-PurposeAccount								
Consumable								
Kansas Charge	3/26/2023	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Catlin LAVWCD Pilot Project	3/26/2023	0.05	0.00	0.00	0.00	0.00	0.00	0.05
Catlin LAVWCD Pilot Project - CSU	3/26/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	3/26/2023	84.30	0.00	0.00	0.00	0.00	0.08	84.22
CAA	3/26/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWSA	3/26/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LAWMA	3/26/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow								
Catlin LAVWCD Pilot Project	3/26/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project - CSU	3/26/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	3/26/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	3/26/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWSA	3/26/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LAWMA	3/26/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multi-PurposeAccount	Totals:	84.36	0.00	0.00	0.00	0.00	0.08	84.28

Reservoir	Totals:	37,878.00	68.80	61.11	61.11	0.00	37.80	37,909.00
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Colorado Article II Summary								
Keesee	3/26/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ft Bent	3/26/2023	272.57	0.00	0.00	0.00	0.00	0.27	272.30
Amity	3/26/2023	1,405.10	0.00	0.00	0.00	0.00	1.40	1,403.70
Lamar	3/26/2023	570.58	0.00	0.00	0.00	0.00	0.57	570.01
Hyde	3/26/2023	35.50	0.00	0.00	0.00	0.00	0.04	35.46
X-Y	3/26/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Buffalo	3/26/2023	454.40	0.00	0.00	0.00	0.00	0.45	453.95
Sisson	3/26/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stubbs	3/26/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manvel	3/26/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colorado Article II	Totals:	2,738.15	0.00	0.00	0.00	0.00	2.73	2,735.42

Enclosure 2

Delivery Details: AGRA from Lake Meredith
June 1, 2023 through June 17, 2023

A	B	C	Q
John Martin Reservoir WY 2023			
Label 1			AGRA
Label 2			Upstream Consumable (Acc 72)
Label 3			
Date	Day	YrMo	A Upstream Consumable (Ac
5/30/2023 0:00:00	Tue	202305	
5/31/2023 0:00:00	Wed	202305	
6/1/2023 0:00:00	Thu	202306	
6/2/2023 0:00:00	Fri	202306	0.43
6/3/2023 0:00:00	Sat	202306	10.44
6/4/2023 0:00:00	Sun	202306	10.44
6/5/2023 0:00:00	Mon	202306	10.44
6/6/2023 0:00:00	Tue	202306	10.44
6/7/2023 0:00:00	Wed	202306	10.44
6/8/2023 0:00:00	Thu	202306	10.44
6/9/2023 0:00:00	Fri	202306	10.44
6/10/2023 0:00:00	Sat	202306	10.44
6/11/2023 0:00:00	Sun	202306	10.44
6/12/2023 0:00:00	Mon	202306	10.44
6/13/2023 0:00:00	Tue	202306	10.44
6/14/2023 0:00:00	Wed	202306	10.44
6/15/2023 0:00:00	Thu	202306	10.44
6/16/2023 0:00:00	Fri	202306	10.44
6/17/2023 0:00:00	Sat	202306	1.91
6/18/2023 0:00:00	Sun	202306	
6/19/2023 0:00:00	Mon	202306	

Enclosure 3

Delivery Details: AGRA from Lake Meredith
September 28, 2023 through October 13, 2023

	A	B	C	Q
1	John Martin Reservoir WY			
2	2023			
3				
4	Label 1			AGRA
5	Label 2			Upstream Consumable (Acc 72)
6				
7				
8	Label 3			
9	Date	Day	YrMo	A Upstream Consumable (Acc 72)
342	9/29/2023 0:00:00	Fri	202309	
343	9/30/2023 0:00:00	Sat	202309	25.77
344	10/1/2023 0:00:00	Sun	202310	38.07
345	10/2/2023 0:00:00	Mon	202310	38.07
346	10/3/2023 0:00:00	Tue	202310	38.07
347	10/4/2023 0:00:00	Wed	202310	38.07
348	10/5/2023 0:00:00	Thu	202310	18.02
349	10/6/2023 0:00:00	Fri	202310	0.00
350	10/7/2023 0:00:00	Sat	202310	19.03
351	10/8/2023 0:00:00	Sun	202310	45.68
352	10/9/2023 0:00:00	Mon	202310	45.68
353	10/10/2023 0:00:00	Tue	202310	45.68
354	10/11/2023 0:00:00	Wed	202310	45.68
355	10/12/2023 0:00:00	Thu	202310	45.68
356	10/13/2023 0:00:00	Fri	202310	45.68
357	10/14/2023 0:00:00	Sat	202310	11.42
358	10/15/2023 0:00:00	Sun	202310	
359	10/16/2023 0:00:00	Mon	202310	



October 25, 2023

Earl D. Lewis, Jr. Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502

Subject: Notice of Transfer Out of the Offset Account in John Martin Reservoir - Catlin Augmentation Association

Dear Mr. Lewis,

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") for each delivery or transfer conducted during 2023 in detail following the initial notice for each transaction originally sent to Kansas.

March 25, 2023 transfer:

Catlin Augmentation Association (CAA) transferred 58.56 acre-feet of consumable water to the Arkansas Groundwater & Reservoir Association's (AGRA) Upstream Consumable subaccount.

In order to accomplish the foregoing, a total of 58.56 acre-feet of water was transferred from the CAA Colorado Upstream Consumable subaccount into the AGRA Upstream Consumable subaccount account. A daily accounting sheet for John Martin Reservoir for March 25, 2023 is included in Enclosure 1.

June 1, 2023 through June 19, 2023 delivery:

CAA delivered **58.26 acre-feet** of consumable water to the CAA Upstream Consumable subaccount generated from Catlin shares changed in 12CW94.

In order to accomplish the foregoing, a total of **62.78 acre-feet** of consumable water was released from Lake Meredith beginning on June 1, 2023 at a rate of 1.89 cfs. The computed transit loss for the release from Lake Meredith to John Martin was 7.2%. The inflows were stored in the CAA Upstream Consumable subaccount. The original notice stated the release would last until June 30, 2023, but operations changed during the course of the release and it was cut short.

Details of this delivery are included in Enclosure 2.



July 14, 2023 through July 20, 2023 delivery:

CAA delivered **73.36 acre-feet** of consumable water to the CAA Upstream Consumable subaccount generated from Catlin shares changed in 12CW94.

In order to accomplish the foregoing, a total of **79.83 acre-feet** of consumable water was released from Lake Meredith beginning on July 14, 2023 at a rate of 5.75 cfs. The computed transit loss for the release from Lake Meredith to John Martin was 8.1%. The inflows were stored in the CAA Upstream Consumable subaccount, with the 5% storage charge being assessed on a daily basis. The total storage charge for this delivery was 3.67 acre-feet.

Details of this delivery are included in Enclosure 3.

Summary

This letter summarizes the transfer out of the Offset Account for CAA through June 17, 2023. The total amount of water transferred within the Offset Account was 58.56 acre-feet. The total consumable water delivered to the Offset Account was 58.26 acre-feet.

Please contact me if you have any questions or require additional information.

Sincerely,



Rachel A. Zancanella, P.E.
Division Engineer
Water Division 2
Colorado Division of Water Resources

2 Enclosure

cc:	Kevin Salter	Rachel Duran	Dale Book	Kent Ricken
	Ivan Walter	Daniel Tucker	Dan Steuer	Bethany Arnold
	Brian Lenherr	Lonnie Spady	Lori Marchando	Christine Sednek

Enclosure 1

Daily Accounting for John Martin Reservoir on March 25, 2023

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Multi-PurposeAccount								
Consumable								
Kansas Charge	3/25/2023	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Catlin LAVWCD Pilot Project	3/25/2023	0.05	0.00	0.00	0.00	0.00	0.00	0.05
Catlin LAVWCD Pilot Project - CSU	3/25/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	3/25/2023	84.38	0.00	0.00	0.00	0.00	0.08	84.30
CAA	3/25/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWSA	3/25/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LAWMA	3/25/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow								
Catlin LAVWCD Pilot Project	3/25/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project - CSU	3/25/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	3/25/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	3/25/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWSA	3/25/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LAWMA	3/25/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multi-PurposeAccount	Totals:	84.44	0.00	0.00	0.00	0.00	0.08	84.36

Reservoir	Totals:	37,816.00	99.77	58.44	58.44	0.00	37.77	37,878.00
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Colorado Article II Summary								
Keesee	3/25/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ft Bent	3/25/2023	272.84	0.00	0.00	0.00	0.00	0.27	272.57
Amity	3/25/2023	1,406.50	0.00	0.00	0.00	0.00	1.40	1,405.10
Lamar	3/25/2023	571.15	0.00	0.00	0.00	0.00	0.57	570.58
Hyde	3/25/2023	35.54	0.00	0.00	0.00	0.00	0.04	35.50
X-Y	3/25/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Buffalo	3/25/2023	454.85	0.00	0.00	0.00	0.00	0.45	454.40
Sisson	3/25/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stubbs	3/25/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manvel	3/25/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Colorado Article II	Totals:	2,740.88	0.00	0.00	0.00	0.00	2.73	2,738.15

Enclosure 2

Delivery Details: AGRA from Lake Meredith
June 1, 2023 through June 19, 2023

John Martin Reservoir WY 2023			
Label 1			CAA
Label 2			Meredith Reservoir
			Acct 75
Label 3			Offset Consumable Upstream
Date	Day	YrMo	th Reservoir Offset Consumabl ▾
5/30/2023 0:00:00	Tue	202305	
5/31/2023 0:00:00	Wed	202305	
6/1/2023 0:00:00	Thu	202306	
6/2/2023 0:00:00	Fri	202306	0.14
6/3/2023 0:00:00	Sat	202306	3.48
6/4/2023 0:00:00	Sun	202306	3.48
6/5/2023 0:00:00	Mon	202306	3.48
6/6/2023 0:00:00	Tue	202306	3.48
6/7/2023 0:00:00	Wed	202306	3.48
6/8/2023 0:00:00	Thu	202306	3.48
6/9/2023 0:00:00	Fri	202306	3.48
6/10/2023 0:00:00	Sat	202306	3.48
6/11/2023 0:00:00	Sun	202306	3.48
6/12/2023 0:00:00	Mon	202306	3.48
6/13/2023 0:00:00	Tue	202306	3.48
6/14/2023 0:00:00	Wed	202306	3.48
6/15/2023 0:00:00	Thu	202306	3.48
6/16/2023 0:00:00	Fri	202306	3.48
6/17/2023 0:00:00	Sat	202306	3.48
6/18/2023 0:00:00	Sun	202306	3.48
6/19/2023 0:00:00	Mon	202306	2.44
6/20/2023 0:00:00	Tue	202306	

Enclosure 3

Delivery Details: AGRA from Lake Meredith
July 14, 2023 through July 20, 2023

	A	B	C	AR
1	John Martin Reservoir WY			
2	2023			
3				
4	Label 1			CAA
5	Label 2			Meredith Reservoir
6				
7				Acct 75
8	Label 3			Offset Consumable Upstream
9	Date	Day	YrMo	ith Reservoir Offset Consumabl ▾
259	7/8/2023 0:00:00	Sat	202307	
260	7/9/2023 0:00:00	Sun	202307	
261	7/10/2023 0:00:00	Mon	202307	
262	7/11/2023 0:00:00	Tue	202307	
263	7/12/2023 0:00:00	Wed	202307	
264	7/13/2023 0:00:00	Thu	202307	
265	7/14/2023 0:00:00	Fri	202307	10.48
266	7/15/2023 0:00:00	Sat	202307	10.48
267	7/16/2023 0:00:00	Sun	202307	10.48
268	7/17/2023 0:00:00	Mon	202307	10.48
269	7/18/2023 0:00:00	Tue	202307	10.48
270	7/19/2023 0:00:00	Wed	202307	10.48
271	7/20/2023 0:00:00	Thu	202307	10.48
272	7/21/2023 0:00:00	Fri	202307	
273	7/22/2023 0:00:00	Sat	202307	
274	7/23/2023 0:00:00	Sun	202307	
275	7/24/2023 0:00:00	Mon	202307	
276	7/25/2023 0:00:00	Tue	202307	



November 1, 2023

Earl D. Lewis, Jr. Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502

Subject: Notice of Transfer to the Offset Account in John Martin Reservoir - Kansas Charge

Dear Mr. Lewis,

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”) for each delivery or transfer conducted during 2023 in detail following the initial notice for each transaction originally sent to Kansas.

July 1, 2023 transfer:

The Lower Arkansas Water Management Association (LAWMA) transferred **1,735.92 acre-feet** of consumable water to the Colorado Downstream Consumable subaccount to replace depletions to the Stateline as estimated by the Colorado monthly accounting.

In order to accomplish the foregoing, a total of **1,735.92 acre-feet** of consumable water was transferred from the Colorado Downstream subaccount to the Kansas Consumable subaccount.

A daily accounting sheet for John Martin Reservoir for July 1, 2023 is included in Enclosure 1.

June, 29 2023 through July 6, 2023 delivery:

LAWMA delivered **2,927.30 acre-feet** of consumable water to the Colorado Downstream Consumable subaccount.

In order to accomplish the foregoing, a total of **3078.12 acre-feet** of consumable water was released from Lake Meredith from Colorado Springs Utilities (CS-U) beginning on June 29, 2023 at 9:30 hours at a rate of 517.29 cfs and ended on July 1, 2023 at 9:30 hours . The computed transit loss for the release from Lake Meredith to John Martin was 4.9%. The inflows were stored in the Colorado Downstream Consumable account.

Details of this delivery are included in Enclosure 2.



July 18, 2023 transfer:

LAWMA transferred **1,134.66 acre-feet** of consumable water to the Colorado Downstream Consumable subaccount on July 18, 2023. The total was broken into the following components:

- Colorado Downstream Consumable subaccount received 1,134.66 acre-feet.
- The Return Flow Transit Loss Subaccount received 59.62 acre-feet.
- The Return Flow Subaccount received 642.78 acre-feet.

This transfer was charged a 5% storage charge that totaled 91.85 acre-feet. In order to accomplish the foregoing, a total of **1,863.14 acre-feet** of water was transferred from LAWMA's X-Y Article II account. A daily accounting sheet for John Martin Reservoir for July 18, 2023 is included in Enclosure 3.

July 19, 2023 transfer:

LAWMA transferred **539.37 acre-feet** of consumable water to the Colorado Downstream Consumable subaccount on July 19, 2023. The total was broken into the following components:

- Colorado Downstream Consumable subaccount received 539.37 acre-feet.
- The Return Flow Transit Loss Subaccount received 4.19 acre-feet.
- The Return Flow Subaccount received 77.18 acre-feet.

This transfer was charged a 5% storage charge that totaled 31.04 acre-feet. In order to accomplish the foregoing, a total of **838.83 acre-feet** of water was transferred from LAWMA's Keesee Article II account. A daily accounting sheet for John Martin Reservoir for July 19, 2023 is included in Enclosure 4.

September 8, 2023 through September 13, 2023 delivery:

LAWMA delivered **604.17 acre-feet** of consumable water to the Kansas Charge subaccount to pre-fund the 500 acre-foot storage charge for 2024.

In order to accomplish the foregoing, a total of **700 acre-feet** of consumable water was released from Lake Meredith from Colorado Springs Utilities (CS-U) beginning on September 8, 2023 at 12:00 hours at a rate of 100.83 cfs and ended on July 12, 2023 at 0:00 hours . The computed transit loss for the release from Lake Meredith to John Martin was 13.69%. The inflows were stored in the Kansas Charge account.

Details of this delivery are included in Enclosure 5.

Summary

This letter summarizes the deliveries to the Offset Account for LAWMA through September 13, 2023. The total amount of water delivered to the Offset Account on the above dates was 6,189.27 acre-feet. The total transferred within the Offset Account on the above dates was 1,858.81 acre-feet, including the 5% storage charge for stored water. Total consumable water delivered was 5,205.50 acre-feet. The Total Return Flow water delivered was 719.96 acre-feet and the Return Flow Transit Loss subaccount total was 63.81 acre-feet.

Please contact me if you have any questions or require additional information.

Sincerely,



Rachel A. Zancanella, P.E.
Division Engineer
Water Division 2
Colorado Division of Water Resources

3 Enclosure

cc:	Kevin Salter	Rachel Duran	Dale Book	Roy Cue
	Randy Hendrix	Ayrton Hendrix	Dan Steuer	Bethany Arnold
	Brian Lenherr	Lonnie Spady	Bill Tyner	Noah Friesen

Enclosure 1

Daily Accounting for John Martin Reservoir for July 1, 2023

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Multi-PurposeAcco								
Consumable								
Kansas Charge	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project	7/1/2023	1.36	0.00	0.00	0.00	0.00	0.00	1.36
Catlin LAVWCD Pilot Project - CS	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWS	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LAWMA	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow								
Catlin LAVWCD Pilot Project	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project - CS	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWS	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LAWMA	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multi-PurposeAcco	Totals:	1.36	0.00	0.00	0.00	0.00	0.00	1.36

Reservoir	Totals:	77,917.00	1,248.16	2,639.70	2,639.70	0.00	84.16	79,081.00
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Colorado Article II Summary								
Keesee	7/1/2023	771.18	0.00	14.35	0.00	0.00	0.83	784.70
Ft Bent	7/1/2023	3,012.26	0.00	61.81	0.00	0.00	3.25	3,070.82
Amity	7/1/2023	6,690.95	0.00	235.29	0.00	0.00	7.23	6,919.01
Lamar	7/1/2023	5,443.60	0.00	123.62	0.00	0.00	5.88	5,561.34
Hyde	7/1/2023	330.96	0.00	8.11	0.00	0.00	0.36	338.71
X-Y	7/1/2023	1,710.66	0.00	31.84	0.00	0.00	1.84	1,740.66
Buffalo	7/1/2023	3,250.84	0.00	53.06	0.00	0.00	3.51	3,300.39
Sisson	7/1/2023	329.00	0.00	5.38	0.00	0.00	0.35	334.03
Stubbs	7/1/2023	86.47	0.00	2.12	0.00	0.00	0.09	88.50
Manvel	7/1/2023	829.11	0.00	14.98	0.00	0.00	0.89	843.20
Colorado Article II	Totals:	22,455.03	0.00	550.56	0.00	0.00	24.23	22,981.36

Enclosure 2

Delivery Details: LAWMA from Colorado Springs Utilities
June 29, 2023 through July 6, 2023

	A	B	C	Y	Z
1	John Martin Reservoir WY 2023				
2					
3					
4	Label 1			Offset Consumable Downstream	LAWMA_Aurora Aurora
5	Label 2				
6					
7					
8	Label 3				Offset Storage (DOWNSTR)
9	Date	Day	YrMo	Offset Consumable Downstream	Aurora Aurora Offset Storage (D
240	6/19/2023 0:00:00	Mon	202306		
241	6/20/2023 0:00:00	Tue	202306		
242	6/21/2023 0:00:00	Wed	202306		
243	6/22/2023 0:00:00	Thu	202306		
244	6/23/2023 0:00:00	Fri	202306		
245	6/24/2023 0:00:00	Sat	202306		
246	6/25/2023 0:00:00	Sun	202306		
247	6/26/2023 0:00:00	Mon	202306		
248	6/27/2023 0:00:00	Tue	202306		
249	6/28/2023 0:00:00	Wed	202306		
250	6/29/2023 0:00:00	Thu	202306		
251	6/30/2023 0:00:00	Fri	202306		
252	7/1/2023 0:00:00	Sat	202307		
253	7/2/2023 0:00:00	Sun	202307	101.65	Del from Meredith. 517.29 cfs started 930am 6/29. 4.9% TL, 3 day del time. 3 days.
254	7/3/2023 0:00:00	Mon	202307	975.76	
255	7/4/2023 0:00:00	Tue	202307	925.45	
256	7/5/2023 0:00:00	Wed	202307	664.69	
257	7/6/2023 0:00:00	Thu	202307	259.75	
258	7/7/2023 0:00:00	Fri	202307		
259	7/8/2023 0:00:00	Sat	202307		
260	7/9/2023 0:00:00	Sun	202307		
261	7/10/2023 0:00:00	Mon	202307		
262	7/11/2023 0:00:00	Tue	202307		

Enclosure 3

Daily Accounting for John Martin Reservoir for July 18, 2023

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Multi-PurposeAcco								
Consumable								
Kansas Charge	7/18/2023	0.21	0.00	0.00	0.00	0.00	0.00	0.21
Catlin LAVWCD Pilot Project	7/18/2023	2.81	0.00	0.00	0.00	0.00	0.00	2.81
Catlin LAVWCD Pilot Project - CS	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWS	7/18/2023	2.11	0.00	0.00	0.00	0.00	0.00	2.11
LAWMA	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow								
Catlin LAVWCD Pilot Project	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project - CS	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWS	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LAWMA	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multi-PurposeAcco	Totals:	5.13	0.00	0.00	0.00	0.00	0.00	5.13

Reservoir	Totals:	100,697.63	117.84	1,960.88	1,960.88	1,328.95	136.17	99,350.34
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Colorado Article II Summary								
Keesee	7/18/2023	1,022.49	0.00	0.00	0.00	0.00	1.39	1,021.10
Ft Bent	7/18/2023	4,034.63	0.00	0.00	0.00	0.00	5.45	4,029.18
Amity	7/18/2023	10,366.70	0.00	0.00	0.00	0.00	14.02	10,352.68
Lamar	7/18/2023	7,211.13	0.00	0.00	0.00	0.00	9.75	7,201.38
Hyde	7/18/2023	475.13	0.00	0.00	0.00	0.00	0.64	474.49
X-Y	7/18/2023	2,268.28	0.00	0.00	1,863.14	0.00	2.90	402.24
Buffalo	7/18/2023	4,171.90	0.00	26.08	0.00	0.00	5.64	4,192.34
Sisson	7/18/2023	422.41	0.00	0.00	0.00	0.00	0.57	421.84
Stubbs	7/18/2023	124.17	0.00	0.00	0.00	0.00	0.17	124.00
Manvel	7/18/2023	1,090.95	0.00	0.00	0.00	0.00	1.48	1,089.47
Colorado Article II	Totals:	31,187.79	0.00	26.08	1,863.14	0.00	42.01	29,308.72

Enclosure 4

Daily Accounting for John Martin Reservoir on July 19, 2023

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Multi-PurposeAccto								
Consumable								
Kansas Charge	7/19/2023	0.21	0.00	0.00	0.00	0.00	0.00	0.21
Catlin LAVWCD Pilot Project	7/19/2023	2.81	0.00	0.00	0.00	0.00	0.00	2.81
Catlin LAVWCD Pilot Project - CS	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWS	7/19/2023	2.11	0.00	0.00	0.00	0.00	0.00	2.11
LAWMA	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow								
Catlin LAVWCD Pilot Project	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project - CS	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWS	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LAWMA	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multi-PurposeAccto	Totals:	5.13	0.00	0.00	0.00	0.00	0.00	5.13

Reservoir	Totals:	99,350.34	64.91	873.11	873.11	1,328.95	119.10	97,967.20
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Colorado Article II Summary								
Keesee	7/19/2023	1,021.10	0.00	0.00	838.83	0.00	1.13	181.14
Ft Bent	7/19/2023	4,029.18	0.00	25.16	0.00	0.00	4.83	4,049.51
Amity	7/19/2023	10,352.68	0.00	123.31	0.00	0.00	12.41	10,463.58
Lamar	7/19/2023	7,201.38	0.00	69.62	0.00	0.00	8.64	7,262.36
Hyde	7/19/2023	474.49	0.00	0.00	0.00	0.00	0.57	473.92
X-Y	7/19/2023	402.24	0.00	0.00	0.00	0.00	0.48	401.76
Buffalo	7/19/2023	4,192.34	0.00	0.00	0.00	0.00	5.02	4,187.32
Sisson	7/19/2023	421.84	0.00	0.00	0.00	0.00	0.50	421.34
Stubbs	7/19/2023	124.00	0.00	0.00	0.00	0.00	0.15	123.85
Manvel	7/19/2023	1,089.47	0.00	0.00	0.00	0.00	1.31	1,088.16
Colorado Article II	Totals:	29,308.72	0.00	218.09	838.83	0.00	35.04	28,652.94

Enclosure 5

Delivery Details: LAWMA from Colorado Springs Utilities
September 8, 2023 through September 13, 2023

	A	B	C	V
1	John Martin Reservoir WY			55
2	2023			
3				
4	Label 1			Kansas
5	Label 2			Storage Charge Subaccount
6				
7				
8	Label 3			
9	Date	Day	YrMo	as Storage Charge Subacc ▾ r
316	9/3/2023 0:00:00	Sun	202309	
317	9/4/2023 0:00:00	Mon	202309	
318	9/5/2023 0:00:00	Tue	202309	
319	9/6/2023 0:00:00	Wed	202309	
320	9/7/2023 0:00:00	Thu	202309	
321	9/8/2023 0:00:00	Fri	202309	
322	9/9/2023 0:00:00	Sat	202309	
323	9/10/2023 0:00:00	Sun	202309	86.31
324	9/11/2023 0:00:00	Mon	202309	172.62
325	9/12/2023 0:00:00	Tue	202309	172.62
326	9/13/2023 0:00:00	Wed	202309	172.62
327	9/14/2023 0:00:00	Thu	202309	
328	9/15/2023 0:00:00	Fri	202309	
329	9/16/2023 0:00:00	Sat	202309	



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

November 20, 2023

Mr. Earl D. Lewis Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Subject: Notice of Release of Offset Account Water from John Martin Reservoir

Dear Mr. Lewis:

The purpose of this letter is to provide accounting for a release of water from the Offset Account in John Martin Reservoir for delivery to the Stateline as called for by the Kansas Chief Engineer in accordance with the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”), the **Stipulation Re Offset Account in John Martin Reservoir** dated March 17, 1997 (“Stipulation”) and the **Agreement Concerning the Offset Account in John Martin Reservoir for Colorado Pumping**, dated September 2005.

Staff for the Kansas Chief Engineer requested an initial release of water from the Offset Account beginning on July 17 at the rate of 400 cfs out of the Offset Account (This was part of a combined release with Section II water being released at the same time at 150 cfs). The overall release began initially on July 17, 2023 as a release of Kansas Charge subaccount water only. The Offset Account portion of the release began at approximately 12:00 hours, July 17, 2023 and ended at approximately 10:00 hours on August 10, 2023. The release rate was decreased from 400 cfs to 100 cfs on July 26, 2023, then increased to 125 cfs on July 28, 2023. Transit losses on the release of water from the Offset Account were determined using the procedure described in the **Agreement Concerning the Offset Account in John Martin Reservoir for Colorado Pumping**, dated September 2005.

Enclosure 1 shows the credit at the Stateline for the delivery of the fully consumable water released from the Offset Account. The credit was determined in accordance with the **Agreement Concerning the Offset Account in John Martin Reservoir for Colorado Pumping** and was 6,556 acre-feet of consumable water at the stateline.



Enclosure 2 shows the quantities of water that were in the various subaccounts of the Offset Account prior to the initiation of the releases, during the releases, and following the release of all water from the account.

These results have been fully confirmed by Kansas staff.

Please contact me if you have any questions or require additional information.

Sincerely,

A handwritten signature in blue ink that reads "Rachel A. Zancanella". The signature is fluid and cursive, with the first name being the most prominent.

Rachel A. Zancanella, P.E.
Division Engineer
Water Division 2
Colorado Division of Water Resources

2 Enclosures

Ec:	Kevin Salter	Rachel Duran	Dale Book	Dan Steuer
	Randy Hendrix	Ayrton Hendrix	Lonnie Spady	Noah Friesen
	Bethany Arnold	Christine Sednek	Kelley Thompson	

Enclosure 1
Kansas Release Crediting Spreadsheet

Enclosure 2
Summary Offset Accounting

Offset Account

July 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6445.12							297.86							20.44
1	137.17	1735.92	1735.92	0.00	6.97	6575.32	1	0.00	0.00	0.00	0.00	0.33	297.53	1	0.00	1735.92	0.00	0.00	0.02	1756.34
2	246.11	0.00	0.00	0.00	7.34	6814.09	2	0.00	0.00	0.00	0.00	0.33	297.20	2	0.00	0.00	0.00	0.00	1.96	1754.38
3	1118.65	0.00	0.00	0.00	4.93	7927.81	3	0.00	0.00	0.00	0.00	0.22	296.98	3	0.00	0.00	0.00	0.00	1.27	1753.11
4	1074.75	0.00	0.00	0.00	5.70	8996.86	4	0.00	0.00	0.00	0.00	0.22	296.76	4	0.00	0.00	0.00	0.00	1.26	1751.85
5	789.29	0.00	0.00	0.00	0.93	9785.22	5	0.00	0.00	0.00	0.00	0.03	296.73	5	0.00	0.00	0.00	0.00	0.18	1751.67
6	374.22	0.00	0.00	0.00	2.00	10157.44	6	0.00	0.00	0.00	0.00	0.06	296.67	6	0.00	0.00	0.00	0.00	0.36	1751.31
7	122.03	0.00	0.00	0.00	18.92	10260.55	7	0.00	0.00	0.00	0.00	0.55	296.12	7	0.00	0.00	0.00	0.00	3.26	1748.05
8	155.52	0.00	0.00	0.00	18.78	10397.29	8	0.00	0.00	0.00	0.00	0.55	295.57	8	0.00	0.00	0.00	0.00	3.20	1744.85
9	153.04	0.00	0.00	0.00	18.90	10531.43	9	0.00	0.00	0.00	0.00	0.54	295.03	9	0.00	0.00	0.00	0.00	3.17	1741.68
10	159.06	0.00	0.00	0.00	23.94	10666.55	10	0.00	0.00	0.00	0.00	0.67	294.36	10	0.00	0.00	0.00	0.00	3.96	1737.72
11	153.75	0.00	0.00	0.00	13.01	10807.29	11	0.00	0.00	0.00	0.00	0.36	294.00	11	0.00	0.00	0.00	0.00	2.12	1735.60
12	139.68	0.00	0.00	0.00	19.31	10927.66	12	0.00	0.00	0.00	0.00	0.53	293.47	12	0.00	0.00	0.00	0.00	3.10	1732.50
13	126.04	2.29	2.29	0.00	6.59	11047.11	13	0.00	0.00	0.00	0.00	0.17	293.30	13	0.00	0.00	0.00	0.00	1.05	1731.45
14	162.32	8.11	8.11	0.00	13.68	11195.75	14	10.48	0.00	0.52	0.00	0.37	302.89	14	0.00	0.00	0.00	0.00	2.14	1729.31
15	120.99	6.05	6.05	0.00	13.88	11302.86	15	10.48	0.00	0.52	0.00	0.38	312.47	15	0.00	0.00	0.00	0.00	2.14	1727.17
16	83.17	4.15	4.15	0.00	13.99	11372.04	16	10.48	0.00	0.52	0.00	0.39	322.04	16	0.00	0.00	0.00	0.00	2.14	1725.03
17	157.97	7.89	7.89	396.70	17.93	11115.38	17	10.48	0.00	0.52	0.00	0.51	331.49	17	0.00	0.00	0.00	396.70	2.72	1325.61
18	117.84	1934.80	97.74	793.40	15.02	12261.86	18	10.48	0.00	0.52	0.00	0.45	341.00	18	0.00	0.00	0.00	793.40	1.79	530.42
19	64.91	655.02	34.28	793.40	14.71	12139.40	19	10.48	0.00	0.52	0.00	0.41	350.55	19	0.00	0.00	0.00	529.78	0.64	0.00
20	52.09	2.60	2.60	793.40	23.54	11374.55	20	10.48	0.00	0.52	0.00	0.68	359.83	20	0.00	0.00	0.00	0.00	0.00	0.00
21	98.84	4.94	4.94	793.40	13.64	10666.35	21	0.00	0.00	0.00	0.00	0.44	359.39	21	0.00	0.00	0.00	0.00	0.00	0.00
22	104.55	5.23	5.23	793.40	12.76	9964.74	22	0.00	0.00	0.00	0.00	0.44	358.95	22	0.00	0.00	0.00	0.00	0.00	0.00
23	106.53	5.33	5.33	793.40	11.61	9266.26	23	0.00	0.00	0.00	0.00	0.41	358.54	23	0.00	0.00	0.00	0.00	0.00	0.00
24	19.78	0.99	0.99	793.40	18.02	8474.62	24	0.00	0.00	0.00	0.00	0.70	357.84	24	0.00	0.00	0.00	0.00	0.00	0.00
25	17.19	0.86	0.86	793.40	13.31	7685.10	25	0.00	0.00	0.00	0.00	0.56	357.28	25	0.00	0.00	0.00	0.00	0.00	0.00
26	23.88	1.19	1.19	198.02	10.65	7500.31	26	0.00	0.00	0.00	0.00	0.49	356.79	26	0.00	0.00	0.00	0.00	0.00	0.00
27	45.48	2.27	2.27	198.68	11.67	7335.44	27	0.00	0.00	0.00	0.00	0.56	356.23	27	0.00	0.00	0.00	0.00	0.00	0.00
28	43.72	2.19	2.19	229.34	11.00	7138.82	28	0.00	0.00	0.00	0.00	0.54	355.69	28	0.00	0.00	0.00	0.00	0.00	0.00
29	34.34	1.72	1.72	247.93	10.76	6914.47	29	0.00	0.00	0.00	0.00	0.54	355.15	29	0.00	0.00	0.00	0.00	0.00	0.00
30	34.77	1.74	1.74	247.93	10.27	6691.04	30	0.00	0.00	0.00	0.00	0.53	354.62	30	0.00	0.00	0.00	0.00	0.00	0.00
31	28.32	1.42	1.42	247.93	7.40	6464.03	31	0.00	0.00	0.00	0.00	0.39	354.23	31	0.00	0.00	0.00	0.00	0.00	0.00
	6066.00	4384.71	1926.91	8113.73	391.16			73.36	0.00	3.64	0.00	13.35			0.00	1735.92	0.00	1719.88	36.48	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6118.92							5356.15							444.47
1	137.17	1735.92	1735.92	0.00	6.62	6249.47	1	137.17	0.00	1735.92	0.00	5.79	3751.61	1	0.00	0.00	0.00	0.00	0.48	443.99
2	246.11	0.00	0.00	0.00	6.98	6488.60	2	246.11	0.00	0.00	0.00	4.19	3993.53	2	0.00	0.00	0.00	0.00	0.50	443.49
3	1118.65	0.00	0.00	0.00	4.69	7602.56	3	1118.65	0.00	0.00	0.00	2.88	5109.30	3	0.00	0.00	0.00	0.00	0.32	443.17
4	1074.75	0.00	0.00	0.00	5.46	8671.85	4	1074.75	0.00	0.00	0.00	3.66	6180.39	4	0.00	0.00	0.00	0.00	0.32	442.85
5	789.29	0.00	0.00	0.00	0.89	9460.25	5	789.29	0.00	0.00	0.00	0.63	6969.05	5	0.00	0.00	0.00	0.00	0.05	442.80
6	374.22	0.00	0.00	0.00	1.94	9832.53	6	374.22	0.00	0.00	0.00	1.43	7341.84	6	0.00	0.00	0.00	0.00	0.09	442.71
7	122.03	0.00	0.00	0.00	18.32	9936.24	7	122.03	0.00	0.00	0.00	13.68	7450.19	7	0.00	0.00	0.00	0.00	0.83	441.88
8	155.52	0.00	0.00	0.00	18.19	10073.57	8	155.52	0.00	0.00	0.00	13.63	7592.08	8	0.00	0.00	0.00	0.00	0.81	441.07
9	153.04	0.00	0.00	0.00	18.31	10208.30	9	153.04	0.00	0.00	0.00	13.80	7731.32	9	0.00	0.00	0.00	0.00	0.80	440.27
10	159.06	0.00	0.00	0.00	23.20	10344.16	10	159.06	0.00	0.00	0.00	17.57	7872.81	10	0.00	0.00	0.00	0.00	1.00	439.27
11	153.75	0.00	0.00	0.00	12.62	10485.29	11	153.75	0.00	0.00	0.00	9.60	8016.96	11	0.00	0.00	0.00	0.00	0.54	438.73
12	139.68	0.00	0.00	0.00	18.73	10606.24	12	139.68	0.00	0.00	0.00	14.32	8142.32	12	0.00	0.00	0.00	0.00	0.78	437.95
13	126.04	2.29	2.29	0.00	6.40	10725.88	13	126.04	0.00	2.29	0.00	4.92	8261.15	13	0.00	2.29	0.00	0.00	0.26	439.98
14	162.32	8.11	8.11	0.00	13.28	10874.92	14	151.84	0.00	7.59	0.00	10.23	8395.17	14	0.00	8.11	0.00	0.00	0.54	447.55
15	120.99	6.05	6.05	0.00	13.48	10982.43	15	110.51	0.00	5.53	0.00	10.40	8489.75	15	0.00	6.05	0.00	0.00	0.56	453.04
16	83.17	4.15	4.15	0.00	13.59	11052.01	16	72.69	0.00	3.63	0.00	10.49	8548.32	16	0.00	4.15	0.00	0.00	0.57	456.62
17	157.97	7.89	7.89	396.70	17.43	10795.85	17	147.49	0.00	7.37	0.00	13.47	8674.97	17	0.00	7.89	0.00	0.00	0.73	463.78
18	117.84	1232.40	97.74	793.40	14.59	11240.36	18	107.36	1134.66	97.22	0.00	11.73	9808.04	18	0.00	97.74	0.00	0.00	0.62	560.90
19	64.91	573.65	34.28	793.40	13.48	11037.75	19	54.43	539.37	33.76	0.00	11.75	10356.33	19	0.00	34.28	0.00	263.62	0.68	330.88
20	52.09	2.60	2.60	329.62	21.40	10738.82	20	41.61	0.00	2.08	0.00	20.08	10375.78	20	0.00	2.60	0.00	329.62	0.64	3.22
21	98.84	4.94	4.94	158.44	12.88	10666.34	21	98.84	0.00	4.94	150.28	12.44	10306.96	21	0.00	4.94	0.00	8.16	0.00	0.00
22	104.55	5.23	5.23	793.40	12.76	9964.73	22	104.55	0.00	5.23	788.17	12.32	9605.79	22	0.00	5.23	0.00	5.23	0.00	0.00
23	106.53	5.33	5.33	793.40	11.61	9266.26	23	106.53	0.00	5.33	788.07	11.20	8907.71	23	0.00	5.33	0.00	5.33	0.00	0.00
24	19.78	0.99	0.99	793.40	18.02	8474.61	24	19.78	0.00	0.99	792.41	17.31	8116.78	24	0.00	0.99	0.00	0.99	0.01	-0.01
25	17.19	0.86	0.86	793.40	13.31	7685.09	25	17.19												

Offset Account

August 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6464.03							354.23							0.00
1	23.70	1.19	1.19	247.93	6.80	6233.00	1	0.00	0.00	0.00	0.00	0.38	353.85	1	0.00	0.00	0.00	0.00	0.00	0.00
2	59.12	2.96	2.96	247.93	11.38	6032.81	2	0.00	0.00	0.00	0.00	0.65	353.20	2	0.00	0.00	0.00	0.00	0.00	0.00
3	55.07	2.75	2.75	247.93	7.46	5832.49	3	0.00	0.00	0.00	0.00	0.44	352.76	3	0.00	0.00	0.00	0.00	0.00	0.00
4	52.92	2.65	2.65	247.93	8.43	5629.05	4	0.00	0.00	0.00	0.00	0.51	352.25	4	0.00	0.00	0.00	0.00	0.00	0.00
5	40.52	2.03	2.03	247.93	8.19	5413.45	5	0.00	0.00	0.00	0.00	0.51	351.74	5	0.00	0.00	0.00	0.00	0.00	0.00
6	24.83	1.24	1.24	247.93	7.94	5182.41	6	0.00	0.00	0.00	0.00	0.52	351.22	6	0.00	0.00	0.00	0.00	0.00	0.00
7	27.42	1.37	1.37	247.93	6.23	4955.67	7	0.00	0.00	0.00	0.00	0.42	350.80	7	0.00	0.00	0.00	0.00	0.00	0.00
8	36.38	1.82	1.82	247.93	2.57	4741.55	8	0.00	0.00	0.00	0.00	0.18	350.62	8	0.00	0.00	0.00	0.00	0.00	0.00
9	46.33	2.32	2.32	247.93	3.66	4536.29	9	0.00	0.00	0.00	0.00	0.27	350.35	9	0.00	0.00	0.00	0.00	0.00	0.00
10	40.27	2.01	2.01	247.93	8.54	4320.09	10	0.00	0.00	0.00	0.00	0.65	349.70	10	0.00	0.00	0.00	0.00	0.00	0.00
11	20.32	1.02	2.04	0.00	7.62	4331.77	11	0.00	0.00	0.00	0.00	0.62	349.08	11	0.00	0.00	0.00	0.00	0.00	0.00
12	19.29	0.96	1.92	0.00	7.71	4342.39	12	0.00	0.00	0.00	0.00	0.62	348.46	12	0.00	0.00	0.00	0.00	0.00	0.00
13	18.91	0.95	1.90	0.00	7.80	4352.55	13	0.00	0.00	0.00	0.00	0.62	347.84	13	0.00	0.00	0.00	0.00	0.00	0.00
14	18.72	0.94	1.88	0.00	2.73	4367.60	14	0.00	0.00	0.00	0.00	0.21	347.63	14	0.00	0.00	0.00	0.00	0.00	0.00
15	17.33	0.87	1.74	0.00	3.12	4380.94	15	0.00	0.00	0.00	0.00	0.24	347.39	15	0.00	0.00	0.00	0.00	0.00	0.00
16	29.70	1.49	2.98	0.00	9.61	4399.54	16	0.00	0.00	0.00	0.00	0.76	346.63	16	0.00	0.00	0.00	0.00	0.00	0.00
17	42.74	2.14	4.28	0.00	8.28	4431.86	17	0.00	0.00	0.00	0.00	0.65	345.98	17	0.00	0.00	0.00	0.00	0.00	0.00
18	39.68	1.98	3.96	0.00	11.34	4458.21	18	0.00	0.00	0.00	0.00	0.89	345.09	18	0.00	0.00	0.00	0.00	0.00	0.00
19	44.96	2.25	4.50	0.00	11.81	4489.12	19	0.00	0.00	0.00	0.00	0.92	344.17	19	0.00	0.00	0.00	0.00	0.00	0.00
20	45.31	2.27	4.54	0.00	12.13	4520.03	20	0.00	0.00	0.00	0.00	0.93	343.24	20	0.00	0.00	0.00	0.00	0.00	0.00
21	25.45	1.27	2.54	0.00	13.24	4530.97	21	0.00	0.00	0.00	0.00	1.00	342.24	21	0.00	0.00	0.00	0.00	0.00	0.00
22	15.59	0.78	1.56	0.00	11.66	4534.12	22	0.00	0.00	0.00	0.00	0.89	341.35	22	0.00	0.00	0.00	0.00	0.00	0.00
23	15.39	0.77	1.54	0.00	14.37	4534.37	23	0.00	0.00	0.00	0.00	1.08	340.27	23	0.00	0.00	0.00	0.00	0.00	0.00
24	14.90	0.74	1.48	0.00	13.50	4535.03	24	0.00	0.00	0.00	0.00	1.01	339.26	24	0.00	0.00	0.00	0.00	0.00	0.00
25	24.48	1.22	1.22	0.00	7.44	4552.07	25	0.00	0.00	0.00	0.00	0.56	338.70	25	0.00	0.00	0.00	0.00	0.00	0.00
26	30.46	1.52	1.52	0.00	7.54	4574.99	26	0.00	0.00	0.00	0.00	0.56	338.14	26	0.00	0.00	0.00	0.00	0.00	0.00
27	29.42	1.47	1.47	0.00	7.66	4596.75	27	0.00	0.00	0.00	0.00	0.56	337.58	27	0.00	0.00	0.00	0.00	0.00	0.00
28	57.84	2.89	2.89	0.00	8.26	4646.33	28	0.00	0.00	0.00	0.00	0.61	336.97	28	0.00	0.00	0.00	0.00	0.00	0.00
29	64.38	3.22	3.22	0.00	4.13	4706.57	29	0.00	0.00	0.00	0.00	0.30	336.67	29	0.00	0.00	0.00	0.00	0.00	0.00
30	49.06	2.45	2.45	0.00	9.62	4746.01	30	0.00	0.00	0.00	0.00	0.68	335.99	30	0.00	0.00	0.00	0.00	0.00	0.00
31	38.70	1.94	1.94	0.00	12.73	4771.99	31	0.00	0.00	0.00	0.00	0.90	335.09	31	0.00	0.00	0.00	0.00	0.00	0.00
1069.19	53.48	71.91	2479.30	263.50			0.00	0.00	0.00	0.00	0.00	19.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6464.02							6109.81							-0.02
1	23.70	1.19	1.19	247.93	6.80	6232.99	1	23.70	0.00	1.19	246.74	6.42	5879.16	1	0.00	1.19	0.00	1.19	0.00	-0.02
2	59.12	2.96	2.96	247.93	11.38	6032.80	2	59.12	0.00	2.96	244.97	10.72	5679.63	2	0.00	2.96	0.00	2.96	0.01	-0.03
3	55.07	2.75	2.75	247.93	7.46	5832.48	3	55.07	0.00	2.75	245.18	7.02	5479.75	3	0.00	2.75	0.00	2.75	0.00	-0.03
4	52.92	2.65	2.65	247.93	8.43	5629.04	4	52.92	0.00	2.65	245.28	7.92	5276.82	4	0.00	2.65	0.00	2.65	0.00	-0.03
5	40.52	2.03	2.03	247.93	8.19	5413.44	5	40.52	0.00	2.03	245.90	7.68	5061.73	5	0.00	2.03	0.00	2.03	0.00	-0.03
6	24.83	1.24	1.24	247.93	7.94	5182.40	6	24.83	0.00	1.24	246.69	7.42	4831.21	6	0.00	1.24	0.00	1.24	0.00	-0.03
7	27.42	1.37	1.37	247.93	6.23	4955.66	7	27.42	0.00	1.37	246.56	5.81	4604.89	7	0.00	1.37	0.00	1.37	0.00	-0.03
8	36.38	1.82	1.82	247.93	2.57	4741.54	8	36.38	0.00	1.82	246.11	2.39	4390.95	8	0.00	1.82	0.00	1.82	0.00	-0.03
9	46.33	2.32	2.32	247.93	3.66	4536.28	9	46.33	0.00	2.32	245.61	3.39	4185.96	9	0.00	2.32	0.00	2.32	0.00	-0.03
10	40.27	2.01	2.01	247.93	8.54	4320.08	10	40.27	0.00	2.01	245.92	7.88	3970.42	10	0.00	2.01	0.00	2.01	0.01	-0.04
11	20.32	1.02	2.04	0.00	7.62	4331.76	11	20.32	0.00	1.02	0.00	6.99	3982.73	11	0.00	1.02	1.02	0.00	0.01	-0.05
12	19.29	0.96	1.92	0.00	7.71	4342.38	12	19.29	0.00	0.96	0.00	7.08	3993.98	12	0.00	0.96	0.96	0.00	0.01	-0.06
13	18.91	0.95	1.90	0.00	7.80	4352.54	13	18.91	0.00	0.95	0.00	7.17	4004.77	13	0.00	0.95	0.95	0.00	0.01	-0.07
14	18.72	0.94	1.88	0.00	2.73	4367.59	14	18.72	0.00	0.94	0.00	2.52	4020.03	14	0.00	0.94	0.94	0.00	0.00	-0.07
15	17.33	0.87	1.74	0.00	3.12	4380.93	15	17.33	0.00	0.87	0.00	2.88	4033.61	15	0.00	0.87	0.87	0.00	0.00	-0.07
16	29.70	1.49	2.98	0.00	9.61	4399.53	16	29.70	0.00	1.49	0.00	8.84	4052.98	16	0.00	1.49	1.49	0.00	0.01	-0.08
17	42.74	2.14	4.28	0.00	8.28	4431.85	17	42.74	0.00	2.14	0.00	7.62	4085.96	17	0.00	2.14	2.14	0.00	0.01	-0.09
18	39.68	1.98	3.96	0.00	11.34	4458.21	18	39.68	0.00	1.98	0.00	10.44	4113.22	18	0.00	1.98	1.98	0.00	0.01	-0.10
19	44.96	2.25	4.50	0.00	11.81	4489.11	19	44.96	0.00	2.25	0.00	10.88	4145.05	19	0.00	2.25	2.25	0.00	0.01	-0.11
20	45.31	2.27	4.54	0.00	12.13	4520.02	20	45.31	0.00	2.27	0.00	11.19	4176.90	20	0.00	2.27	2.27	0.00	0.01	-0.12
21	25.45	1.27	2.54	0.00	13.24	4530.96	21	25.45	0.00	1.27	0.00	12.23	4188.85	21	0.00	1.27	1.27	0.00	0.01	-0.13
22	15.59	0.78	1.56	0.00	11.66	4534.11	22	15.59	0.00	0.78	0.00	10.76	4192.91	22	0.00	0.78	0.78	0.00	0.01	-0.14
23	15.39	0.77	1.54	0.00	14.37	4534.36	23	15.39	0.00	0.77	0.00	13.28	4194.25	23	0.00	0.77	0.77	0.00	0.01	-0.15
24	14.90	0.74	1.48	0.00	13.50	4535.02	24	14.90	0.00	0.74	0.00	12.48	4195.93	24	0.00	0.74	0.74	0.00	0.01	-0.16
25	24.48	1.22	1.22	0.00	7.44	4552.06	25	24.48	0.00	1.22	0.00	6.87	4212.31	25	0.00	1.22	0.00	0.00	0.01	1.05
26	30.46	1.52	1.52	0.00	7.54	4574.98	26	30.46	0.00	1.52	0.00	6.97	4234.28	26	0.00	1.52	0.00	0.00	0.01	2.56
27	29.42	1.47	1.47	0.00	7.66	4596.74	27	29.42	0.00	1.47	0.00	7.09	4255.14	27	0.00	1.47	0.00	0.00	0.01	4.02
28	57.84	2.89	2.89	0.0																

Offset Account

August 2023

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							0.00							130.90
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.14	130.76
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.24	130.52
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.16	130.36
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.19	130.17
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.19	129.98
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.19	129.79
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.16	129.63
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.07	129.56
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.10	129.46
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.24	129.22
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.23	128.99
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.23	128.76
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.23	128.53
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.08	128.45
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.09	128.36
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.28	128.08
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.24	127.84
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.33	127.51
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.34	127.17
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.34	126.83
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.37	126.46
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.33	126.13
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.40	125.73
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.37	125.36
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.21	125.15
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.21	124.94
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.21	124.73
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.22	124.51
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.11	124.40
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.25	124.15
31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	0.33	123.82
	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	7.08	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							103.15							120.18
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.11	103.04	1	0.00	0.00	0.00	0.00	0.13	120.05
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.19	102.85	2	0.00	0.00	0.00	0.00	0.22	119.83
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.13	102.72	3	0.00	0.00	0.00	0.00	0.15	119.68
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.15	102.57	4	0.00	0.00	0.00	0.00	0.17	119.51
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.15	102.42	5	0.00	0.00	0.00	0.00	0.17	119.34
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.15	102.27	6	0.00	0.00	0.00	0.00	0.18	119.16
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.12	102.15	7	0.00	0.00	0.00	0.00	0.14	119.02
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.05	102.10	8	0.00	0.00	0.00	0.00	0.06	118.96
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.08	102.02	9	0.00	0.00	0.00	0.00	0.09	118.87
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.19	101.83	10	0.00	0.00	0.00	0.00	0.22	118.65
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.18	101.65	11	0.00	0.00	0.00	0.00	0.21	118.44
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.18	101.47	12	0.00	0.00	0.00	0.00	0.21	118.23
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.18	101.29	13	0.00	0.00	0.00	0.00	0.21	118.02
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.06	101.23	14	0.00	0.00	0.00	0.00	0.07	117.95
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.07	101.16	15	0.00	0.00	0.00	0.00	0.08	117.87
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.22	100.94	16	0.00	0.00	0.00	0.00	0.26	117.61
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.19	100.75	17	0.00	0.00	0.00	0.00	0.22	117.39
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.26	100.49	18	0.00	0.00	0.00	0.00	0.30	117.09
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.27	100.22	19	0.00	0.00	0.00	0.00	0.31	116.78
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.27	99.95	20	0.00	0.00	0.00	0.00	0.32	116.46
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.29	99.66	21	0.00	0.00	0.00	0.00	0.34	116.12
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.26	99.40	22	0.00	0.00	0.00	0.00	0.30	115.82
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.31	99.09	23	0.00	0.00	0.00	0.00	0.37	115.45
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.30	98.79	24	0.00	0.00	0.00	0.00	0.34	115.11
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.16	98.63	25	0.00	0.00	0.00	0.00	0.19	114.92
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.16	98.47	26	0.00	0.00	0.00	0.00	0.19	114.73
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.16	98.31	27	0.00	0.00	0.00	0.00	0.19	114.54
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.18	98.13	28	0.00	0.00	0.00	0.00	0.21	114.33
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.09	98.04	29	0.00	0.00	0.00	0.00	0.10	114.23
30																				



November, 29, 2023

Earl D. Lewis, Jr. Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502

Subject: Notice of Delivery to the Offset Account in John Martin Reservoir - Highland Water Right

Dear Mr. Lewis,

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended March 30, 1998** (“Resolution”) of a delivery of water to the Offset Account. This letter provides the reporting of deliveries to the Offset Account from the Lower Arkansas Water Management Association’s (LAWMA) shares of the Highland Irrigation Company. This letter also serves to describe the final operations in 2023, first described in the letter of March 25, 2023, which provided the initial notice of the delivery of water from this replacement source for 2023.

Summary

Enclosure 1 contains the accounting spreadsheets used to determine the credits from the Highland Canal for 2023 that resulted in the John Martin Accounting System (JMAS) accounting presented in the Offset Account Report and Operation Secretary’s Report.

LAWMA initially projected that the deliveries from the Highland Canal would be delivered to the Offset Account in John Martin Reservoir. Accordingly, all LAWMA deliveries were made to the Offset Account for April 2 - July 28. However, the change in hydrology due to the high flows in May and June 2023, resulted in more credit from the Highland Canal right than previously projected. The States agreed to allow LAWMA to deliver water to both the Offset Account and the Permanent Pool starting on July 28, 2023. All deliveries were split between the Permanent Pool and the Offset account between July 28 - October 1. Deliveries between October 2 and October 13, and October 18 and October 27 were made solely to the Offset Account. Between October 14 and October 17 and October 28 through November 1 deliveries were split between the Offset Account and the Permanent Pool.

Deliveries to the Permanent Pool were as authorized under the Resolution and Agreement included in Enclosure 2, which was made permanent on February 21st 2019. Colorado Parks and Wildlife was also required to obtain approval for a Substitute Water Supply Plan to allow temporary use of the Highland Canal



water rights for use in the Permanent Pool and the approval letter for that Substitute Water Supply Plan is included in Enclosure 3. Finally, as the Substitute Water Supply Plan Approvals are limited to a 5 renewal plans, an Application to the Colorado Water Court for a change of use of the Highland Canal water right for use in the Permanent Pool was submitted to the court on April 16, 2020 under case 20CW3015. A copy of the application is included in Enclosure 4. To date, the case is not yet final.

The following table summarizes the actual deliveries of water into the Offset Account and Permanent Pool during the reporting period from the Highland Canal water rights.

Highland Accounting Summary
 (values in acre-feet)

	Direct Flow Consumptive Use Credits			Delivery To		
	02CW181	10CW85	Total	Bypassed for In-State Replacement	Delivery to the Permanent Pool	Delivery to the Offset Account
April	150.72	7.61	158.33	0.00	0.00	143.77
May	430.29	21.34	451.63	0.00	0.00	383.31
June	1,431.75	71.31	1,530.06	0.00	0.00	1,411.79
July	1,873.88	93.26	1,967.14	0.00	0.00	1,949.85
August	574.96	28.64	603.61	0.00	250.34	271.63
September	566.84	28.56	595.40	0.00	285.52	301.10
October	53.86	4.46	58.32	0.00	15.17	66.60
	5,082.29	255.20	5,337.49	0.00	551.03	4,528.05

Please contact me if you have any questions or require additional information.

Sincerely,



Rachel A. Zancanella, P.E.
 Division Engineer
 Water Division 2
 Colorado Division of Water Resources

Enclosures (4)

cc: Kevin Salter	Rachel Duran	Dale Book	Ayrton Hendrix
Randy Hendrix	Dan Steuer	Bethany Arnold	Brian Lenherr
Lonnie Spady	Christine Sednek		

Enclosure 1

Highland Canal Accounting for 2023

LAWMA Highland Accounting 2023

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18
	Purgatoire @ Highland River Gage	Canal Flume	WD 67 River Call?	Available in Priority No 67 Call	In Stream in Priority	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	trloss#1	trloss#2	trloss#3	LAWMA lossfctr	crdtofst	Purg@hgh	Purg@LA	Ark@LA	Arkconfi	factor#1	factor#2	factor#3
Date												acre ft							
4/1/2023	5.06	0.00	No	5.06	5.06	4.82	0.24	0.017	0.006	0.040	0.075120		5.06	18.1	69.1	87.2	0.290	0.290	0.233
4/2/2023	3.42	0.00	No	3.42	3.42	3.26	0.16	0.017	0.006	0.049	0.08671	5.72	3.42	12.5	30.6	43.1	0.290	0.290	0.290
4/3/2023	2.69	0.00	No	2.69	2.69	2.56	0.13	0.017	0.006	0.049	0.08671	3.82	2.69	9.8	23.8	33.6	0.290	0.290	0.290
4/4/2023	2.03	0.00	No	2.03	2.03	1.94	0.09	0.017	0.006	0.049	0.08671	3.00	2.03	19.4	18.9	38.3	0.290	0.290	0.290
4/5/2023	2.66	0.00	No	2.66	2.66	2.54	0.12	0.017	0.006	0.040	0.075120	2.27	2.66	35.7	17.8	53.5	0.290	0.290	0.233
4/6/2023	2.51	0.00	No	2.51	2.51	2.39	0.12	0.017	0.006	0.049	0.08671	3.01	2.51	6.0	20.7	26.7	0.290	0.290	0.290
4/7/2023	2.44	0.00	No	2.44	2.44	2.33	0.11	0.017	0.006	0.049	0.08671	2.80	2.44	4.1	21.6	25.7	0.290	0.290	0.290
4/8/2023	7.17	0.00	No	7.17	7.17	6.83	0.34	0.017	0.006	0.049	0.08671	2.72	7.17	4.1	21.1	25.2	0.290	0.290	0.290
4/9/2023	10.30	0.00	No	10.30	10.30	9.82	0.48	0.017	0.006	0.049	0.08671	8.00	10.30	7.0	20.8	27.8	0.290	0.290	0.290
4/10/2023	9.94	0.00	No	9.94	9.94	9.47	0.47	0.017	0.006	0.049	0.08671	11.50	9.94	10.1	20.9	31.0	0.290	0.290	0.290
4/11/2023	9.25	0.00	No	9.25	9.25	8.82	0.43	0.017	0.006	0.049	0.08671	11.10	9.25	9.7	20.5	30.2	0.290	0.290	0.290
4/12/2023	8.47	0.00	No	8.47	8.47	8.07	0.40	0.017	0.006	0.049	0.08671	10.33	8.47	8.9	20.7	29.6	0.290	0.290	0.290
4/13/2023	7.59	0.00	No	7.59	7.59	7.23	0.36	0.017	0.006	0.049	0.08671	9.46	7.59	15.0	20.5	35.5	0.290	0.290	0.290
4/14/2023	5.75	0.00	No	5.75	5.75	5.48	0.27	0.017	0.006	0.049	0.08671	8.47	5.75	11.0	21.4	32.4	0.290	0.290	0.290
4/15/2023	4.46	0.00	No	4.46	4.46	4.25	0.21	0.017	0.006	0.049	0.08671	6.42	4.46	9.8	22.4	32.2	0.290	0.290	0.290
4/16/2023	4.10	0.00	No	4.10	4.10	3.91	0.19	0.017	0.006	0.049	0.08671	4.98	4.10	9.4	21.8	31.2	0.290	0.290	0.290
4/17/2023	4.56	0.00	Yes	4.56	4.56	4.35	0.21	0.017	0.006	0.049	0.08671	4.58	4.56	19.2	21.4	40.6	0.290	0.290	0.290
4/18/2023	3.24	0.00	Yes	3.24	3.24	3.09	0.15	0.017	0.006	0.049	0.08671	5.09	3.24	6.0	20.2	26.2	0.290	0.290	0.290
4/19/2023	2.56	0.00	Yes	2.56	2.56	2.44	0.12	0.017	0.006	0.049	0.08671	3.62	2.56	5.3	20.0	25.3	0.290	0.290	0.290
4/20/2023	2.03	0.00	Yes	2.03	2.03	1.94	0.09	0.017	0.006	0.049	0.08671	2.86	2.03	5.3	20.9	26.2	0.290	0.290	0.290
4/21/2023	1.77	0.00	Yes	1.77	1.77	1.69	0.08	0.017	0.006	0.049	0.08671	2.27	1.77	4.6	18.3	22.9	0.290	0.290	0.290
4/22/2023	1.67	0.00	Yes	1.67	1.67	1.59	0.08	0.017	0.006	0.049	0.08671	1.98	1.67	4.4	14.6	19.0	0.290	0.290	0.290
4/23/2023	1.80	0.00	Yes	1.80	1.80	1.72	0.08	0.017	0.006	0.049	0.08671	1.86	1.80	4.3	17.5	21.8	0.290	0.290	0.290
4/24/2023	1.33	0.00	Yes	1.33	1.33	1.27	0.06	0.017	0.006	0.049	0.08671	2.01	1.33	3.8	20.0	23.8	0.290	0.290	0.290
4/25/2023	2.42	0.00	Yes	2.42	2.42	2.31	0.11	0.017	0.006	0.049	0.08671	1.48	2.42	4.3	29.1	33.4	0.290	0.290	0.290
4/26/2023	4.84	0.00	Yes	4.84	4.84	4.61	0.23	0.017	0.006	0.049	0.08671	2.70	4.84	5.0	34.7	39.7	0.290	0.290	0.290
4/27/2023	5.30	0.00	Yes	5.30	5.30	5.05	0.25	0.017	0.006	0.040	0.075120	5.40	5.30	25.5	40.6	66.1	0.290	0.290	0.233
4/28/2023	5.14	0.00	Yes	5.14	5.14	4.90	0.24	0.017	0.006	0.040	0.075120	5.99	5.14	9.2	53.5	62.7	0.290	0.290	0.233
4/29/2023	4.01	0.00	Yes	4.01	4.01	3.82	0.19	0.017	0.006	0.040	0.075120	5.81	4.01	7.2	88.1	95.3	0.290	0.290	0.233
4/30/2023	3.56	0.00	Yes	3.56	3.56	3.39	0.17	0.017	0.006	0.032	0.065971	4.53	3.56	6.4	102.0	108.4	0.290	0.290	0.188
5/1/2023	3.32	0.00	Yes									4.06		5.5	84.1				

Red numbers indicate estimated data due to missing or incomplete SatMon data
 Blue numbers indicate revised data based upon hydro adjustments

143.77

Limit Check		Return Flows		
LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	Total
4.82	0.24	1.85	0.09	1.94
3.26	0.16	1.25	0.06	1.31
2.56	0.13	0.98	0.05	1.03
1.94	0.09	0.74	0.04	0.78
0.00	0.12	0.97	0.05	1.02
2.39	0.12	0.92	0.04	0.96
2.33	0.11	0.89	0.04	0.94
6.83	0.34	2.62	0.13	2.75
9.82	0.48	3.77	0.18	3.95
9.47	0.47	3.64	0.18	3.81
8.82	0.43	3.39	0.16	3.55
8.07	0.40	3.10	0.15	3.25
7.23	0.36	2.78	0.13	2.91
5.48	0.27	2.10	0.10	2.21
4.25	0.21	1.63	0.08	1.71
3.91	0.19	1.50	0.07	1.57
4.35	0.21	1.67	0.08	1.75
3.09	0.15	1.19	0.06	1.24
2.44	0.12	0.94	0.05	0.98
1.94	0.09	0.74	0.04	0.78
1.69	0.08	0.65	0.03	0.68
1.59	0.08	0.61	0.03	0.64
1.72	0.08	0.66	0.03	0.69
1.27	0.06	0.49	0.02	0.51
2.31	0.11	0.89	0.04	0.93
4.61	0.23	1.77	0.09	1.86
5.05	0.25	1.94	0.09	2.03
4.90	0.24	1.88	0.09	1.97
3.82	0.19	1.47	0.07	1.54
3.39	0.17	1.30	0.06	1.37

02CW181 CU factor for April =	61.6%	TOTAL AF	250	12
10CW85 CU factor for April =	62.1%	MAX =	1445	71
02CW181 LAWMA SHARES =	3402	Exceeded?	No	No
10CW85 LAWMA SHARES =	167	02CW181 Cumulative Annual LAWMA=	250	
DIVERTED SHARES =	231	02CW181 Annual Limit LAWMA=	12862	
TOTAL SHARES =	3800	10CW85 Cumulative Annual Leased=	12	
		10CW85 Annual Limit Leased=	602	
		153.817184	100%	153.817
		7.611984688	100%	7.61198

LAWMA Highland Accounting 2023

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits April 2023

Date	In Stream in Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Computed CU Water at JMR (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Delivery to Offset Account (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft)	Amount of CU Water to Offset Account (ac-ft)	Adjustment (ac-ft)	Flow Measurement @ Center Farm Aug Station (cfs)	Amount of CU Water @ CF Aug Station (ac-ft)	RFs (cfs)	Purgatoire Flow to Nearest CFS	Transit Loss from Lookup	
4/2/2023	5.06	5.06	0.07512	4.68	9.28	5.72	0.25	No	No	Yes	0.00	0.00	5.72	0.00	0.00	0.00	2	3.100547	5.00	0.536
4/3/2023	3.42	3.42	0.08671	3.12	6.20	3.82	0.19	No	No	Yes	0.00	0.00	3.82	0.00	0.00	0.00	1	2.091674	3.00	0.518
4/4/2023	2.69	2.69	0.08671	2.46	4.87	3.00	0.15	No	No	Yes	0.00	0.00	3.00	0.00	0.00	0.00	1	1.645205	3.00	0.518
4/5/2023	2.03	2.03	0.08671	1.85	3.68	2.27	0.11	No	No	Yes	0.00	0.00	2.27	0.00	0.00	0.00	1	1.241549	2.00	0.509
4/6/2023	2.66	2.66	0.07512	2.46	4.88	3.01	0.13	No	No	Yes	0.00	0.00	3.01	0.00	0.00	0.00	1	1.629932	3.00	0.518
4/7/2023	2.51	2.51	0.08671	2.29	4.55	2.80	0.14	No	No	Yes	0.00	0.00	2.80	0.00	0.00	0.00	1	1.535117	3.00	0.518
4/8/2023	2.44	2.44	0.08671	2.23	4.42	2.72	0.13	No	No	Yes	0.00	0.00	2.72	0.00	0.00	0.00	1	1.492305	2.00	0.509
4/9/2023	7.17	7.17	0.08671	4.12	8.17	5.04	2.07	No	No	Yes	0.00	0.00	5.04	2.96	0.00	0.00	2	2.759030	7.00	0.554
4/10/2023	10.30	10.30	0.08671	6.98	13.84	8.53	2.36	No	No	Yes	0.00	0.00	8.53	2.97	0.00	0.00	3	4.674279	10.00	0.581
4/11/2023	9.94	9.94	0.08671	9.08	18.01	11.10	0.61	No	No	Yes	0.00	0.00	11.10	0.00	0.00	0.00	3	6.079311	10.00	0.581
4/12/2023	9.25	9.25	0.08671	8.45	16.76	10.33	0.56	No	No	Yes	0.00	0.00	10.33	0.00	0.00	0.00	3	5.657306	9.00	0.572
4/13/2023	8.47	8.47	0.08671	7.74	15.34	9.46	0.51	No	No	Yes	0.00	0.00	9.46	0.00	0.00	0.00	3	5.180258	8.00	0.563
4/14/2023	7.59	7.59	0.08671	6.93	13.75	8.47	0.45	No	No	Yes	0.00	0.00	8.47	0.00	0.00	0.00	3	4.642049	8.00	0.563
4/15/2023	5.75	5.75	0.08671	5.25	10.42	6.42	0.33	No	No	Yes	0.00	0.00	6.42	0.00	0.00	0.00	2	3.516704	6.00	0.545
4/16/2023	4.46	4.46	0.08671	4.07	8.08	4.98	0.25	No	No	Yes	0.00	0.00	4.98	0.00	0.00	0.00	2	2.727739	4.00	0.527
4/17/2023	4.10	4.10	0.08671	3.74	7.43	4.58	0.23	No	No	Yes	0.00	0.00	4.58	0.00	0.00	0.00	1	2.507562	4.00	0.527
4/18/2023	4.56	4.56	0.08671	4.16	8.26	5.09	0.26	No	No	Yes	0.00	0.00	5.09	0.00	0.00	0.00	2	2.788899	5.00	0.536
4/19/2023	3.24	3.24	0.08671	2.96	5.87	3.62	0.18	No	No	Yes	0.00	0.00	3.62	0.00	0.00	0.00	1	1.981586	3.00	0.518
4/20/2023	2.56	2.56	0.08671	2.34	4.64	2.86	0.14	No	No	Yes	0.00	0.00	2.86	0.00	0.00	0.00	1	1.565697	3.00	0.518
4/21/2023	2.03	2.03	0.08671	1.85	3.68	2.27	0.11	No	No	Yes	0.00	0.00	2.27	0.00	0.00	0.00	1	1.241549	2.00	0.509
4/22/2023	1.77	1.77	0.08671	1.62	3.21	1.98	0.10	No	No	Yes	0.00	0.00	1.98	0.00	0.00	0.00	1	1.082533	2.00	0.509
4/23/2023	1.67	1.67	0.08671	1.53	3.03	1.86	0.09	No	No	Yes	0.00	0.00	1.86	0.00	0.00	0.00	1	1.021373	2.00	0.509
4/24/2023	1.80	1.80	0.08671	1.64	3.26	2.01	0.10	No	No	Yes	0.00	0.00	2.01	0.00	0.00	0.00	1	1.100881	2.00	0.509
4/25/2023	1.33	1.33	0.08671	1.21	2.41	1.48	0.07	No	No	Yes	0.00	0.00	1.48	0.00	0.00	0.00	0	0.813428	1.00	0.5
4/26/2023	2.42	2.42	0.08671	2.21	4.38	2.70	0.13	No	No	Yes	0.00	0.00	2.70	0.00	0.00	0.00	1	1.480073	2.00	0.509
4/27/2023	4.84	4.84	0.08671	4.42	8.77	5.40	0.27	No	No	Yes	0.00	0.00	5.40	0.00	0.00	0.00	2	2.960147	5.00	0.536
4/28/2023	5.30	5.30	0.07512	4.90	9.72	5.99	0.26	No	No	Yes	0.00	0.00	5.99	0.00	0.00	0.00	2	3.247609	5.00	0.536
4/29/2023	5.14	5.14	0.07512	4.75	9.43	5.81	0.25	No	No	Yes	0.00	0.00	5.81	0.00	0.31	0.36	2	3.149568	5.00	0.536
4/30/2023	4.01	4.01	0.07512	3.71	7.36	4.53	0.19	No	No	Yes	0.00	0.00	4.53	0.00	0.85	0.99	1	2.457153	4.00	0.527
5/1/2023	3.56	3.56	0.06597	3.33	6.60	4.06	0.15	No	No	Yes	0.00	0.00	4.06	0.00	5.29	6.12	1	2.184245	4.00	0.527
Totals											0.00		137.84	5.93						

Entire Month of April

Total In Stream Priority	261.96
LAWMA's Instream Portion	261.96
Arrival Amount at JMR	230.27
Return Flow Obligation	100.53
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	31.69
CU Arrival at JMR	141.90
Total CU Bypassed for In-State Replacement	0.00
Total CU Water to Permanent Pool	0.00
Total CU Water to Offset Account	141.90
Total CU Transit Loss to LAWMA (CU Portions prorated between 02CW181 & 10CW85)	10.76
Total CU Transit Loss to LAWMA (Bypass for In-State Replacement)	0.00
Total CU Transit Loss to LAWMA (Permanent Pool)	0.00
Total CU Transit Loss to LAWMA (Offset Account)	10.76

LAWMA Highland Accounting 2023

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits May 2023

Date	In Stream In Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Computed CU Water at JMR (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Delivery to Offset Account (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft)	Amount of CU Water to Offset Account (ac-ft)	Adjustment (ac-ft)	Flow Measurement @ Center Farm Aug Station (cfs)	Amount of CU Water @ CF Aug Station (ac-ft)	RFs (cfs)	Purgatoire Flow to Nearest CFS	Transit Loss from Lookup		
5/2/2023	3.32	3.32	0.07512	3.07	6.09	4.12	0.17	No	No	Yes	0.00	0.00	4.12	0.00	10.90	12.60	1	2.232736'	3.00	0.518	4.12
5/3/2023	2.29	2.29	0.07512	2.12	4.20	2.84	0.12	No	No	Yes	0.00	0.00	2.84	0.00	9.40	10.87	1	1.540050'	2.00	0.509	2.84
5/4/2023	1.78	1.78	0.08671	1.63	3.22	2.18	0.11	No	No	Yes	0.00	0.00	2.18	0.00	9.71	11.23	1	1.194811'	2.00	0.509	2.18
5/5/2023	7.24	7.24	0.08671	4.08	8.09	5.47	2.35	No	No	Yes	0.00	0.00	5.47	0.00	10.70	12.37	1	2.988685'	7.00	0.554	5.47
5/6/2023	8.91	8.91	0.08671	7.55	14.98	10.13	1.04	No	No	Yes	0.00	0.00	10.13	0.00	10.70	12.37	2	5.549037'	9.00	0.572	10.13
5/7/2023	7.33	7.33	0.08671	6.69	13.28	8.98	0.47	No	No	Yes	0.00	0.00	8.98	0.00	10.70	12.37	2	4.920207'	7.00	0.554	8.98
5/8/2023	6.97	6.97	0.08671	6.37	12.63	8.54	0.45	No	No	Yes	0.00	0.00	8.54	0.00	10.70	12.37	2	4.678560'	7.00	0.554	8.54
5/9/2023	6.55	6.55	0.08671	5.98	11.87	8.02	0.42	No	No	Yes	0.00	0.00	8.02	0.00	7.11	8.22	2	4.396638'	7.00	0.554	8.02
5/10/2023	5.19	5.19	0.08671	4.74	9.40	6.36	0.32	No	No	Yes	0.00	0.00	6.36	0.00	8.68	10.04	2	3.483748'	5.00	0.536	6.36
5/11/2023	3.57	3.57	0.08671	3.26	6.47	4.37	0.22	No	No	Yes	0.00	0.00	4.37	-2.96	10.40	12.03	1	2.396335'	4.00	0.527	4.37
5/12/2023	2.66	2.66	0.08671	2.43	4.82	3.26	0.16	No	No	Yes	0.00	0.00	3.26	-2.97	10.10	11.68	1	1.785505'	3.00	0.518	0.29
5/13/2023	2.52	2.52	0.07512	2.33	4.62	3.13	0.13	No	No	Yes	0.00	0.00	3.13	0.00	10.20	11.80	1	1.694727'	3.00	0.518	3.13
5/14/2023	1.57	1.57	0.05011	1.49	2.96	2.00	0.05	No	No	Yes	0.00	0.00	2.00	0.00	9.95	11.51	0	1.059167'	2.00	0.509	2.00
5/15/2023	1.93	1.93	0.02775	1.88	3.72	2.52	0.04	No	No	Yes	0.00	0.00	2.52	0.00	10.10	11.68	1	1.304307'	2.00	0.509	2.52
5/16/2023	1.85	1.85	0.04401	1.77	3.51	2.37	0.06	No	No	Yes	0.00	0.00	2.37	0.00	10.20	11.80	1	1.248782'	2.00	0.509	2.37
5/17/2023	1.90	1.90	0.04401	1.82	3.60	2.44	0.06	No	No	Yes	0.00	0.00	2.44	0.00	11.10	12.84	1	1.282533'	2.00	0.509	2.44
5/18/2023	1.43	1.43	0.04401	1.37	2.71	1.83	0.04	No	No	Yes	0.00	0.00	1.83	0.00	12.00	13.88	0	0.965274'	1.00	0.5	1.83
5/19/2023	2.36	2.36	0.04401	2.26	4.48	3.03	0.07	No	No	Yes	0.00	0.00	3.03	0.00	16.10	18.62	1	1.593041'	2.00	0.509	3.03
5/20/2023	3.09	3.09	0.04401	2.95	5.86	3.96	0.09	No	No	Yes	0.00	0.00	3.96	0.00	22.90	26.48	1	2.085803'	3.00	0.518	3.96
5/21/2023	12.40	12.40	0.04401	11.85	23.51	15.90	0.44	No	No	Yes	0.00	0.00	15.90	0.00	22.80	26.37	4	8.370215'	12.00	0.6	15.90
5/22/2023	15.80	15.80	0.04265	15.13	30.00	20.29	0.58	No	No	Yes	0.00	0.00	20.29	0.00	17.70	20.47	5	10.66653'	16.00	0.64616	20.29
5/23/2023	20.00	20.00	0.05011	18.20	36.10	24.42	1.67	No	No	Yes	0.00	0.00	24.42	0.00	18.90	21.86	6	12.92600'	20.00	0.69232	24.42
5/24/2023	24.00	24.00	0.04401	21.10	41.85	28.31	2.87	No	No	Yes	0.00	0.00	28.31	0.00	13.70	15.84	7	14.89859'	24.00	0.73848	28.31
5/25/2023	24.00	24.00	0.04401	22.40	44.43	30.05	1.61	No	No	Yes	0.00	0.00	30.05	-4.19	14.80	17.11	7	15.81651'	25.00	0.75	25.86
5/26/2023	24.00	24.00	0.04401	22.94	45.51	30.78	1.11	No	No	Yes	0.00	0.00	30.78	0.00	12.30	14.22	7	16.20041'	36.00	0.78663	30.78
5/27/2023	24.00	24.00	0.04401	22.94	45.51	30.78	1.13	No	No	Yes	0.00	0.00	30.78	0.00	12.00	13.88	7	16.20041'	44.00	0.8	30.78
5/28/2023	24.00	24.00	0.03856	23.07	45.77	30.95	0.99	No	No	Yes	0.00	0.00	30.95	0.00	11.50	13.30	7	16.20772'	83.00	0.8	30.95
5/29/2023	24.00	24.00	0.04401	22.94	45.51	30.78	1.13	No	No	Yes	0.00	0.00	30.78	0.00	11.40	13.18	7	16.20041'	41.00	0.8	30.78
5/30/2023	24.00	24.00	0.04401	22.94	45.51	30.78	1.13	No	No	Yes	0.00	0.00	30.78	0.00	11.40	13.18	7	16.20041'	39.00	0.79662	30.78
5/31/2023	24.00	24.00	0.04401	22.94	45.51	30.78	1.11	No	No	Yes	0.00	0.00	30.78	0.00	17.50	20.24	7	16.20041'	34.00	0.77997	30.78
6/1/2023	24.00	24.00	0.04401	22.94	45.51	30.78	1.08	No	No	Yes	0.00	0.00	30.78	0.00	20.40	23.59	7	16.20041'	29.00	0.76332	30.78

21.25

0.00

393.43

-10.12

Entire Month of May

Total In Stream Priority	667.77
LAWMA's Instream Portion	667.77
Arrival Amount at JMR	621.22
Return Flow Obligation	216.14
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	46.55
CU Arrival at JMR	420.15
Total CU Bypassed for In-State Replacement	0.00
Total CU Water to Permanent Pool	0.00
Total CU Water to Offset Account	420.15
Total CU Transit Loss to LAWMA (CU Portions prorated between 02CW181 & 10CW85)	21.25
Total CU Transit Loss to LAWMA (Bypass for In-State Replacement)	0.00
Total CU Transit Loss to LAWMA (Permanent Pool)	0.00
Total CU Transit Loss to LAWMA (Offset Account)	21.25

Amount per Highland Agreement

21.25

LAWMA Highland Accounting 2023

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits June 2023

Date	In Stream In Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Computed CU Water at JMR (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Delivery to Offset Account (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft)	Amount of CU Water to Offset Account (ac-ft)	Adjustment (ac-ft)	Flow Measurement @ Center Farm Aug Station (cfs)	Amount of CU Water @ CF Aug Station (ac-ft)	RFs (cfs)	Purgatoire Flow to Nearest CFS	Transit Loss from Lookup		
6/2/2023	24.00	24.00	0.05011	22.80	45.22	34.03	1.35	No	No	Yes	0.00	0.00	34.03	2.41	22.80	26.37	6	18.01499!	26.00	0.75333	36.44
6/3/2023	24.00	24.00	0.05337	22.72	45.06	33.91	1.44	No	No	Yes	0.00	0.00	33.91	2.26	21.70	25.09	6	18.00891!	26.00	0.75333	36.17
6/4/2023	21.00	21.00	0.05011	19.95	39.57	29.77	1.11	No	No	Yes	0.00	0.00	29.77	0.00	17.70	20.47	5	15.76312!	21.00	0.70386	29.77
6/5/2023	21.70	21.70	0.05011	20.61	40.89	30.77	1.16	No	No	Yes	0.00	0.00	30.77	0.00	17.60	20.35	5	16.28856	22.00	0.7154	30.77
6/6/2023	24.00	24.00	0.04265	22.98	45.57	34.29	1.16	No	No	Yes	0.00	0.00	34.29	4.86	16.40	18.96	6	18.02750	27.00	0.75666	39.15
6/7/2023	24.00	24.00	0.04265	22.98	45.57	34.29	1.22	No	No	Yes	0.00	0.00	34.29	0.00	7.73	8.94	6	18.02750	39.00	0.79662	34.29
6/8/2023	24.00	24.00	0.02679	23.36	46.33	34.86	0.77	No	No	Yes	0.00	0.00	34.86	0.00	18.30	21.16	6	18.04739!	346.00	0.8	34.86
6/9/2023	24.00	24.00	0.03040	23.27	46.16	34.73	0.87	No	No	Yes	0.00	0.00	34.73	0.00	18.30	21.16	6	18.04365!	182.00	0.8	34.73
6/10/2023	24.00	24.00	0.04035	23.03	45.68	34.38	1.16	No	No	Yes	0.00	0.00	34.38	0.00	19.00	21.97	6	18.03094!	109.00	0.8	34.38
6/11/2023	24.00	24.00	0.04358	22.95	45.53	34.26	1.25	No	No	Yes	0.00	0.00	34.26	0.00	18.50	21.39	6	18.02604!	84.00	0.8	34.26
6/12/2023	24.00	24.00	0.04466	22.93	45.48	34.22	1.28	No	No	Yes	0.00	0.00	34.22	0.00	17.70	20.47	6	18.02433!	70.00	0.8	34.22
6/13/2023	24.00	24.00	0.03856	23.07	45.77	34.44	1.11	No	No	Yes	0.00	0.00	34.44	0.00	17.60	20.35	6	18.03350!	53.00	0.8	34.44
6/14/2023	24.00	24.00	0.03189	23.23	46.09	34.68	0.91	No	No	Yes	0.00	0.00	34.68	0.00	16.60	19.20	6	18.04199	159.00	0.8	34.68
6/15/2023	24.00	24.00	0.02392	23.43	46.47	34.97	0.69	No	No	Yes	0.00	0.00	34.97	0.00	10.80	12.49	6	18.05001!	809.00	0.8	34.97
6/16/2023	62.50	62.50	0.01167	61.77	122.52	92.20	0.87	No	No	Yes	0.00	0.00	92.20	0.00	0.04	0.04	15	47.02576!	221.00	0.8	92.20
6/17/2023	62.50	62.50	0.01206	61.75	122.47	92.16	0.90	No	No	Yes	0.00	0.00	92.16	0.00	1.53	1.77	15	47.02533!	203.00	0.8	92.16
6/18/2023	62.50	62.50	0.00191	62.38	123.73	93.11	0.14	No	No	Yes	0.00	0.00	93.11	0.00	0.12	0.14	15	47.03199!	1240.00	0.8	93.11
6/19/2023	62.50	62.50	0.01650	61.47	121.92	91.75	1.23	No	No	Yes	0.00	0.00	91.75	0.00	0.90	1.04	15	47.01935!	139.00	0.8	91.75
6/20/2023	62.50	62.50	0.02122	61.17	121.34	91.31	1.58	No	No	Yes	0.00	0.00	91.31	0.00	5.29	6.12	15	47.01099!	63.00	0.8	91.31
6/21/2023	44.20	44.20	0.02638	43.03	85.36	64.23	1.39	No	No	Yes	0.00	0.00	64.23	0.00	5.02	5.81	11	33.23799!	44.00	0.8	64.23
6/22/2023	38.30	38.30	0.02638	37.29	73.96	55.66	1.20	No	No	Yes	0.00	0.00	55.66	0.00	6.93	8.01	9	28.80125!	38.00	0.79329	55.66
6/23/2023	33.00	33.00	0.02638	32.13	63.73	47.96	1.01	No	No	Yes	0.00	0.00	47.96	0.00	7.23	8.36	8	24.81569!	33.00	0.77664	47.96
6/24/2023	29.90	29.90	0.02638	29.11	57.74	43.45	0.90	No	No	Yes	0.00	0.00	43.45	0.00	5.01	5.79	7	22.48452!	30.00	0.76665	43.45
6/25/2023	25.60	25.60	0.02638	24.92	49.44	37.20	0.76	No	No	Yes	0.00	0.00	37.20	0.00	4.69	5.42	6	19.25096!	26.00	0.75333	37.20
6/26/2023	22.00	22.00	0.02638	21.42	42.49	31.97	0.62	No	No	Yes	0.00	0.00	31.97	0.00	3.97	4.59	5	16.54379!	22.00	0.7154	31.97
6/27/2023	35.00	35.00	0.02638	34.08	67.59	50.86	1.08	No	No	Yes	0.00	0.00	50.86	0.00	2.57	2.97	8	26.31968!	35.00	0.7833	50.86
6/28/2023	34.10	34.10	0.02775	33.15	65.76	49.49	1.10	No	No	Yes	0.00	0.00	49.49	0.00	2.52	2.91	8	25.64099!	34.00	0.77997	49.49
6/29/2023	22.50	22.50	0.02775	21.88	43.39	32.65	0.68	No	No	Yes	0.00	0.00	32.65	0.00	2.27	2.62	5	16.91854!	23.00	0.72694	32.65
6/30/2023	16.70	16.70	0.04265	15.99	31.71	23.86	0.70	No	No	Yes	0.00	0.00	23.86	0.00	3.15	3.64	4	12.54413!	17.00	0.6577	23.86
7/1/2023	62.50	62.50	0.03239	60.48	119.95	90.27	2.42	No	No	Yes	0.00	0.00	90.27	0.00	3.12	3.61	15	46.98283!	116.00	0.8	90.27
							32.05					0.00	1402.26				0				
											0.00	1371.48		9.53							

Entire Month of June

Total In Stream Priority	1,997.38
LAWMA's Instream Portion	1,997.38
Arrival Amount at JMR	1,942.49
Return Flow Obligation	494.32
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	54.90
CU Arrival at JMR	1,461.75
Total CU Bypassed for In-State Replacement	0.00
Total CU Water to Permanent Pool	0.00
Total CU Water to Offset Account	1,461.75 Amount per Highland Agreement
Total CU Transit Loss to LAWMA (Prorated between 02CW181 & 10CW85)	32.05
Total CU Transit Loss to LAWMA (Bypass for In-State Replacement)	0.00
Total CU Transit Loss to LAWMA (Permanent Pool)	0.00
Total CU Transit Loss to LAWMA (Offset Account)	32.05

LAWMA Highland Accounting 2023

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits July 2023

Date	In Stream In Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Computed CU Water at JMR (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Delivery to Offset Account (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft)	Amount of CU Water to Offset Account (ac-ft)	Adjustment (ac-ft)	Flow Measurement @ Center Farm Aug Station (cfs)	Amount of CU Water @ CF Aug Station (ac-ft)	RFs (cfs)	Purgatoire Flow to Nearest CFS	Transit Loss from Lookup		
7/2/2023	62.50	62.50	0.00837	61.98	122.93	97.31	0.66	No	No	Yes	0.00	0.00	97.31	0.00	3.12	3.61	13	49.47205	815.00	0.8	97.31
7/3/2023	62.50	62.50	0.00765	62.02	123.02	97.38	0.60	No	No	Yes	0.00	0.00	97.38	0.00	6.77	7.83	13	49.47261	920.00	0.8	97.38
7/4/2023	62.50	62.50	0.03346	60.41	119.82	94.85	2.63	No	No	Yes	0.00	0.00	94.85	0.00	5.92	6.85	13	49.42011	111.00	0.8	94.85
7/5/2023	51.60	51.60	0.03856	49.61	98.40	77.90	2.50	No	No	Yes	0.00	0.00	77.90	0.00	5.79	6.70	10	40.78625	52.00	0.8	77.90
7/6/2023	62.50	62.50	0.03906	55.90	110.88	87.77	8.29	No	No	Yes	0.00	0.00	87.77	0.00	8.00	9.25	12	45.97940	194.00	0.8	87.77
7/7/2023	62.50	62.50	0.00191	62.38	123.73	97.95	0.15	No	No	Yes	0.00	0.00	97.95	0.00	8.06	9.32	13	49.47533	1500.00	0.8	97.95
7/8/2023	62.50	62.50	0.01091	61.82	122.62	97.06	0.86	No	No	Yes	0.00	0.00	97.06	0.00	5.51	6.37	13	49.46963	318.00	0.8	97.06
7/9/2023	62.50	62.50	0.02679	60.83	120.65	95.51	2.10	No	No	Yes	0.00	0.00	95.51	0.00	5.38	6.22	13	49.44000	490.00	0.8	95.51
7/10/2023	62.50	62.50	0.00765	62.02	123.02	97.38	0.60	No	No	Yes	0.00	0.00	97.38	0.00	4.69	5.42	13	49.47261	931.00	0.8	97.38
7/11/2023	62.50	62.50	0.03239	60.48	119.95	94.96	2.54	No	No	Yes	0.00	0.00	94.96	0.00	4.11	4.75	13	49.42362	114.00	0.8	94.96
7/12/2023	62.50	62.50	0.04358	59.78	118.57	93.86	3.42	No	No	Yes	0.00	0.00	93.86	-9.53	4.62	5.34	12	49.38154	76.00	0.8	84.33
7/13/2023	48.30	48.30	0.04875	45.95	91.13	72.14	2.96	No	No	Yes	0.00	0.00	72.14	0.00	5.93	6.86	10	38.14381	48.00	0.8	72.14
7/14/2023	62.50	62.50	0.04231	59.86	118.72	93.98	3.32	No	No	Yes	0.00	0.00	93.98	0.00	5.17	5.98	12	49.38693	168.00	0.8	93.98
7/15/2023	51.10	51.10	0.04210	48.95	97.09	76.86	2.70	No	No	Yes	0.00	0.00	76.86	0.00	5.95	6.88	10	40.37949	51.00	0.8	76.86
7/16/2023	27.10	27.10	0.05337	25.65	50.88	40.28	1.72	No	No	Yes	0.00	0.00	40.28	0.00	10.40	12.03	5	21.39149	27.00	0.75666	40.28
7/17/2023	62.50	62.50	0.04791	59.51	118.03	93.43	3.76	No	No	Yes	0.00	0.00	93.43	0.00	11.30	13.07	12	49.36194	87.00	0.8	93.43
7/18/2023	44.80	44.80	0.05790	42.21	83.72	66.27	3.26	No	No	Yes	0.00	0.00	66.27	0.00	11.50	13.30	9	35.34516	45.00	0.8	66.27
7/19/2023	36.20	36.20	0.07512	33.48	66.41	52.57	3.36	No	No	Yes	0.00	0.00	52.57	0.00	10.50	12.14	7	28.49450	36.00	0.78663	52.57
7/20/2023	62.50	62.50	0.05865	37.70	74.78	59.19	31.15	No	No	Yes	0.00	0.00	59.19	0.00	12.00	13.88	8	31.59401	119.00	0.8	59.19
7/21/2023	62.50	62.50	0.01167	61.77	122.52	96.99	0.92	No	No	Yes	0.00	0.00	96.99	0.00	16.70	19.31	13	49.46877	288.00	0.8	96.99
7/22/2023	62.50	62.50	0.00000	62.50	123.97	98.13	0.00	No	No	Yes	0.00	0.00	98.13	0.00	12.50	14.45	13	49.47551	3760.00	0.8	98.13
7/23/2023	62.50	56.24	0.01096	55.62	110.32	87.33	0.77	No	No	Yes	0.00	0.00	87.33	0.00	5.84	6.75	12	44.50963	220.00	0.8	87.33
7/24/2023	62.50	0.00	0.04358	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	11.20	12.95	0	0	76.00	0.8	0.00
7/25/2023	48.70	0.00	0.05200	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	11.00	12.72	0	0	49.00	0.8	0.00
7/26/2023	38.50	0.00	0.05200	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	10.90	12.60	0	0	39.00	0.79662	0.00
7/27/2023	32.10	0.00	0.05200	0.00	0.00	0.00	0.00	No	No	Yes	0.00	0.00	0.00	0.00	10.60	12.26	0	0	32.00	0.77331	0.00
7/28/2023	27.00	0.00	0.05790	0.00	0.00	0.00	0.00	No	Yes	Yes	0.00	0.00	0.00	0.00	10.60	12.26	0	0	27.00	0.75666	0.00
7/29/2023	45.10	0.00	0.05790	0.00	0.00	0.00	0.00	No	Yes	Yes	0.00	0.00	0.00	0.00	11.00	12.72	0	0	45.00	0.8	0.00
7/30/2023	28.40	0.00	0.06461	0.00	0.00	0.00	0.00	No	Yes	Yes	0.00	0.00	0.00	0.00	10.80	12.49	0	0	28.00	0.75999	0.00
7/31/2023	30.40	0.00	0.06597	0.00	0.00	0.00	0.00	No	Yes	Yes	0.00	0.00	0.00	0.00	10.80	12.49	0	0	30.00	0.76665	0.00
8/1/2023	26.40	0.00	0.06461	0.00	0.00	0.00	0.00	No	Yes	Yes	0.00	0.00	0.00	0.00	11.70	13.53	0	0	26.00	0.75333	0.00
							80.69					0.00	1959.38	-9.53							

Entire Month of July

Total In Stream Priority	3,170.03
LAWMA's Instream Portion	2,485.00
Arrival Amount at JMR	2,361.16
Return Flow Obligation	517.86
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	123.84
CU Arrival at JMR	1,869.11
Total CU Bypassed for In-State Replacement	0.00
Total CU Water to Permanent Pool	0.00
Total CU Water to Offset Account	1,869.11
Total CU Transit Loss to LAWMA (Prorated between 02CW181 & 10CW85)	78.27
Total CU Transit Loss to LAWMA (Bypass for In-State Replacement)	0.00
Total CU Transit Loss to LAWMA (Permanent Pool)	0.00
Total CU Transit Loss to LAWMA (Offset Account)	78.27

78.27

Amount per Highland Agreement

LAWMA Highland Accounting 2023

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18
Date	Purgatoire @ Highland River Gage	Canal Flume	WD 67 River Call?	Available in Priority No 67 Call	In Stream in Priority	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	trloss#1	trloss#2	trloss#3	LAWMA lossfctr	crdtofst	Purg@hgh	Purg@LA	Ark@LA	Arkcnfl	factor#1	factor#2	factor#3
8/1/2023	25.10	0.00	No	25.10	25.10	23.93	1.17	0.017	0.006	0.040	0.0751207	acre ft	25.1	31.90	45.20	77.10	0.290	0.290	0.233
8/2/2023	19.90	0.00	No	19.90	19.90	18.97	0.93	0.017	0.006	0.040	0.0751207	37.18	19.9	26.50	41.40	67.90	0.290	0.290	0.233
8/3/2023	16.40	0.00	No	16.40	16.40	15.63	0.77	0.017	0.006	0.040	0.0751207	29.48	16.4	22.10	51.70	73.80	0.290	0.290	0.233
8/4/2023	13.90	0.00	No	13.90	13.90	13.25	0.65	0.017	0.006	0.040	0.0751207	24.30	13.9	19.70	49.90	69.60	0.290	0.290	0.233
8/5/2023	12.10	0.00	No	12.10	12.10	11.53	0.57	0.017	0.006	0.040	0.0751207	20.59	12.1	18.20	41.20	59.40	0.290	0.290	0.233
8/6/2023	14.20	0.00	No	14.20	14.20	13.54	0.66	0.017	0.006	0.040	0.0751207	17.93	14.2	17.70	43.40	61.10	0.290	0.290	0.233
8/7/2023	13.00	0.00	No	13.00	13.00	12.39	0.61	0.017	0.006	0.040	0.0751207	21.04	13.0	18.50	33.70	52.20	0.290	0.290	0.233
8/8/2023	12.10	0.00	No	12.10	12.10	11.53	0.57	0.017	0.006	0.040	0.0751207	19.26	12.1	15.70	34.60	50.30	0.290	0.290	0.233
8/9/2023	11.00	0.00	No	11.00	11.00	10.49	0.51	0.017	0.006	0.040	0.0751207	17.93	11.0	16.70	38.80	55.50	0.290	0.290	0.233
8/10/2023	10.10	0.00	Yes	10.10	10.10	9.63	0.47	0.017	0.006	0.040	0.0751207	16.30	10.1	16.10	36.20	52.30	0.290	0.290	0.233
8/11/2023	9.33	0.00	Yes	9.33	9.33	8.89	0.44	0.017	0.006	0.040	0.0751207	14.96	9.3	14.80	35.80	50.60	0.290	0.290	0.233
8/12/2023	8.87	0.00	Yes	8.87	8.87	8.45	0.42	0.017	0.006	0.049	0.08671	13.82	8.9	13.70	34.70	48.40	0.290	0.290	0.290
8/13/2023	8.84	0.00	Yes	8.84	8.84	8.43	0.41	0.017	0.006	0.049	0.08671	12.98	8.8	13.80	34.80	48.60	0.290	0.290	0.290
8/14/2023	8.17	0.00	Yes	8.17	8.17	7.79	0.38	0.017	0.006	0.049	0.08671	12.93	8.2	12.20	33.80	46.00	0.290	0.290	0.290
8/15/2023	7.68	0.00	Yes	7.68	7.68	7.32	0.36	0.017	0.006	0.049	0.08671	11.95	7.7	11.70	33.40	45.10	0.290	0.290	0.290
8/16/2023	7.07	0.00	Yes	7.07	7.07	6.74	0.33	0.017	0.006	0.040	0.0751207	11.24	7.1	11.20	43.50	54.70	0.290	0.290	0.233
8/17/2023	6.83	0.00	Yes	6.83	6.83	6.51	0.32	0.017	0.006	0.040	0.0751207	10.47	6.8	10.50	48.50	59.00	0.290	0.290	0.233
8/18/2023	6.29	0.00	Yes	6.29	6.29	6.00	0.29	0.017	0.006	0.049	0.08671	10.12	6.3	13.00	35.80	48.80	0.290	0.290	0.290
8/19/2023	5.79	0.00	Yes	5.79	5.79	5.52	0.27	0.017	0.006	0.049	0.08671	9.20	5.8	10.80	32.30	43.10	0.290	0.290	0.290
8/20/2023	5.16	0.00	Yes	5.16	5.16	4.92	0.24	0.017	0.006	0.049	0.08671	8.47	5.2	7.32	32.30	39.62	0.290	0.290	0.290
8/21/2023	4.63	0.00	Yes	4.63	4.63	4.41	0.22	0.017	0.006	0.049	0.08671	7.55	4.6	5.78	30.10	35.88	0.290	0.290	0.290
8/22/2023	4.23	0.00	Yes	4.23	4.23	4.03	0.20	0.017	0.006	0.049	0.08671	6.77	4.2	4.96	28.60	33.56	0.290	0.290	0.290
8/23/2023	3.95	0.00	Yes	3.95	3.95	3.77	0.18	0.017	0.006	0.049	0.08671	6.19	4.0	4.32	27.70	32.02	0.290	0.290	0.290
8/24/2023	3.72	0.00	Yes	3.72	3.72	3.55	0.17	0.017	0.006	0.049	0.08671	5.78	3.7	4.07	26.40	30.47	0.290	0.290	0.290
8/25/2023	6.67	0.00	Yes	6.67	6.67	6.36	0.31	0.017	0.006	0.049	0.08671	5.44	6.7	4.97	26.30	31.27	0.290	0.290	0.290
8/26/2023	11.80	0.00	Yes	11.80	11.80	11.25	0.55	0.017	0.006	0.049	0.08671	9.76	11.8	12.10	37.80	49.90	0.290	0.290	0.290
8/27/2023	114.00	0.00	Yes	62.50	24.00	22.88	1.12	0.011	0.006	0.040	0.0678012	17.26	114.0	24.10	37.20	61.30	0.188	0.290	0.233
8/28/2023	206.00	0.00	Yes	62.50	24.00	22.88	1.12	0.008	0.003	0.019	0.0344208	35.84	206.0	285.00	33.10	318.10	0.126	0.126	0.110
8/29/2023	109.00	0.00	Yes	62.50	24.00	22.88	1.12	0.011	0.003	0.021	0.0428168	37.12	109.0	157.00	58.90	215.90	0.188	0.155	0.126
8/30/2023	51.60	0.00	Yes	51.60	24.00	22.88	1.12	0.014	0.005	0.032	0.0605176	36.80	51.6	80.20	56.30	136.50	0.233	0.233	0.188
8/31/2023	34.30	0.00	Yes	34.30	24.00	22.88	1.12	0.017	0.005	0.032	0.0646079	36.12	34.3	50.00	55.90	105.90	0.290	0.233	0.188
9/1/2023	23.40	0.00	Yes									35.96		35.00	119.00				

Red numbers indicate estimated data due to missing or incomplete SatMon data

Blue numbers indicate revised data based upon hydro adjustments

TOTAL AF	712	35	
02CW181 CU factor for August =	80.7%		
10CW85 CU factor for August =	81.9%		
02CW181 LAWMA SHARES =	3402		
10CW85 LAWMA SHARES =	167		
DIVERTED SHARES =	231		
TOTAL SHARES =	3800		
02CW181 Cumulative Annual LAWMA=	2507		
02CW181 Annual Limit LAWMA=	12862		
10CW85 Cumulative Annual Leased=	109		
10CW85 Annual Limit Leased=	602		
574.9617731	100%	574.96'	
29	100%	28.643'	

Limit Check		Return Flows		
LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	Total
23.93	1.17	4.62	0.21	4.83
18.97	0.93	3.66	0.17	3.83
15.63	0.77	3.02	0.14	3.16
13.25	0.65	2.56	0.12	2.67
11.53	0.57	2.23	0.10	2.33
13.54	0.66	2.61	0.12	2.73
12.39	0.61	2.39	0.11	2.50
11.53	0.57	2.23	0.10	2.33
10.49	0.51	2.02	0.09	2.12
9.63	0.47	1.86	0.09	1.94
8.89	0.44	1.72	0.08	1.80
8.45	0.42	1.63	0.08	1.71
8.43	0.41	1.63	0.07	1.70
7.79	0.38	1.50	0.07	1.57
7.32	0.36	1.41	0.07	1.48
6.74	0.33	1.30	0.06	1.36
6.51	0.32	1.26	0.06	1.31
6.00	0.29	1.16	0.05	1.21
5.52	0.27	1.07	0.05	1.11
4.92	0.24	0.95	0.04	0.99
4.41	0.22	0.85	0.04	0.89
4.03	0.20	0.78	0.04	0.81
3.77	0.18	0.73	0.03	0.76
3.55	0.17	0.68	0.03	0.72
6.36	0.31	1.23	0.06	1.28
11.25	0.55	2.17	0.10	2.27
22.88	1.12	4.42	0.20	4.62
22.88	1.12	4.42	0.20	4.62
22.88	1.12	4.42	0.20	4.62
22.88	1.12	4.42	0.20	4.62

LAWMA Highland Accounting 2023

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits August 2023

Date	In Stream in Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Computed CU Water at JMR (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Delivery to Offset Account (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft)	Amount of CU Water to Offset Account (ac-ft)	Adjustment (ac-ft)	Flow Measurement @ Center Farm Aug Station (cfs)	Amount of CU Water @ CF Aug Station (ac-ft)	RFs (cfs)	Purgatoire Flow to Nearest CFS	Transit Loss from Lookup	
8/2/2023	25.10	25.10	0.07512	23.21	46.05	37.18	2.42	No	Yes	Yes	0.00	9.70	27.48	0.00	11.60	13.41	4	20.15540	815.00	0.8
8/3/2023	19.90	19.90	0.07512	18.41	36.51	29.48	1.92	No	Yes	Yes	0.00	9.90	19.58	9.90	11.80	13.65	4	15.97978	920.00	0.8
8/4/2023	16.40	16.40	0.07512	15.17	30.09	24.30	1.58	No	Yes	Yes	0.00	9.31	14.99	9.31	11.20	12.95	3	13.16927	111.00	0.8
8/5/2023	13.90	13.90	0.07512	12.86	25.50	20.59	1.34	No	Yes	Yes	0.00	8.92	11.68	8.92	10.80	12.49	2	11.16176	52.00	0.8
8/6/2023	12.10	12.10	0.07512	11.19	22.20	17.93	1.16	No	Yes	Yes	0.00	8.09	9.84	8.09	9.96	11.52	3	9.716352	194.00	0.8
8/7/2023	14.20	14.20	0.07512	13.13	26.05	21.04	1.37	No	Yes	Yes	0.00	8.06	12.98	8.06	9.93	11.48	3	11.40266	1500.00	0.8
8/8/2023	13.00	13.00	0.07512	12.02	23.85	19.26	1.25	No	Yes	Yes	0.00	8.62	10.64	8.62	10.50	12.14	2	10.43905	318.00	0.8
8/9/2023	12.10	12.10	0.07512	11.19	22.20	17.93	1.16	No	Yes	Yes	0.00	8.92	9.01	8.92	10.80	12.49	2	9.716352	490.00	0.8
8/10/2023	11.00	11.00	0.07512	10.17	20.18	16.30	1.06	No	Yes	Yes	0.00	9.01	7.08	9.21	10.90	12.60	2	8.833047	931.00	0.8
8/11/2023	10.10	10.10	0.07512	9.34	18.53	14.96	0.97	No	Yes	Yes	0.00	9.11	5.85	9.11	11.00	12.72	2	8.110343	114.00	0.8
8/12/2023	9.33	9.33	0.07512	8.63	17.12	13.82	0.90	No	Yes	Yes	0.00	8.82	5.01	8.82	10.70	12.37	2	7.492030	76.00	0.8
8/13/2023	8.87	8.87	0.08671	8.10	16.07	12.98	0.99	No	Yes	Yes	0.00	8.92	4.06	8.92	10.80	12.49	2	7.109214	48.00	0.8
8/14/2023	8.84	8.84	0.08671	8.07	16.01	12.93	0.98	No	Yes	Yes	0.00	8.92	4.02	8.92	10.80	12.49	2	7.085169	168.00	0.8
8/15/2023	8.17	8.17	0.08671	7.46	14.80	11.95	0.91	No	Yes	Yes	0.00	8.82	3.14	8.82	10.70	12.37	1	6.548171	51.00	0.8
8/16/2023	7.68	7.68	0.08671	7.01	13.91	11.24	0.81	No	Yes	Yes	0.00	8.33	2.91	8.33	10.20	11.80	1	6.155441	27.00	0.75666
8/17/2023	7.07	7.07	0.07512	6.54	12.97	10.47	0.68	No	Yes	Yes	0.00	8.23	2.25	8.23	10.10	11.68	1	5.877240	87.00	0.8
8/18/2023	6.83	6.83	0.07512	6.32	12.53	10.12	0.66	No	Yes	Yes	0.00	8.72	0.60	9.52	10.60	12.26	1	5.484519	45.00	0.8
8/19/2023	6.29	6.29	0.08671	5.74	11.39	9.20	0.69	No	Yes	Yes	0.00	8.92	0.29	8.92	10.80	12.49	1	5.041370	36.00	0.78663
8/20/2023	5.79	5.79	0.08671	5.29	10.49	8.47	0.64	No	Yes	Yes	0.00	8.47	0.00	8.47	10.40	12.03	1	4.640629	119.00	0.8
8/21/2023	5.16	5.16	0.08671	4.71	9.35	7.55	0.57	No	Yes	Yes	0.00	7.55	0.00	7.55	10.20	11.80	1	4.135687	288.00	0.8
8/22/2023	4.63	4.63	0.08671	4.23	8.39	6.77	0.51	No	Yes	Yes	0.00	6.77	0.00	6.77	10.10	11.68	1	3.710897	370.00	0.8
8/23/2023	4.23	4.23	0.08671	3.86	7.66	6.19	0.47	No	Yes	Yes	0.00	6.19	0.00	6.19	10.80	12.49	1	3.390301	220.00	0.8
8/24/2023	3.95	3.95	0.08671	3.61	7.16	5.78	0.44	No	Yes	Yes	0.00	5.78	0.00	5.78	9.84	11.38	1	3.165884	76.00	0.8
8/25/2023	3.72	3.72	0.08671	3.40	6.74	5.44	0.41	No	Yes	Yes	0.00	5.44	0.00	5.44	9.59	11.09	1	2.981541	49.00	0.8
8/26/2023	6.67	6.67	0.08671	4.97	9.86	7.96	2.17	No	Yes	Yes	0.00	7.36	0.60	7.36	9.22	10.66	1	4.361598	39.00	0.79662
8/27/2023	11.80	11.80	0.08671	10.78	21.38	17.26	1.27	No	Yes	Yes	0.00	8.42	8.84	8.42	10.30	11.91	2	9.457579	32.00	0.77331
8/28/2023	24.00	24.00	0.06780	22.37	44.38	35.84	1.97	No	Yes	Yes	0.00	8.42	27.41	8.42	10.30	11.91	4	19.29237	27.00	0.75666
8/29/2023	24.00	24.00	0.03442	23.17	45.97	37.12	1.06	No	Yes	Yes	0.00	8.52	28.60	8.52	10.40	12.03	4	19.35851	45.00	0.8
8/30/2023	24.00	24.00	0.04282	22.97	45.57	36.80	1.25	No	Yes	Yes	0.00	9.11	27.69	9.11	11.00	12.72	4	19.34594	28.00	0.75999
8/31/2023	24.00	24.00	0.06052	22.55	44.72	36.12	1.78	No	Yes	Yes	0.00	9.01	27.10	9.01	10.90	12.60	4	19.31049	30.00	0.76665
9/1/2023	24.00	24.00	0.06461	22.45	44.53	35.96	1.87	No	Yes	Yes	0.00	10.86	25.10	10.86	11.40	13.18	4	19.30057	26.00	0.75333
							33.39					250.34	271.63	252.50						

Entire Month of August

Total In Stream Priority	747.44	
LAWMA's Instream Portion	747.44	
Arrival Amount at JMR	692.12	
Return Flow Obligation	143.84	
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	55.33	
CU Arrival at JMR	558.93	
Total CU Bypassed for In-State Replacement	0.00	
Total CU Water to Permanent Pool	261.20	
Total CU Water to Offset Account	296.72	Amount per Highland Agreement
Total CU Transit Loss to LAWMA (Prorated between 02CW181 & 10CW85)	35.26	18.35
Total CU Transit Loss to LAWMA (Bypass for In-State Replacement)	0.00	
Total CU Transit Loss to LAWMA (Permanent Pool)	16.91	
Total CU Transit Loss to LAWMA (Offset Account)	18.35	

LAWMA Highland Accounting 2023

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits September 2023

Date	In Stream In Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Computed CU Water at JMR (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Delivery to Offset Account (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft)	Amount of CU Water to Offset Account (ac-ft)	Adjustment (ac-ft)	Flow Measurement @ Center Farm Aug Station (cfs)	Amount of CU Water @ CF Aug Station (ac-ft)
9/2/2023	23.40	23.40	0.05926	22.01	43.66	29.64	1.36	No	Yes	Yes	0.00	11.35	18.29	0.00	11.90	13.76
9/3/2023	19.70	19.70	0.05926	18.53	36.76	24.95	1.09	No	Yes	Yes	0.00	11.16	13.80	11.16	11.70	13.53
9/4/2023	16.60	16.60	0.06597	15.50	30.75	20.88	0.97	No	Yes	Yes	0.00	11.16	9.72	11.16	11.70	13.53
9/5/2023	15.90	15.90	0.06597	14.85	29.46	20.00	0.91	No	Yes	Yes	0.00	10.57	9.43	10.57	11.10	12.84
9/6/2023	12.80	12.80	0.05926	12.04	23.88	16.21	0.62	No	Yes	Yes	0.00	10.27	5.94	10.27	10.80	12.49
9/7/2023	10.00	10.00	0.05337	9.47	18.78	12.75	0.42	No	Yes	Yes	0.00	9.98	2.77	9.98	10.50	12.14
9/8/2023	8.06	8.06	0.05337	7.63	15.13	10.27	0.33	No	Yes	Yes	0.00	10.17	0.10	10.17	10.70	12.37
9/9/2023	6.90	6.90	0.05337	6.53	12.96	8.79	0.27	No	Yes	Yes	0.00	8.79	0.00	8.79	10.70	12.37
9/10/2023	5.92	5.92	0.05337	5.60	11.12	7.55	0.23	No	Yes	Yes	0.00	7.55	0.00	7.55	10.40	12.03
9/11/2023	5.14	5.14	0.05926	4.84	9.59	6.51	0.22	No	Yes	Yes	0.00	6.51	0.00	6.51	10.10	11.68
9/12/2023	5.65	5.65	0.06597	5.28	10.47	7.11	0.27	No	Yes	Yes	0.00	7.11	0.00	7.11	10.60	12.26
9/13/2023	5.62	5.62	0.06597	5.25	10.41	7.07	0.27	No	Yes	Yes	0.00	7.07	0.00	7.07	10.60	12.26
9/14/2023	24.00	24.00	0.04124	23.01	45.64	30.98	1.07	No	Yes	Yes	0.00	10.37	20.61	10.37	10.90	12.60
9/15/2023	24.00	24.00	0.04358	22.95	45.53	30.91	1.13	No	Yes	Yes	0.00	10.17	20.73	10.17	10.70	12.37
9/16/2023	24.00	24.00	0.04035	23.03	45.68	31.01	1.04	No	Yes	Yes	0.00	9.36	21.65	9.36	9.87	11.41
9/17/2023	24.00	24.00	0.04279	22.97	45.57	30.93	1.11	No	Yes	Yes	0.00	7.79	23.15	7.79	8.27	9.56
9/18/2023	24.00	24.00	0.05200	22.75	45.13	30.64	1.34	No	Yes	Yes	0.00	10.27	20.36	10.27	10.80	12.49
9/19/2023	24.00	24.00	0.05926	22.58	44.78	30.40	1.44	No	Yes	Yes	0.00	10.57	19.83	10.57	11.10	12.84
9/20/2023	24.00	24.00	0.05926	22.58	44.78	30.40	1.47	No	Yes	Yes	0.00	10.27	20.13	10.27	10.80	12.49
9/21/2023	23.80	23.80	0.05926	22.39	44.41	30.15	1.40	No	Yes	Yes	0.00	8.27	21.88	8.27	8.76	10.13
9/22/2023	18.20	18.20	0.05926	17.12	33.96	23.05	0.97	No	Yes	Yes	0.00	9.68	13.37	9.68	10.20	11.80
9/23/2023	15.10	15.10	0.06597	14.10	27.97	18.99	0.85	No	Yes	Yes	0.00	8.92	10.07	8.92	9.42	10.89
9/24/2023	13.40	13.40	0.07512	12.39	24.58	16.69	0.83	No	Yes	Yes	0.00	9.58	7.10	9.58	10.10	11.68
9/25/2023	12.20	12.20	0.07512	11.28	22.38	15.19	0.74	No	Yes	Yes	0.00	9.68	5.51	9.68	10.20	11.80
9/26/2023	11.30	11.30	0.08671	10.32	20.47	13.90	0.78	No	Yes	Yes	0.00	9.58	4.31	9.58	10.10	11.68
9/27/2023	10.60	10.60	0.08671	9.68	19.20	13.04	0.73	No	Yes	Yes	0.00	9.58	3.45	9.58	10.10	11.68
9/28/2023	9.59	9.59	0.08671	8.76	17.37	11.79	0.65	No	Yes	Yes	0.00	9.68	2.11	9.68	10.20	11.80
9/29/2023	8.93	8.93	0.08671	8.16	16.18	10.98	0.60	No	Yes	Yes	0.00	10.86	0.12	10.86	11.40	13.18
9/30/2023	8.04	8.04	0.08671	7.34	14.56	9.89	0.53	No	Yes	Yes	0.00	8.33	1.56	8.33	8.82	10.20
10/1/2023	7.34	7.34	0.08671	6.70	13.30	9.03	0.47	No	Yes	Yes	0.00	1.54	7.49	1.54	1.73	2.00
							24.13					276.19	283.49			
											285.52		301.10		274.16	

RFs (cfs)	Purgatoire Flow to Nearest CFS	Transit Loss from Lookup
7	15.82912	23.00
6	13.32622	20.00
5	11.21973	17.00
5	10.74661	16.00
4	8.658664	13.00
3	6.769089	10.00
2	5.455886	8.00
2	4.670672	7.00
2	4.007301	6.00
2	3.476995	5.00
2	3.818765	6.00
2	3.798489	6.00
7	16.26450	165.00
7	16.26126	81.00
7	16.26568	124.00
7	16.26237	96.00
7	16.24815	40.00
7	16.23499	26.00
7	16.23499	31.00
7	16.09970	24.00
5	12.31153	18.00
5	10.20590	15.00
4	9.045153	13.00
4	8.235139	12.00
3	7.613242	11.00
3	7.141625	11.00
3	6.461150	10.00
3	6.016482	9.00
2	5.416855	8.00
2	4.945239	7.00
0		

Entire Month of September

Total In Stream Priority	877.08
LAWMA's Instream Portion	877.08
Arrival Amount at JMR	824.47
Return Flow Obligation	281.68
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	52.61
CU Arrival at JMR	559.69
Total CU Bypassed for In-State Replacement	0.00
Total CU Water to Permanent Pool	276.19
Total CU Water to Offset Account	283.49
Total CU Transit Loss to LAWMA (Prorated between 02CW181 & 10CW85)	24.13
Total CU Transit Loss to LAWMA (Bypass for In-State Replacement)	0.00
Total CU Transit Loss to LAWMA (Permanent Pool)	11.91
Total CU Transit Loss to LAWMA (Offset Account)	12.22

Amount per Highland Agreement

12.22

LAWMA Highland Accounting 2023

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18	
Date	Purgatoire @ Highland River Gage	Canal Flume	WD 67 River Call?	Available in Priority No 67 Call	In Stream in Priority	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	trloss#1	trloss#2	trloss#3	LAWMA tlossctr	crdtofst	Purg@hgh	Purg@LA	Ark@LA	Arkconfl	factor#1	factor#2	factor#3	
10/1/2023	6.94	0.00	Yes	6.94	6.94	6.62	0.32	0.017	0.006	0.049	0.08671	acre ft	6.9	5.22	17.30	22.52	0.290	0.290	0.290	
10/2/2023	6.28	0.00	Yes	6.28	6.28	5.99	0.29	0.017	0.006	0.049	0.08671		4.49	6.3	5.07	31.70	36.77	0.290	0.290	0.290
10/3/2023	5.67	0.00	Yes	5.67	5.67	5.40	0.27	0.017	0.006	0.049	0.08671		4.07	5.7	5.50	32.00	37.50	0.290	0.290	0.290
10/4/2023	5.18	0.00	Yes	5.18	5.18	4.94	0.24	0.017	0.006	0.049	0.08671		3.67	5.2	7.25	24.40	31.65	0.290	0.290	0.290
10/5/2023	4.79	0.00	Yes	4.79	4.79	4.57	0.22	0.017	0.006	0.049	0.08671		3.35	4.8	4.58	21.30	25.88	0.290	0.290	0.290
10/6/2023	4.45	0.00	Yes	4.45	4.45	4.24	0.21	0.017	0.006	0.049	0.08671		3.10	4.5	3.60	18.00	21.60	0.290	0.290	0.290
10/7/2023	4.12	0.00	Yes	4.12	4.12	3.93	0.19	0.017	0.006	0.049	0.08671		2.88	4.1	3.30	23.50	26.80	0.290	0.290	0.290
10/8/2023	3.94	0.00	Yes	3.94	3.94	3.76	0.18	0.017	0.006	0.049	0.08671		2.67	3.9	3.10	27.20	30.30	0.290	0.290	0.290
10/9/2023	3.84	0.00	Yes	3.84	3.84	3.66	0.18	0.017	0.006	0.049	0.08671		2.55	3.8	2.86	30.80	33.66	0.290	0.290	0.290
10/10/2023	3.63	0.00	Yes	3.63	3.63	3.46	0.17	0.017	0.006	0.049	0.08671		2.49	3.6	2.62	37.80	40.42	0.290	0.290	0.290
10/11/2023	3.38	0.00	Yes	3.38	3.38	3.22	0.16	0.017	0.006	0.040	0.0751207		2.35	3.4	3.47	59.40	62.87	0.290	0.290	0.233
10/12/2023	3.19	0.00	Yes	3.19	3.19	3.04	0.15	0.017	0.006	0.040	0.0751207		2.22	3.2	4.05	92.60	96.65	0.290	0.290	0.233
10/13/2023	2.95	0.00	Yes	2.95	2.95	2.81	0.14	0.017	0.006	0.040	0.0751207		2.09	3.0	3.28	78.50	81.78	0.290	0.290	0.233
10/14/2023	2.84	0.00	Yes	2.84	2.84	2.71	0.13	0.017	0.006	0.040	0.0751207		1.93	2.8	2.83	66.00	68.83	0.290	0.290	0.233
10/15/2023	4.48	0.00	Yes	4.48	4.48	4.27	0.21	0.017	0.006	0.040	0.0751207		1.86	4.5	2.38	53.50	55.88	0.290	0.290	0.233
10/16/2023	6.22	0.00	Yes	6.22	6.22	5.93	0.29	0.017	0.006	0.049	0.08671		2.94	6.2	3.10	44.50	47.60	0.290	0.290	0.290
10/17/2023	5.78	0.00	Yes	5.78	5.78	5.51	0.27	0.017	0.006	0.049	0.08671		4.03	5.8	6.41	36.10	42.51	0.290	0.290	0.290
10/18/2023	6.23	0.00	Yes	6.23	6.23	5.94	0.29	0.017	0.006	0.049	0.08671		3.74	6.2	6.89	25.00	31.89	0.290	0.290	0.290
10/19/2023	5.66	0.00	Yes	5.66	5.66	5.40	0.26	0.017	0.006	0.049	0.08671		4.03	5.7	7.57	16.20	23.77	0.290	0.290	0.290
10/20/2023	4.16	0.00	Yes	4.16	4.16	3.97	0.19	0.017	0.006	0.049	0.08671		3.66	4.2	7.13	16.50	23.63	0.290	0.290	0.290
10/21/2023	4.85	0.00	Yes	4.85	4.85	4.62	0.23	0.017	0.006	0.049	0.08671		2.69	4.9	12.20	28.30	40.50	0.290	0.290	0.290
10/22/2023	2.85	0.00	Yes	2.85	2.85	2.72	0.13	0.017	0.006	0.040	0.0751207		3.14	2.9	15.00	37.80	52.80	0.290	0.290	0.233
10/23/2023	2.67	0.00	Yes	2.67	2.67	2.55	0.12	0.017	0.006	0.040	0.0751207		1.87	2.7	10.70	48.50	59.20	0.290	0.290	0.233
10/24/2023	2.54	0.00	Yes	2.54	2.54	2.42	0.12	0.017	0.006	0.040	0.0751207		1.75	2.5	4.31	57.40	61.71	0.290	0.290	0.233
10/25/2023	2.47	0.00	Yes	2.47	2.47	2.35	0.12	0.017	0.006	0.040	0.0751207		1.67	2.5	3.36	68.10	71.46	0.290	0.290	0.233
10/26/2023	2.62	0.00	Yes	2.62	2.62	2.50	0.12	0.017	0.006	0.040	0.0751207		1.62	2.6	3.31	65.50	68.81	0.290	0.290	0.233
10/27/2023	2.71	0.00	Yes	2.71	2.71	2.58	0.13	0.017	0.006	0.049	0.08671		1.72	2.7	2.90	40.30	43.20	0.290	0.290	0.290
10/28/2023	2.52	0.00	Yes	2.52	2.52	2.40	0.12	0.017	0.006	0.049	0.08671		1.75	2.5	3.77	25.20	28.97	0.290	0.290	0.290
10/29/2023	2.32	0.00	Yes	2.32	2.32	2.21	0.11	0.017	0.006	0.049	0.08671		1.63	2.3	4.39	26.40	30.79	0.290	0.290	0.290
10/30/2023	2.42	0.00	Yes	2.42	2.42	2.31	0.11	0.017	0.006	0.049	0.08671		1.50	2.4	4.48	36.60	41.08	0.290	0.290	0.290
10/31/2023	2.55	0.00	Yes	2.55	2.55	2.43	0.12	0.017	0.006	0.049	0.08671		1.57	2.6	4.46	23.90	28.36	0.290	0.290	0.290
11/1/2023	2.89	0.00											1.65		3.63	29.20				

Red numbers indicate estimated data due to missing or incomplete SatMon data
 Blue numbers indicate revised data based upon hydro adjustments

02CW181 CU factor for October =	35.6%
10CW85 CU factor for October =	38.7%
LAWMA SHARES =	3402
LAWMA LEASED SHARES =	167
DIVERTED SHARES =	231
TOTAL SHARES =	3800

TOTAL AF	235	12
MAX =	831	39
Exceeded?	No	No
Cumulative Annual LAWMA=	3578	
Annual Limit LAWMA=	12862	
Cumulative Annual Leased=	162	
Annual Limit Leased=	602	

83.63082124 100% 83.63082124
 4 100% 4.46282124
 88.09364247

Limit Check		Return Flows			
LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	Total	
6.62	0.32	4.26	0.20	4.46	
5.99	0.29	3.86	0.18	4.04	
5.40	0.27	3.48	0.16	3.64	
4.94	0.24	3.18	0.15	3.33	
4.57	0.22	2.94	0.14	3.08	
4.24	0.21	2.73	0.13	2.86	
3.93	0.19	2.53	0.12	2.65	
3.76	0.18	2.42	0.11	2.53	
3.66	0.18	2.36	0.11	2.47	
3.46	0.17	2.23	0.10	2.33	
3.22	0.16	2.07	0.10	2.17	
3.04	0.15	1.96	0.09	2.05	
2.81	0.14	1.81	0.08	1.90	
2.71	0.13	1.74	0.08	1.82	
4.27	0.21	2.75	0.13	2.88	
5.93	0.29	3.82	0.18	4.00	
5.51	0.27	3.55	0.17	3.71	
5.94	0.29	3.82	0.18	4.00	
5.40	0.26	3.47	0.16	3.64	
3.97	0.19	2.55	0.12	2.67	
4.62	0.23	2.98	0.14	3.12	
2.72	0.13	1.75	0.08	1.83	
2.55	0.12	1.64	0.08	1.72	
2.42	0.12	1.56	0.07	1.63	
2.35	0.12	1.52	0.07	1.59	
2.50	0.12	1.61	0.08	1.68	
2.58	0.13	1.66	0.08	1.74	
2.40	0.12	1.55	0.07	1.62	
2.21	0.11	1.42	0.07	1.49	
2.31	0.11	1.49	0.07	1.55	
2.43	0.12	1.57	0.07	1.64	

LAWMA Highland Accounting 2023

Daily Delivery of Highland Canal Direct Flow Consumptive Use Credits October 2023

Date	In Stream in Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Computed CU Water at JMR (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)	Delivery for In-State Replacement (Yes/No)	Delivery to Permanent Pool (Yes/No)	Delivery to Offset Account (Yes/No)	Bypassed for In-State Replacement (ac-ft)	Amount of CU Water to Permanent Pool (ac-ft)	Amount of CU Water to Offset Account (ac-ft)	Adjustment (ac-ft)	Flow Measurement @ Center Farm Aug Station (cfs)	Amount of CU Water @ CF Aug Station (ac-ft)	RFs (cfs)	Purgatoire Flow to Nearest CFS	Transit Loss from Lookup	
10/2/2023	6.94	6.94	0.08671	5.22	10.35	3.70	0.98	No	Yes	Yes	0.00	0.00	3.70	0.00	0.00	0.00	3	2.027683	815.00	0.8
10/3/2023	6.28	6.28	0.08671	5.07	10.06	3.59	0.69	No	Yes	Yes	0.00	0.00	3.59	0.00	0.00	0.00	3	1.969416	920.00	0.8
10/4/2023	5.67	5.67	0.08671	5.18	10.27	3.67	0.28	No	Yes	Yes	0.00	0.00	3.67	0.00	0.02	0.02	3	2.011506	111.00	0.8
10/5/2023	5.18	5.18	0.08671	4.73	9.38	3.35	0.25	No	Yes	Yes	0.00	0.00	3.35	0.00	0.01	0.01	3	1.837672	52.00	0.8
10/6/2023	4.79	4.79	0.08671	4.37	8.68	3.10	0.24	No	Yes	Yes	0.00	0.00	3.10	0.00	0.01	0.01	3	1.699314	194.00	0.8
10/7/2023	4.45	4.45	0.08671	3.60	7.14	2.55	0.48	No	Yes	Yes	0.00	0.00	2.55	0.00	0.00	0.00	2	1.398402	1500.00	0.8
10/8/2023	4.12	4.12	0.08671	3.30	6.55	2.34	0.47	No	Yes	Yes	0.00	0.00	2.34	0.00	0.00	0.00	2	1.281868	318.00	0.8
10/9/2023	3.94	3.94	0.08671	3.10	6.15	2.20	0.48	No	Yes	Yes	0.00	0.00	2.20	0.00	0.00	0.00	2	1.204179	490.00	0.8
10/10/2023	3.84	3.84	0.08671	2.86	5.67	2.03	0.56	No	Yes	Yes	0.00	0.00	2.03	0.00	0.00	0.00	2	1.110952	931.00	0.8
10/11/2023	3.63	3.63	0.08671	2.62	5.20	1.86	0.57	No	Yes	Yes	0.00	0.00	1.86	0.00	0.00	0.00	2	1.017726	114.00	0.8
10/12/2023	3.38	3.38	0.07512	3.13	6.20	2.22	0.14	No	Yes	Yes	0.00	0.00	2.22	0.00	0.00	0.00	2	1.201364	76.00	0.8
10/13/2023	3.19	3.19	0.07512	2.95	5.85	2.09	0.14	No	Yes	Yes	0.00	0.00	2.09	0.00	0.00	0.00	2	1.133832	48.00	0.8
10/14/2023	2.95	2.95	0.07512	2.73	5.41	1.93	0.13	No	Yes	Yes	0.00	1.43	0.50	1.43	1.62	1.87	2	1.048528	168.00	0.8
10/15/2023	2.84	2.84	0.07512	2.63	5.21	1.86	0.12	No	Yes	Yes	0.00	1.86	0.00	1.86	8.71	10.07	2	1.009430	51.00	0.8
10/16/2023	4.48	4.48	0.07512	2.38	4.72	1.69	1.13	No	Yes	Yes	0.00	1.69	0.00	1.69	11.70	13.53	2	0.914639	27.00	0.75666
10/17/2023	6.22	6.22	0.08671	3.10	6.15	2.20	1.77	No	Yes	Yes	0.00	2.20	0.00	2.20	9.32	10.78	2	1.204179	87.00	0.8
10/18/2023	5.78	5.78	0.08671	5.28	10.47	3.74	0.28	No	Yes	Yes	0.00	0.00	3.74	0.00	0.06	0.07	3	2.050530	45.00	0.8
10/19/2023	6.23	6.23	0.08671	5.69	11.29	4.03	0.30	No	Yes	Yes	0.00	0.00	4.03	0.00	0.00	0.00	4	2.210173	36.00	0.78663
10/20/2023	5.66	5.66	0.08671	5.17	10.25	3.66	0.28	No	Yes	Yes	0.00	0.00	3.66	0.00	0.00	0.00	3	2.007958	119.00	0.8
10/21/2023	4.16	4.16	0.08671	3.80	7.54	2.69	0.20	No	Yes	Yes	0.00	0.00	2.69	0.00	0.00	0.00	2	1.475814	288.00	0.8
10/22/2023	4.85	4.85	0.08671	4.43	8.79	3.14	0.24	No	Yes	Yes	0.00	0.00	3.14	0.00	0.00	0.00	3	1.720600	370.00	0.8
10/23/2023	2.85	2.85	0.07512	2.64	5.23	1.87	0.12	No	Yes	Yes	0.00	0.00	1.87	0.00	0.00	0.00	2	1.012985	220.00	0.8
10/24/2023	2.67	2.67	0.07512	2.47	4.90	1.75	0.11	No	Yes	Yes	0.00	0.00	1.75	0.00	0.00	0.00	2	0.949007	76.00	0.8
10/25/2023	2.54	2.54	0.07512	2.35	4.66	1.67	0.11	No	Yes	Yes	0.00	0.00	1.67	0.00	0.00	0.00	2	0.902800	49.00	0.8
10/26/2023	2.47	2.47	0.07512	2.28	4.53	1.62	0.10	No	Yes	Yes	0.00	0.00	1.62	0.00	0.00	0.00	1	0.877920	39.00	0.79662
10/27/2023	2.62	2.62	0.07512	2.42	4.81	1.72	0.11	No	Yes	Yes	0.00	0.00	1.72	0.00	0.07	0.08	2	0.931235	32.00	0.77331
10/28/2023	2.71	2.71	0.08671	2.48	4.91	1.75	0.13	No	Yes	Yes	0.00	1.75	0.00	1.75	6.16	7.12	2	0.961407	27.00	0.75666
10/29/2023	2.52	2.52	0.08671	2.30	4.57	1.63	0.12	No	Yes	Yes	0.00	1.63	0.00	1.63	8.43	9.75	1	0.894002	45.00	0.8
10/30/2023	2.32	2.32	0.08671	2.12	4.20	1.50	0.11	No	Yes	Yes	0.00	1.50	0.00	1.50	5.62	6.50	1	0.823050	28.00	0.75999
10/31/2023	2.42	2.42	0.08671	2.21	4.38	1.57	0.11	No	Yes	Yes	0.00	1.57	0.00	1.57	2.50	2.89	1	0.858526	30.00	0.76865
11/1/2023	2.55	2.55	0.08671	2.33	4.62	1.65	0.12	No	Yes	Yes	0.00	0.02	1.63	0.02	0.02	0.02		0.904645	26.00	0.75333

10.74

15.17

66.60

13.65

Entire Month of October

Total In Stream Priority	246.45	
LAWMA's Instream Portion	246.45	
Arrival Amount at JMR	208.13	
Return Flow Obligation	158.36	
Transit Loss (LAWMA's Instream Portion - Arrival Amount at JMR)	38.32	
CU Arrival at JMR	74.39	
Total CU Bypassed for In-State Replacement	0.00	
Total CU Water to Permanent Pool	13.65	
Total CU Water to Offset Account	60.74	Amount per Highland Agreement
Total CU Transit Loss to LAWMA (Prorated between 02CW181 & 10CW85)	10.86	8.85
Total CU Transit Loss to LAWMA (Bypass for In-State Replacement)	0.00	
Total CU Transit Loss to LAWMA (Permanent Pool)	2.02	
Total CU Transit Loss to LAWMA (Offset Account)	8.85	

Enclosure 2

Permanent Pool Approval and Resolution

**MEMORANDUM OF AGREEMENT RELATED TO THE DELIVERY
OF HIGHLAND CANAL WATER INTO THE PERMANENT POOL
AT JOHN MARTIN RESERVOIR**

This MEMORANDUM OF AGREEMENT RELATED TO THE DELIVERY OF HIGHLAND CANAL WATER INTO THE PERMANENT POOL AT JOHN MARTIN RESERVOIR (“Agreement”) is entered into this 21st day of February, 2019, by and between the State of Colorado and the State of Kansas (collectively the “States”).

WHEREAS, the Arkansas River Compact was entered into between the States and consented to by the United States in 1948 to equitably divide and apportion the waters of the Arkansas River and their utilization, among other purposes, between the States;

WHEREAS, the Flood Control Act of 1965 authorized a permanent pool for wildlife and recreation purposes at John Martin Reservoir (“Permanent Pool”);

WHEREAS, various other acts by the States and by the Arkansas River Compact Administration (“ARCA”) have recognized the authority for creating and operating the Permanent Pool;

WHEREAS, a ready source of water supply has not always been available to the State of Colorado for the Permanent Pool;

WHEREAS, the Highland Canal water rights (“Highland Canal Water”) are an important source of water for the Offset Account at John Martin Reservoir;

WHEREAS, pursuant to a water management agreement between the Colorado Division of Parks and Wildlife and the Lower Arkansas Water Management Association (“LAWMA”), LAWMA will allow use of its Highland Canal Water, located in District 17 upstream of John Martin Reservoir and diverting from the Purgatoire River, as a source of water supply for the Permanent Pool; and

WHEREAS, for the mutual benefit of the States, the State of Colorado and the State of Kansas wish to authorize the delivery of Highland Canal Water into the Permanent Pool under the conditions contained in this Agreement.

NOW THEREFORE, BE IT AGREED,

1. Highland Canal Water may not be delivered to the Permanent Pool pursuant to this Agreement until ARCA approves the use of Highland Canal Water as a source of water for the Permanent Pool.
2. Each year that this Agreement is in effect, the State of Colorado and LAWMA agree to deliver an amount of fully consumable water (“Delivery Requirement”) to the Offset Account in John Martin Reservoir between March 1st and November 15th, as determined each year pursuant to this Agreement.

3. This Agreement will be in effect during each calendar year that LAWMA delivers Highland Canal Water to the Permanent Pool and the terms and conditions of this Agreement will only apply at times when the Agreement is in effect.
4. By March 1st of each year, LAWMA shall provide to the Colorado Division of Water Resources, along with their Rule 14 Replacement Plan Application and their Annual Augmentation Plan Projection, an annual source analysis in the format shown in the file “LAWMA_SourceAnalysisForHighlandPermanentPool_EstimateV1.0” (“Annual Source Analysis”) or a subsequent version as agreed to by the States pursuant to this Agreement. The Annual Source Analysis is hereby incorporated by reference. The Annual Source Analysis, LAWMA’s Rule 14 Replacement Application, and LAWMA’s Annual Augmentation Plan Projection shall be provided by the State of Colorado to the State of Kansas no later than March 5th of each year. This Annual Source Analysis will propose an Annual Target Amount and a Minimum Delivery Amount.
5. Water in the Kansas Charge subaccount and any non-consumable storage subaccounts in the Offset Account shall not be considered a part of the Annual Target Amount or Minimum Delivery Amount deliveries under this Agreement.
6. The March 1 Offset Account storage balance for the consumable subaccounts, with the exception of the Kansas Charge subaccount, will be used to determine a Minimum Delivery Amount as part of the Annual Source Analysis. If on March 1, the Offset Account storage balance is 4,000 acre-feet or less, the Minimum Delivery Amount will be 6,000 acre-feet. If on March 1, the Offset Account storage balance is between 4,001 acre-feet and 10,000 acre-feet, the Minimum Delivery Amount will be the difference between 10,000 acre-feet and Offset Account storage balance on March 1. If on March 1, the Offset Account storage balance is more than 10,000 acre-feet, the Minimum Delivery Amount will be zero. However, if the amount released by Kansas from the Offset Account during the prior calendar year for Stateline delivery was 2,000 acre-feet or less, the Minimum Delivery Amount as calculated above will be further reduced by 2,000 acre-feet or shall be zero, whichever is greater.
7. During the month of March each year the States shall confer with one another and LAWMA, and either accept or recommend modification of the values used in the Annual Source Analysis and determine the final values for the Annual Target Amount and the Minimum Delivery Amount. The Delivery Requirement will be the greater of Annual Target Amount or Minimum Delivery Amount and shall be set by agreement between the Assistant Operations Secretary and Operations Secretary acting on behalf of each State by March 31st of each year. If the States and LAWMA cannot reach agreement prior to March 31st in any year, Highland Canal Water will not be delivered to the Permanent Pool during that calendar year and none of the other requirements of this Agreement shall be in effect for that calendar year, unless otherwise agreed to in writing by the States and LAWMA.
8. Any agreement related to the values coming out of the Annual Source Analysis does not constitute agreement with LAWMA’s underlying accounting.

9. This Agreement shall not prohibit deliveries to the Offset Account in excess of the Delivery Requirement, nor shall this Agreement limit the ability to deliver Highland Canal Water to the Offset Account.
10. At least two thirds of the Delivery Requirement shall be delivered to the Offset Account by July 1st.
11. LAWMA agrees to provide a clear and concise report to the State of Colorado on LAWMA's Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account, separated by pre-1986 and post-1985 depletions. Such report shall be delivered to the State of Colorado and forwarded to the State of Kansas by Colorado by the 15th of each month from April through October, recognizing that the data available to LAWMA's engineer will be estimated for some replacement sources and may be updated in subsequent reports. These reports shall be formatted to include, at a minimum, the following information:

For (month/year) there are _____ acre-feet of pre-1986 Stateline depletions and _____ acre-feet of post-1985 Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account. For the calendar year, there are a total of _____ acre-feet of pre-1986 Stateline depletions and _____ acre-feet of post-1985 Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account.
12. In the case of a spill of the Offset Account, or if a spill of the Offset Account appears likely, any quantity of water required by this Agreement to be delivered to the Offset Account may be delayed for the purpose of avoiding a spill of such deliveries. The terms and conditions of any such delay shall be first proposed in writing by LAWMA. There shall be no allowable delay in delivery until such terms and conditions are approved in writing by the Chief Engineer of the State of Kansas.
13. LAWMA and the Colorado Division of Parks and Wildlife must obtain approval for a Substitute Water Supply Plan ("SWSP") pursuant to §37-92-308(4) or §37-92-308(5) of the Colorado Revised Statutes or obtain an applicable change of use decree from Colorado Water Court prior to delivery of Highland Canal Water to the Permanent Pool.
14. After ARCA has approved the use Highland Canal Water as a source of water for the Permanent Pool and upon receipt of an approved SWSP or Colorado Water Court approval, Highland Canal Water may be delivered to the Permanent Pool on a daily basis to the extent it is not needed to fulfill the commitment to the Offset Account pursuant to the terms of this Agreement.
15. Highland Canal Water shall not be delivered to the Permanent Pool in months when any portion of Highland Canal Water is used for in-state replacement.

16. Replacement credit will not be claimed as special water input to the H-I Model for the unconsumed transit losses incurred when Highland Canal Water is being delivered to the Permanent Pool. LAWMA may claim in-state replacement credit in the monthly accounting maintained by the State of Colorado for unconsumed transit losses allowed by either of the LAWMA decrees entered in Case Nos. 02CW181 and 10CW085, District Court, Water Division No. 2, State of Colorado, or an approved SWSP, provided that such claims do not exceed the allowable amounts contained in **Attachment A** (MEMORANDUM OF AGREEMENT RELATED TO THE HIGHLAND CANAL WATER RIGHT AND RESOLUTION OF LOWER ARKANSAS WATER MANAGEMENT ASSOCIATION MATRIX ISSUES NOS. 9 AND 12).
17. LAWMA or the Colorado Division of Parks and Wildlife, through Colorado Division of Water Resources staff, shall notify the State of Kansas and the ARCA Operations Secretary prior to beginning delivery of Highland Canal Water to the Permanent Pool.
18. The ARCA Operations Secretary shall keep accurate records of all deliveries into the Permanent Pool, provide such information to the State of Kansas upon request, and include an annual summary of all Permanent Pool operations in the Operation Secretary's annual report to ARCA.
19. Nothing in this Agreement shall be construed to alter in any way the State of Colorado's obligation to maintain compliance with the Arkansas River Compact.
20. Approval of this Agreement does not waive either State's position on allowable uses of Highland Canal Water.
21. Approval of this Agreement does not waive either State's position concerning the interpretation of Appendix A.4 of the decree entered in *Kansas v. Colorado*, No. 105, Orig.
22. The States agree to review at each ARCA Annual Meeting the terms of this Agreement and ensure they are being implemented as intended and with the desired effect, including whether any modification of the Agreement is necessary. The review shall be conducted by the Engineering Committee, unless otherwise assigned by ARCA, and the results shall be reported by the committee during its annual meeting report. The annual review may be waived if agreed to by both States.
23. Any proposed changes to the Annual Source Analysis, including any changes to the spreadsheet upon which the Annual Source Analysis is based, shall be considered during the ARCA Annual Meeting review of this Agreement. The States shall agree to any proposed changes by memorializing them in writing in a formal addendum that shall be attached to this Agreement. All approved changes shall take effect for the next Annual Source Analysis after approval by the States. Changes to the Annual Source Analysis shall not require approval by ARCA.
24. Following the annual review and ARCA Annual Meeting, this Agreement may be suspended by either State if notice is provided to ARCA and the other State by

January 15th of the calendar year in which the Agreement shall be suspended. Such notice shall be in writing and contain both a preliminary statement about why the Agreement has been suspended and any specific issues for discussion between the States. If the Agreement remains suspended for three consecutive years, then the Agreement shall terminate unless otherwise agreed upon in writing by the States.

25. All notices, reports, and other documents required by this Agreement may be delivered by email or any other electronic means acceptable to the States.



Kevin G. Rein, P.E.
Colorado State Engineer



David W. Barfield, P.E.
Kansas Chief Engineer

2 of 2 originals

Enclosure 3

Substitute Water Supply Plan Approval for Highland Canal
Use in the Permanent Pool



February 27, 2023

Randy Hendrix
Hendrix Wai Engineering, Inc.
PO Box 4487
Parker, CO 80134

**RE: JMR Permanent Pool Substitute Water Supply Plan
John Martin Reservoir, Bent County, 6th PM
Division 2, Water District 67
Case No. 20CW3015, SWSP ID 5919, WDID 6707869**

Approval period: April 1, 2023 through March 31, 2024
Contact Phone Number for Mr. Hendrix: 720-934-4360; randy@hendrix-wai.com

Dear Mr. Hendrix:

We have reviewed your December 27, 2022 letter requesting a substitute water supply plan (“SWSP”) pursuant to § 37-92-308(4), C.R.S., for a temporary change of water right for the use of the Highland Canal water rights owned by the Lower Arkansas Water Management Association (“LAWMA”). LAWMA has applied for a change of water rights in Division 2 Water Court Case No. 20CW3015. Notice was served to all parties who have filed a statement of opposition to the plan in water court on December 27, 2022. No comments were received during the 35-day comment period. The \$300 filing fee has been received and given receipt no. 10026170.

The LAWMA’s SWSP was originally approved pursuant to § 37-92-308(5), C.R.S. on May 24, 2017 for operation beginning June 1, 2017. The three years operated under § 37-92-308(5), C.R.S. will count towards the annual renewal limits contained in § 37-92-308(4), C.R.S. Pursuant to §37-92-308(4)(b), C.R.S., “If an applicant requests renewal of a plan that would extend the plan past five years from the initial date of approval, the applicant shall demonstrate to the water judge in the applicable water division that the delay in obtaining a decree has been justifiable and that not being able to continue operating under a substitute water supply plan until a decree is entered will cause undue hardship to the applicant.” A Motion was filed in Case No. 20CW3015 on December 6, 2022 to extend the SWSP and the Motion was also granted on December 6, 2022. **This is the seventh year of approval for this SWSP.**

SWSP OPERATION

The purpose of this SWSP is to approve a temporary change in the use of Highland Canal water rights owned by LAWMA, that were previously changed and quantified by LAWMA in Case Nos. 02CW181 and 10CW85, in order to fill the Permanent Pool in John Martin Reservoir (“JMR”) and thereafter replace evaporation from the Permanent Pool. Pursuant to the decrees entered in Case Nos. 02CW181 and 10CW85, the Highland Canal water rights may be used for augmentation or



replacement of depletions in the Arkansas River or its tributaries by LAWMA. The Highland Canal water rights changed in Case Nos. 02CW181 and 10CW85 are currently decreed to be diverted and stored only in the JMR Offset Account. Subject to the terms and conditions included in the agreement entered into between the states of Colorado and Kansas ("Permanent Pool Agreement") dated February 21, 2019, LAWMA has agreed to provide fully-consumable water from its Highland Canal water rights for use by the Colorado Division of Parks and Wildlife ("CPW") in the Permanent Pool. Both the Permanent Pool and the Offset Account are storage accounts located within JMR. Therefore, there is no physical change in the place of storage of the Highland Canal water rights when the water rights are stored in JMR's Permanent Pool account or the Offset Account. However, because all or a portion of the Highland Canal water rights changed in Case Nos. 02CW181 and 10CW85 will no longer be delivered to the Offset Account, the use of the Highland Canal water rights changed in Case Nos. 02CW181 and 10CW85 need to be temporarily changed to allow storage in the Permanent Pool in JMR. For the Highland Canal water rights changed in Case Nos. 02CW181 and 10CW85, the allowable uses will also be temporarily changed by this SWSP to include, in addition to the currently decreed augmentation and replacement uses, fish, wildlife, and recreational purposes in JMR and replacement of evaporation from the Permanent Pool in JMR.

Arkansas River Compact Administration ("ARCA") established a Permanent Pool in JMR for fish, wildlife and recreational purposes not to exceed 15,000 acre-feet. This Pool is protected from spill when its volume is 10,000 acre-feet or less. The Pool is normally filled and maintained by CPW using either water from Muddy Creek (decreed in CA-1434) or purchased transmountain water. Muddy Creek does not produce sufficient flow to fill the Pool, or to cover evaporation losses (JMR apportions evaporative losses through the accounts in the reservoir). Transmountain water supplies are prohibitively expensive for CPW. Therefore, the agency is seeking a more permanent and reliable source to cover evaporative losses and fill the Permanent Pool.

A special ARCA meeting was held by telephone on February 14, 2019, during which Resolution No. 2019-01 was approved to authorize the use of the Highland Canal for delivery to the JMR pool.

DEPLETIONS

Depletions to the Permanent Pool consist primarily of evaporative losses. The evaporative losses from the Permanent Pool depend on the volumes of water in storage in the Permanent Pool. Based on the water surface, the average evaporative losses are 26,478 acre feet over all the storage accounts. Evaporative losses on the water stored in the Permanent Pool have averaged 1,942 acre-feet annually (see Table 1). The amount of Highland Canal consumptive use credits available under the change decrees in Case Nos. 02CW181 and 10CW85 averages 4,499 acre-feet per year (Table 2, column 2). See the attached Table 2 for additional details regarding the Operational Scenario presented in this SWSP request.

CONDITIONS OF APPROVAL

This SWSP is hereby approved pursuant to § 37-92-308(4), C.R.S., subject to the following conditions:

1. This SWSP shall be valid for the period of **April 1, 2023 through March 31, 2024**, unless otherwise revoked, or superseded by decree. Additional SWSPs are required until a court

decree is obtained in pending Case No. 20CW3015 for the proposed uses. Any request for an additional SWSP is subject to the provisions of C.R.S. 37-92-308(4), and the statutory fee of \$300 will be required pursuant to C.R.S. 37-92-308(8). Any request for an additional SWSP must be submitted to this office no later than **January 1, 2024**.

2. The initial date of approval for this SWSP was May 24, 2017 for operation beginning June 1, 2017. Pursuant to § 37-92-308(4)(b), C.R.S., “If an applicant requests renewal of a plan that would extend the plan past five years from the initial date of approval, the applicant shall demonstrate to the water judge in the applicable water division that the delay in obtaining a decree has been justifiable and that not being able to continue operating under a substitute water supply plan until a decree is entered will cause undue hardship to the applicant.” **This SWSP will not be approved for the 2024 - 2025 period unless we receive evidence from the court that the applicant has met this requirement.**
3. Approval of this SWSP is for the purposes stated herein. ARCA Resolution No. 2019-01 (dated February 14, 2019) and the Permanent Pool Agreement (dated February 21, 2019) permit the operation as described herein. Operations approved under this SWSP shall comply with these agreements. Any renewal of this SWSP **MUST** have prior approval by all entities involved. Additionally, operation of the Highland Canal water rights shall be done in adherence to the Memorandum of Agreement Related to the Highland Canal Water Right and Resolution of Lower Arkansas Water Management Association Matrix Issues Nos. 9 and 12 dated February 21, 2019 (Highland Water Right Agreement) also attached.
4. Credits for use of the Highland Canal water right for delivery to the Permanent Pool may begin as of April 1, 2023, being the beginning date of operation of this SWSP.
5. Accounting of water in this SWSP will be performed utilizing the shared Google accounting sheet for the Highland Canal water right maintained jointly by LAWMA and the Division 2 Office with any distribution of the accounting accomplished by the Division 2 Office and/or LAWMA as appropriate.
6. Maintenance of return flows for the Highland Canal water rights and volumetric limits shall comply with the requirements of the decrees in Case Nos. 02CW181 and 10CW085 when the water rights are used for the Permanent Pool uses approved under this SWSP as further delineated in the Highland Water Right Agreement.
7. Use of water for the Permanent Pool is subject to compliance with all terms and conditions of the decrees in Case Nos. 02CW181 and 10CW085, including any limitations on use of the Highland Canal water for “New Uses” related to compliance with revegetation provisions of such decrees.
8. The State Engineer may revoke this SWSP or add additional restrictions to its operation if at any time the State Engineer determines that injury to other vested water rights has or will occur as a result of the operation of this SWSP. Should this SWSP expire without renewal or be revoked prior to adjudication of a permanent plan for augmentation, all use of water under this SWSP must cease immediately.
9. The decision of the State Engineer shall have no precedential or evidentiary force, shall not

create any presumptions, shift the burden of proof, or serve as a defense in any pending water court case or any other legal action that may be initiated concerning the SWSP. This decision shall not bind the State Engineer to act in a similar manner in any other applications involving other SWSPs or in any proposed renewal of this SWSP, and shall not imply concurrence with any findings of fact or conclusions of law contained herein, or with the engineering methodologies used by the Applicant. Any appeal of a decision made by the State Engineer concerning an SWSP pursuant to § 37-92-308(4), C.R.S., shall be to the Division 2 Water Judge within thirty days of the date of this decision and shall be consolidated with the pending water court application.

Should you have any questions, please contact Melissa van der Poel of this office or Lonnie Spady, in our Division 2 office in La Junta at (719) 384-1000.

Sincerely,



Melissa van der Poel, P.E.
For Jeff Deatherage, P.E.
Chief of Water Supply

Attachments: ARCA Resolution No. 2019-01
Permanent Pool Agreement
Highland Water Right Agreement
Tables 1, 2

cc: Rachel Zancanella, Division Engineer
Kevin Salter, Kansas Department of Agriculture
Dale Book, Spronk Water Engineers
Brett Ackerman, CPW
Rena Griggs, CPW
Ema Schultz, AGO
Dan Steuer, AGO
Roy Cue, LAWMA
Richard Mehren, MWHW
Division 2 SWSP Review Team
Brandy Cole, East Regional Team Leader
Opposers in Case No. 20CW3015

ARKANSAS RIVER COMPACT ADMINISTRATION		
Lamar, Colorado 81052		
For Colorado	Chair and Federal Representative	For Kansas
Rebecca Mitchell, Denver	James Rizzuto, Swink, CO	David Barfield, Topeka
Lane Malone, Holly	Randy Hayzlett, Lakin	
Scott Brazil, Vineland	Troy Dumler, Garden City	

DATE FILED: April 16, 2020 11:48 AM
 FILING ID: C60ADC88D15F7
 CASE NUMBER: 2020CW3015

**Arkansas River Compact Administration
 Resolution No. 2019-01**

Regarding John Martin Reservoir Permanent Pool

WHEREAS, Section 204 of the Flood Control Act of 1965 authorized a “permanent pool for fish and wildlife and recreational purposes” at John Martin Reservoir (“JMR”); and

WHEREAS, Section 204 of the Flood Control Act of 1965 required that the State of Colorado “purchase and make available any water rights necessary under State law to establish and thereafter maintain the permanent pool”; and

WHEREAS, Section 204 of the Flood Control Act of 1965 required that the Arkansas River Compact Administration (“ARCA”) approve “written terms and conditions . . . [for] establishing, maintaining, and operating the permanent pool”; and

WHEREAS, by the Resolution Concerning John Martin Reservoir Permanent Pool (“1976 Resolution”) adopted on August 14, 1976, ARCA “approve[d] the creation in [JMR] of a permanent pool . . . and adopt[ed] the criteria . . . as procedures for the operation of [JMR]”; and

WHEREAS, the 1976 Resolution further provided that “water deliveries from other valid water rights owned or controlled by the State of Colorado may be added to the permanent pool water supply subject to the approval of [ARCA]”; and

WHEREAS, The Resolution Concerning an Operating Plan for John Martin Reservoir (Apr. 24, 1980, as amended) (“1980 Operating Plan”) recognizes the permanent pool authorized by the 1976 Resolution and makes the operation of the permanent pool subject to the terms of the 1980 Operating Plan; and

WHEREAS, pursuant to a Water Management Agreement between the Colorado Division of Parks and Wildlife and the Lower Arkansas Water Management Association (“LAWMA”), LAWMA will allow use of its Highland Canal water rights located in District 17 upstream of JMR and diverting from the Purgatoire River as a source of water supply for the permanent pool; and

WHEREAS, the States of Colorado and Kansas have agreed to the delivery of fully consumable water from LAWMA's Highland Canal water rights under certain conditions ;

NOW THEREFORE, BE IT RESOLVED that pursuant to the terms of its 1976 Resolution the Arkansas River Compact Administration hereby approves the use of the Highland Canal water rights, formerly diverted from the Purgatoire River in District 17, as an additional source of water supply for the permanent pool at JMR so long as the States of Colorado and Kansas maintain a written agreement between them which allows such use and sets forth any applicable terms and conditions of that use.

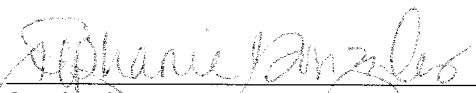
ADOPTED by the Arkansas River Compact Administration at the Special Meeting held telephonically on February 14, 2019.

The effective date of this Resolution shall be the date on which the Chief of Engineers of the Corps of Engineers, or his duly authorized representative, concurs with this Resolution by signing and dating below in the space provided.



Jim Rizzuto, Chairman
Arkansas River Compact Administration

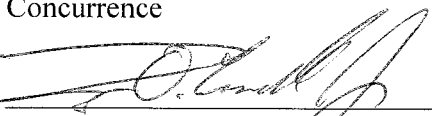
2/15/2019
Date



Stephanie Gonzales, Recording Secretary,
Arkansas River Compact Administration

2/21/2019
Date

Concurrence



Lt. Col Dale Caswell, Jr.
Commander and District Engineer,
Albuquerque District, U.S. Army Corps of Engineers
Duly Authorized Representative of the Chief of Engineers,
U.S. Army Corps of Engineers

8 MAR 19
Date

Copy 1 of 4

**MEMORANDUM OF AGREEMENT RELATED TO THE DELIVERY
OF HIGHLAND CANAL WATER INTO THE PERMANENT POOL
AT JOHN MARTIN RESERVOIR**

DATE FILED: April 16, 2020 11:48 AM
FILING ID: C60ADC88D15F7
CASE NUMBER: 2020CW3015

This MEMORANDUM OF AGREEMENT RELATED TO THE DELIVERY OF HIGHLAND CANAL WATER INTO THE PERMANENT POOL AT JOHN MARTIN RESERVOIR (“Agreement”) is entered into this 21st day of February, 2019, by and between the State of Colorado and the State of Kansas (collectively the “States”).

WHEREAS, the Arkansas River Compact was entered into between the States and consented to by the United States in 1948 to equitably divide and apportion the waters of the Arkansas River and their utilization, among other purposes, between the States;

WHEREAS, the Flood Control Act of 1965 authorized a permanent pool for wildlife and recreation purposes at John Martin Reservoir (“Permanent Pool”);

WHEREAS, various other acts by the States and by the Arkansas River Compact Administration (“ARCA”) have recognized the authority for creating and operating the Permanent Pool;

WHEREAS, a ready source of water supply has not always been available to the State of Colorado for the Permanent Pool;

WHEREAS, the Highland Canal water rights (“Highland Canal Water”) are an important source of water for the Offset Account at John Martin Reservoir;

WHEREAS, pursuant to a water management agreement between the Colorado Division of Parks and Wildlife and the Lower Arkansas Water Management Association (“LAWMA”), LAWMA will allow use of its Highland Canal Water, located in District 17 upstream of John Martin Reservoir and diverting from the Purgatoire River, as a source of water supply for the Permanent Pool; and

WHEREAS, for the mutual benefit of the States, the State of Colorado and the State of Kansas wish to authorize the delivery of Highland Canal Water into the Permanent Pool under the conditions contained in this Agreement.

NOW THEREFORE, BE IT AGREED,

1. Highland Canal Water may not be delivered to the Permanent Pool pursuant to this Agreement until ARCA approves the use of Highland Canal Water as a source of water for the Permanent Pool.
2. Each year that this Agreement is in effect, the State of Colorado and LAWMA agree to deliver an amount of fully consumable water (“Delivery Requirement”) to the Offset Account in John Martin Reservoir between March 1st and November 15th, as determined each year pursuant to this Agreement.

3. This Agreement will be in effect during each calendar year that LAWMA delivers Highland Canal Water to the Permanent Pool and the terms and conditions of this Agreement will only apply at times when the Agreement is in effect.
4. By March 1st of each year, LAWMA shall provide to the Colorado Division of Water Resources, along with their Rule 14 Replacement Plan Application and their Annual Augmentation Plan Projection, an annual source analysis in the format shown in the file “LAWMA_SourceAnalysisForHighlandPermanentPool_EstimateV1.0” (“Annual Source Analysis”) or a subsequent version as agreed to by the States pursuant to this Agreement. The Annual Source Analysis is hereby incorporated by reference. The Annual Source Analysis, LAWMA’s Rule 14 Replacement Application, and LAWMA’s Annual Augmentation Plan Projection shall be provided by the State of Colorado to the State of Kansas no later than March 5th of each year. This Annual Source Analysis will propose an Annual Target Amount and a Minimum Delivery Amount.
5. Water in the Kansas Charge subaccount and any non-consumable storage subaccounts in the Offset Account shall not be considered a part of the Annual Target Amount or Minimum Delivery Amount deliveries under this Agreement.
6. The March 1 Offset Account storage balance for the consumable subaccounts, with the exception of the Kansas Charge subaccount, will be used to determine a Minimum Delivery Amount as part of the Annual Source Analysis. If on March 1, the Offset Account storage balance is 4,000 acre-feet or less, the Minimum Delivery Amount will be 6,000 acre-feet. If on March 1, the Offset Account storage balance is between 4,001 acre-feet and 10,000 acre-feet, the Minimum Delivery Amount will be the difference between 10,000 acre-feet and Offset Account storage balance on March 1. If on March 1, the Offset Account storage balance is more than 10,000 acre-feet, the Minimum Delivery Amount will be zero. However, if the amount released by Kansas from the Offset Account during the prior calendar year for Stateline delivery was 2,000 acre-feet or less, the Minimum Delivery Amount as calculated above will be further reduced by 2,000 acre-feet or shall be zero, whichever is greater.
7. During the month of March each year the States shall confer with one another and LAWMA, and either accept or recommend modification of the values used in the Annual Source Analysis and determine the final values for the Annual Target Amount and the Minimum Delivery Amount. The Delivery Requirement will be the greater of Annual Target Amount or Minimum Delivery Amount and shall be set by agreement between the Assistant Operations Secretary and Operations Secretary acting on behalf of each State by March 31st of each year. If the States and LAWMA cannot reach agreement prior to March 31st in any year, Highland Canal Water will not be delivered to the Permanent Pool during that calendar year and none of the other requirements of this Agreement shall be in effect for that calendar year, unless otherwise agreed to in writing by the States and LAWMA.
8. Any agreement related to the values coming out of the Annual Source Analysis does not constitute agreement with LAWMA’s underlying accounting.

9. This Agreement shall not prohibit deliveries to the Offset Account in excess of the Delivery Requirement, nor shall this Agreement limit the ability to deliver Highland Canal Water to the Offset Account.
10. At least two thirds of the Delivery Requirement shall be delivered to the Offset Account by July 1st.
11. LAWMA agrees to provide a clear and concise report to the State of Colorado on LAWMA's Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account, separated by pre-1986 and post-1985 depletions. Such report shall be delivered to the State of Colorado and forwarded to the State of Kansas by Colorado by the 15th of each month from April through October, recognizing that the data available to LAWMA's engineer will be estimated for some replacement sources and may be updated in subsequent reports. These reports shall be formatted to include, at a minimum, the following information:

For (month/year) there are _____ acre-feet of pre-1986 Stateline depletions and _____ acre-feet of post-1985 Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account. For the calendar year, there are a total of _____ acre-feet of pre-1986 Stateline depletions and _____ acre-feet of post-1985 Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account.
12. In the case of a spill of the Offset Account, or if a spill of the Offset Account appears likely, any quantity of water required by this Agreement to be delivered to the Offset Account may be delayed for the purpose of avoiding a spill of such deliveries. The terms and conditions of any such delay shall be first proposed in writing by LAWMA. There shall be no allowable delay in delivery until such terms and conditions are approved in writing by the Chief Engineer of the State of Kansas.
13. LAWMA and the Colorado Division of Parks and Wildlife must obtain approval for a Substitute Water Supply Plan ("SWSP") pursuant to §37-92-308(4) or §37-92-308(5) of the Colorado Revised Statutes or obtain an applicable change of use decree from Colorado Water Court prior to delivery of Highland Canal Water to the Permanent Pool.
14. After ARCA has approved the use Highland Canal Water as a source of water for the Permanent Pool and upon receipt of an approved SWSP or Colorado Water Court approval, Highland Canal Water may be delivered to the Permanent Pool on a daily basis to the extent it is not needed to fulfill the commitment to the Offset Account pursuant to the terms of this Agreement.
15. Highland Canal Water shall not be delivered to the Permanent Pool in months when any portion of Highland Canal Water is used for in-state replacement.

16. Replacement credit will not be claimed as special water input to the H-I Model for the unconsumed transit losses incurred when Highland Canal Water is being delivered to the Permanent Pool. LAWMA may claim in-state replacement credit in the monthly accounting maintained by the State of Colorado for unconsumed transit losses allowed by either of the LAWMA decrees entered in Case Nos. 02CW181 and 10CW085, District Court, Water Division No. 2, State of Colorado, or an approved SWSP, provided that such claims do not exceed the allowable amounts contained in **Attachment A** (MEMORANDUM OF AGREEMENT RELATED TO THE HIGHLAND CANAL WATER RIGHT AND RESOLUTION OF LOWER ARKANSAS WATER MANAGEMENT ASSOCIATION MATRIX ISSUES NOS. 9 AND 12).
17. LAWMA or the Colorado Division of Parks and Wildlife, through Colorado Division of Water Resources staff, shall notify the State of Kansas and the ARCA Operations Secretary prior to beginning delivery of Highland Canal Water to the Permanent Pool.
18. The ARCA Operations Secretary shall keep accurate records of all deliveries into the Permanent Pool, provide such information to the State of Kansas upon request, and include an annual summary of all Permanent Pool operations in the Operation Secretary's annual report to ARCA.
19. Nothing in this Agreement shall be construed to alter in any way the State of Colorado's obligation to maintain compliance with the Arkansas River Compact.
20. Approval of this Agreement does not waive either State's position on allowable uses of Highland Canal Water.
21. Approval of this Agreement does not waive either State's position concerning the interpretation of Appendix A.4 of the decree entered in *Kansas v. Colorado*, No. 105, Orig.
22. The States agree to review at each ARCA Annual Meeting the terms of this Agreement and ensure they are being implemented as intended and with the desired effect, including whether any modification of the Agreement is necessary. The review shall be conducted by the Engineering Committee, unless otherwise assigned by ARCA, and the results shall be reported by the committee during its annual meeting report. The annual review may be waived if agreed to by both States.
23. Any proposed changes to the Annual Source Analysis, including any changes to the spreadsheet upon which the Annual Source Analysis is based, shall be considered during the ARCA Annual Meeting review of this Agreement. The States shall agree to any proposed changes by memorializing them in writing in a formal addendum that shall be attached to this Agreement. All approved changes shall take effect for the next Annual Source Analysis after approval by the States. Changes to the Annual Source Analysis shall not require approval by ARCA.
24. Following the annual review and ARCA Annual Meeting, this Agreement may be suspended by either State if notice is provided to ARCA and the other State by

January 15th of the calendar year in which the Agreement shall be suspended. Such notice shall be in writing and contain both a preliminary statement about why the Agreement has been suspended and any specific issues for discussion between the States. If the Agreement remains suspended for three consecutive years, then the Agreement shall terminate unless otherwise agreed upon in writing by the States.

25. All notices, reports, and other documents required by this Agreement may be delivered by email or any other electronic means acceptable to the States.



Kevin G. Rein, P.E.
Colorado State Engineer



David W. Barfield, P.E.
Kansas Chief Engineer

2 of 2 originals

TABLE 1
PERTINENT DATA FOR JOHN MARTIN RESERVOIR AND THE HIGHLAND CANAL WATER RIGHTS
(values in ac-ft)

Year	Historical Data										
	Permanent Pool				JMR			02CW181	10CW85	Days in	
	Inflows	Evap	Spills	EOY Contents	Evap	EOY Contents	Highland Direct Flow Div.	Highland Direct Flow Div	Storage Cons.	JMR Spill Days	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1980	10,397	1,768	394	8,235	20,564	35,395	5,982	294	271	0	
1981	31	2,705	0	5,561	14,958	13,713	7,496	368	201	0	
1982	126	2,313	0	3,374	11,516	12,241	6,217	305	195	0	
1983	11,527	1,524	0	13,377	26,457	67,444	7,823	362	286	0	
1984	2,201	2,367	0	13,210	32,303	204,908	8,130	399	283	0	
1985	46	1,664	2,432	9,160	49,891	280,952	9,330	458	310	7	
1986	198	1,540	0	7,818	44,881	226,308	7,542	370	206	0	
1987	2,588	1,028	0	9,377	55,787	246,368	10,889	535	365	94	
1988	0	1,740	205	7,433	40,127	78,984	8,686	426	189	0	
1989	0	1,980	0	5,453	20,733	27,407	2,625	129	172	0	
1990	1,198	1,842	0	4,808	15,457	17,589	4,102	201	174	0	
1991	79	2,119	0	2,768	12,654	8,387	4,001	196	168	0	
1992	0	1,017	0	1,751	13,327	13,285	6,903	339	172	0	
1993	8,031	1,319	0	8,462	17,895	41,275	6,510	319	178	0	
1994	7,747	3,018	0	13,191	25,358	65,255	7,168	352	188	0	
1995	131	2,013	1,840	9,469	40,842	257,884	7,580	372	336	36	
1996	884	1,633	0	8,721	45,491	230,535	6,536	321	231	0	
1997	258	1,416	0	7,562	48,626	296,088	9,187	451	280	0	
1998	2,796	1,318	0	9,040	54,700	242,531	8,799	440	310	134	
1999	834	948	0	8,925	54,721	326,210	614	30	363	84	
2000	-48	1,663	0	7,215	50,873	110,993	5,685	279	211	43	
2001	200	1,644	0	5,770	29,802	49,461	4,387	215	179	0	
2002	0	2,082	0	3,688	20,345	21,396	3,098	152	162	0	
2003	0	1,594	0	2,093	15,962	19,250	4,226	208	163	0	
2004	1,040	1,261	0	1,873	9,600	16,632	5,874	288	165	0	
2005	498	1,074	4	1,293	14,544	8,464	9,398	461	183	0	
2006	0	724	0	569	10,262	5,701	4,878	231	167	0	
2007	7,683	993	0	7,983	16,909	23,888	11,448	562	186	0	
2008	3,876	3,777	0	8,082	17,387	35,418	7,701	378	175	0	
2009	2,956	2,664	0	8,374	16,168	25,614	6,775	333	173	0	
2010	4,608	3,256	0	9,002	18,239	26,584	7,565	371	181	0	
2011	764	4,731	0	5,035	15,349	9,449	2,404	118	167	0	
2012	3,641	3,824	0	4,851	15,325	15,995	2,401	118	164	0	
2013	474	2,478	0	2,847	14,341	19,014	5,375	264	167	0	
2014	197	1,544	0	1,515	15,353	6,193	6,381	313	169	0	
2015	7,984	1,387	0	8,112	37,611	206,237	9,134	448	306	0	
2016	1,785	2,081	0	7,804	42,829	93,804	5,506	270	172	0	
2017	1,437	1,607	0	7,634	41,724	243,923	12,257	602	263	0	
2018	1,877	1,673	0	7,842	46,784	132,946	5,066	249	184	0	
2019	1,336	1,959	0	7,219	35,205	70,003	5,751	286	176	0	
2020	394	2,333	0	5,280	25,492	33,904	1,970	97	169	0	
Average	2,190	1,942	119	6,629	28,205	94,332	6,424	315	214	10	
Maximum	11,527	4,731	2,432	13,377	55,787	326,210	12,257	602	365	134	
Minimum	-48	724	0	569	9,600	5,701	614	30	162	0	

Note: Negative value in 2000 due to recalibration of the storage area capacity table. All accounts were adjusted.

Column Explanations:

- 1) November to October Water Year
- 2) Intentionally left blank.
- 3) Historical inflows to permanent pool which includes purchased trans-mountain water and water stored from Muddy Creek water right.
- 4) Historical evaporation from the permanent pool.
- 5) Historical spills from the permanent pool.
- 6) Historical end of the year, October 31 contents of the permanent pool. Permanent pool was empty entering water year 1980.
- 7) Historical evaporation on the entire contents of John Martin Reservoir.
- 8) Historical end of the year, October 31 contents of John Martin Reservoir.
- 9) Historical direct flow diversions for the 02CW181 Highland Canal Water Rights as compiled by the Division 2 Engineer's staff.
- 10) Historical direct flow diversions for the 10CW85 Highland Canal Water Rights as compiled by the Division 2 Engineer's staff.
- 11) The number days water was stored in the Summer or Winter Conservation Storage Accounts.
- 12) Number of days water was transferred into the Flood Pool account to be released for spills.

Sources:

- a) The historical data were taken from the John Martin Reservoir Daily Operations databases: Files - JM_Archive7901.mdb and JohnMartinArchive2001-2003.mdb and annual tldata.mdb as provided by the Colorado Division of Water Resources - Division 2.
- b) Highland Direct Flow Diversions: CDSS data and LAWMA monthly accounting

Table 2
PROPOSED OPERATION OF THE PERMANENT POOL IN JOHN MARTIN RESERVOIR USING
LAWMA's HIGHLAND WATER RIGHTS TO REPLACE EVAPORATION
(values in ac-ft)

Year	Operational Scenario					Permanent Pool			
	Total Highland CU Water	CPW Center Farm CU Delivered	CPW Structures Augmented	Water Management Fee (15%)	Maximum available to CPW	Evap Loss	Spill	Highland CU Credit Inflow	EOY Contents
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1980	3,753	3,512	241	527	2,744	1,822	0	1,362	14,286
1981	4,823	4,550	273	682	3,594	2,535	0	3,594	12,671
1982	4,609	4,348	261	652	3,434	3,667	0	3,426	10,243
1983	5,980	5,595	385	839	4,370	1,897	0	2,402	15,000
1984	4,207	3,928	280	589	3,059	1,299	0	0	15,000
1985	4,811	4,510	301	677	3,533	903	0	664	14,995
1986	4,745	4,492	254	674	3,564	1,164	0	2,451	14,940
1987	5,733	5,362	371	804	4,187	1,201	0	759	15,000
1988	4,316	4,037	279	606	3,152	1,434	0	2,252	14,932
1989	1,140	1,056	84	158	814	2,144	0	803	11,611
1990	2,725	2,573	152	386	2,036	2,276	0	2,036	10,727
1991	2,655	2,493	162	374	1,957	3,121	0	1,950	7,515
1992	4,400	4,162	238	624	3,300	2,461	0	3,300	7,337
1993	5,248	4,983	265	747	3,970	1,816	0	3,052	15,000
1994	5,233	4,958	276	744	3,938	1,811	0	1,222	15,000
1995	3,625	3,361	263	504	2,594	1,129	0	415	14,988
1996	4,440	4,218	222	633	3,364	1,094	0	1,804	14,949
1997	4,492	4,186	305	628	3,253	1,184	0	2,363	14,969
1998	6,378	6,074	304	911	4,858	1,239	0	26	15,000
1999	458	434	23	65	346	946	0	346	14,518
2000	3,478	3,305	173	496	2,637	1,426	0	2,637	14,018
2001	2,951	2,806	145	421	2,240	1,799	0	2,225	13,000
2002	1,995	1,894	100	284	1,510	2,801	0	1,502	9,618
2003	3,769	3,579	190	537	2,852	3,535	0	2,852	7,341
2004	4,102	3,902	200	585	3,117	3,719	0	3,117	6,518
2005	9,985	9,505	480	1,426	7,599	5,237	0	7,599	8,300
2006	3,094	2,942	152	441	2,349	4,609	0	2,333	5,300
2007	11,369	10,823	545	1,623	8,654	2,963	0	8,654	15,000
2008	5,374	5,109	265	766	4,078	3,654	0	123	14,972
2009	5,483	5,214	268	782	4,164	2,057	0	1,765	14,972
2010	8,242	7,848	394	1,177	6,277	2,342	0	1,626	14,884
2011	1,609	1,524	85	229	1,210	3,349	0	1,205	8,773
2012	1,271	1,204	67	181	957	2,109	0	957	7,438
2013	3,640	3,458	182	519	2,757	1,728	0	2,757	6,464
2014	4,160	3,950	210	592	3,147	2,791	0	3,142	5,483
2015	4,473	4,073	401	611	3,061	1,269	0	3,052	13,863
2016	3,708	3,529	179	529	2,821	1,486	0	2,175	14,243
2017	11,204	10,608	596	1,591	8,420	1,567	0	2,529	15,000
2018	3,379	3,215	164	482	2,569	1,531	0	1,124	14,837
2019	6,395	6,089	305	913	4,870	1,871	0	1,650	13,992
2020	988	920	68	138	714	2,259	0	714	10,508
Average	4,499	4,252	247	638	3,368	2,177	0	2,145	12,273
Maximum	11,369	10,823	596	1,623	8,654	5,237	0	8,654	15,000
Minimum	458	434	23	65	346	903	0	0	5,300

Note: The operation study was performed on a daily time step and the results summarized annually.
This operation study does not include temporary leases of Colorado Parks and Wildlife Lamar Canal shares to non-CPW structures within the LAWMA Augmentation plan.

Column Explanations:

- 1) November to October Water Year
- 2) Highland Canal consumptive use water from the Highland Canal water rights changed in 02CW181 & 10CW85 limited to 1) April through October and 2) to maximum monthly, maximum annual, and 20-year cumulative total volumetric limits.
- 3) Lamar Canal consumptive use deliveries through the Center Farm augmentation station for the Colorado Parks and Wildlife's 4,720 Lamar Canal shares changed in Case No. 02CW181.
- 4) Colorado Parks and Wildlife structures currently being augmented in LAWMA augmentation plan.
- 5) Water management fee calculated as Column 3 x 15%.
- 6) Maximum consumptive use water available to Colorado Parks and Wildlife. Calculated as the minimum of Column 2 and Column 3 minus the sum of Columns 4 through 5.
- 7) Calculated on a daily basis as previous end of day's contents multiplied by total John Martin Reservoir evaporation divided by end of day's John Martin Reservoir contents.
- 8) If John Martin Reservoir spills then Permanent Pool account spills when the account is over 10,000 acre-feet. The account doesn't spill if the Permanent Pool is less than 10,000 acre-feet.
- 9) Consumptive use credits delivered are the results of the daily comparison of Highland Canal consumptive use use credits and the consumptive use credits available at the Center Farm augmentation station when the reservoir is not spilling and the contents of the Permanent Pool have not exceeded 15,000 acre-feet. This does not include trans-mountain water purchases or water stored from the Muddy Creek water right.
- 10) End of year contents of the Permanent Pool calculated as Previous Column 10 - Column 7 - Column 8 + Column 9.

**MEMORANDUM OF AGREEMENT RELATED TO THE DELIVERY
OF HIGHLAND CANAL WATER INTO THE PERMANENT POOL
AT JOHN MARTIN RESERVOIR**

DATE FILED: April 16, 2020 11:48 AM
FILING ID: C60ADC88D15F7
CASE NUMBER: 2020CW3015

This MEMORANDUM OF AGREEMENT RELATED TO THE DELIVERY OF HIGHLAND CANAL WATER INTO THE PERMANENT POOL AT JOHN MARTIN RESERVOIR (“Agreement”) is entered into this 21st day of February, 2019, by and between the State of Colorado and the State of Kansas (collectively the “States”).

WHEREAS, the Arkansas River Compact was entered into between the States and consented to by the United States in 1948 to equitably divide and apportion the waters of the Arkansas River and their utilization, among other purposes, between the States;

WHEREAS, the Flood Control Act of 1965 authorized a permanent pool for wildlife and recreation purposes at John Martin Reservoir (“Permanent Pool”);

WHEREAS, various other acts by the States and by the Arkansas River Compact Administration (“ARCA”) have recognized the authority for creating and operating the Permanent Pool;

WHEREAS, a ready source of water supply has not always been available to the State of Colorado for the Permanent Pool;

WHEREAS, the Highland Canal water rights (“Highland Canal Water”) are an important source of water for the Offset Account at John Martin Reservoir;

WHEREAS, pursuant to a water management agreement between the Colorado Division of Parks and Wildlife and the Lower Arkansas Water Management Association (“LAWMA”), LAWMA will allow use of its Highland Canal Water, located in District 17 upstream of John Martin Reservoir and diverting from the Purgatoire River, as a source of water supply for the Permanent Pool; and

WHEREAS, for the mutual benefit of the States, the State of Colorado and the State of Kansas wish to authorize the delivery of Highland Canal Water into the Permanent Pool under the conditions contained in this Agreement.

NOW THEREFORE, BE IT AGREED,

1. Highland Canal Water may not be delivered to the Permanent Pool pursuant to this Agreement until ARCA approves the use of Highland Canal Water as a source of water for the Permanent Pool.
2. Each year that this Agreement is in effect, the State of Colorado and LAWMA agree to deliver an amount of fully consumable water (“Delivery Requirement”) to the Offset Account in John Martin Reservoir between March 1st and November 15th, as determined each year pursuant to this Agreement.

3. This Agreement will be in effect during each calendar year that LAWMA delivers Highland Canal Water to the Permanent Pool and the terms and conditions of this Agreement will only apply at times when the Agreement is in effect.
4. By March 1st of each year, LAWMA shall provide to the Colorado Division of Water Resources, along with their Rule 14 Replacement Plan Application and their Annual Augmentation Plan Projection, an annual source analysis in the format shown in the file “LAWMA_SourceAnalysisForHighlandPermanentPool_EstimateV1.0” (“Annual Source Analysis”) or a subsequent version as agreed to by the States pursuant to this Agreement. The Annual Source Analysis is hereby incorporated by reference. The Annual Source Analysis, LAWMA’s Rule 14 Replacement Application, and LAWMA’s Annual Augmentation Plan Projection shall be provided by the State of Colorado to the State of Kansas no later than March 5th of each year. This Annual Source Analysis will propose an Annual Target Amount and a Minimum Delivery Amount.
5. Water in the Kansas Charge subaccount and any non-consumable storage subaccounts in the Offset Account shall not be considered a part of the Annual Target Amount or Minimum Delivery Amount deliveries under this Agreement.
6. The March 1 Offset Account storage balance for the consumable subaccounts, with the exception of the Kansas Charge subaccount, will be used to determine a Minimum Delivery Amount as part of the Annual Source Analysis. If on March 1, the Offset Account storage balance is 4,000 acre-feet or less, the Minimum Delivery Amount will be 6,000 acre-feet. If on March 1, the Offset Account storage balance is between 4,001 acre-feet and 10,000 acre-feet, the Minimum Delivery Amount will be the difference between 10,000 acre-feet and Offset Account storage balance on March 1. If on March 1, the Offset Account storage balance is more than 10,000 acre-feet, the Minimum Delivery Amount will be zero. However, if the amount released by Kansas from the Offset Account during the prior calendar year for Stateline delivery was 2,000 acre-feet or less, the Minimum Delivery Amount as calculated above will be further reduced by 2,000 acre-feet or shall be zero, whichever is greater.
7. During the month of March each year the States shall confer with one another and LAWMA, and either accept or recommend modification of the values used in the Annual Source Analysis and determine the final values for the Annual Target Amount and the Minimum Delivery Amount. The Delivery Requirement will be the greater of Annual Target Amount or Minimum Delivery Amount and shall be set by agreement between the Assistant Operations Secretary and Operations Secretary acting on behalf of each State by March 31st of each year. If the States and LAWMA cannot reach agreement prior to March 31st in any year, Highland Canal Water will not be delivered to the Permanent Pool during that calendar year and none of the other requirements of this Agreement shall be in effect for that calendar year, unless otherwise agreed to in writing by the States and LAWMA.
8. Any agreement related to the values coming out of the Annual Source Analysis does not constitute agreement with LAWMA’s underlying accounting.

9. This Agreement shall not prohibit deliveries to the Offset Account in excess of the Delivery Requirement, nor shall this Agreement limit the ability to deliver Highland Canal Water to the Offset Account.
10. At least two thirds of the Delivery Requirement shall be delivered to the Offset Account by July 1st.
11. LAWMA agrees to provide a clear and concise report to the State of Colorado on LAWMA's Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account, separated by pre-1986 and post-1985 depletions. Such report shall be delivered to the State of Colorado and forwarded to the State of Kansas by Colorado by the 15th of each month from April through October, recognizing that the data available to LAWMA's engineer will be estimated for some replacement sources and may be updated in subsequent reports. These reports shall be formatted to include, at a minimum, the following information:

For (month/year) there are _____ acre-feet of pre-1986 Stateline depletions and _____ acre-feet of post-1985 Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account. For the calendar year, there are a total of _____ acre-feet of pre-1986 Stateline depletions and _____ acre-feet of post-1985 Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account.
12. In the case of a spill of the Offset Account, or if a spill of the Offset Account appears likely, any quantity of water required by this Agreement to be delivered to the Offset Account may be delayed for the purpose of avoiding a spill of such deliveries. The terms and conditions of any such delay shall be first proposed in writing by LAWMA. There shall be no allowable delay in delivery until such terms and conditions are approved in writing by the Chief Engineer of the State of Kansas.
13. LAWMA and the Colorado Division of Parks and Wildlife must obtain approval for a Substitute Water Supply Plan ("SWSP") pursuant to §37-92-308(4) or §37-92-308(5) of the Colorado Revised Statutes or obtain an applicable change of use decree from Colorado Water Court prior to delivery of Highland Canal Water to the Permanent Pool.
14. After ARCA has approved the use Highland Canal Water as a source of water for the Permanent Pool and upon receipt of an approved SWSP or Colorado Water Court approval, Highland Canal Water may be delivered to the Permanent Pool on a daily basis to the extent it is not needed to fulfill the commitment to the Offset Account pursuant to the terms of this Agreement.
15. Highland Canal Water shall not be delivered to the Permanent Pool in months when any portion of Highland Canal Water is used for in-state replacement.

16. Replacement credit will not be claimed as special water input to the H-I Model for the unconsumed transit losses incurred when Highland Canal Water is being delivered to the Permanent Pool. LAWMA may claim in-state replacement credit in the monthly accounting maintained by the State of Colorado for unconsumed transit losses allowed by either of the LAWMA decrees entered in Case Nos. 02CW181 and 10CW085, District Court, Water Division No. 2, State of Colorado, or an approved SWSP, provided that such claims do not exceed the allowable amounts contained in **Attachment A** (MEMORANDUM OF AGREEMENT RELATED TO THE HIGHLAND CANAL WATER RIGHT AND RESOLUTION OF LOWER ARKANSAS WATER MANAGEMENT ASSOCIATION MATRIX ISSUES NOS. 9 AND 12).
17. LAWMA or the Colorado Division of Parks and Wildlife, through Colorado Division of Water Resources staff, shall notify the State of Kansas and the ARCA Operations Secretary prior to beginning delivery of Highland Canal Water to the Permanent Pool.
18. The ARCA Operations Secretary shall keep accurate records of all deliveries into the Permanent Pool, provide such information to the State of Kansas upon request, and include an annual summary of all Permanent Pool operations in the Operation Secretary's annual report to ARCA.
19. Nothing in this Agreement shall be construed to alter in any way the State of Colorado's obligation to maintain compliance with the Arkansas River Compact.
20. Approval of this Agreement does not waive either State's position on allowable uses of Highland Canal Water.
21. Approval of this Agreement does not waive either State's position concerning the interpretation of Appendix A.4 of the decree entered in *Kansas v. Colorado*, No. 105, Orig.
22. The States agree to review at each ARCA Annual Meeting the terms of this Agreement and ensure they are being implemented as intended and with the desired effect, including whether any modification of the Agreement is necessary. The review shall be conducted by the Engineering Committee, unless otherwise assigned by ARCA, and the results shall be reported by the committee during its annual meeting report. The annual review may be waived if agreed to by both States.
23. Any proposed changes to the Annual Source Analysis, including any changes to the spreadsheet upon which the Annual Source Analysis is based, shall be considered during the ARCA Annual Meeting review of this Agreement. The States shall agree to any proposed changes by memorializing them in writing in a formal addendum that shall be attached to this Agreement. All approved changes shall take effect for the next Annual Source Analysis after approval by the States. Changes to the Annual Source Analysis shall not require approval by ARCA.
24. Following the annual review and ARCA Annual Meeting, this Agreement may be suspended by either State if notice is provided to ARCA and the other State by

January 15th of the calendar year in which the Agreement shall be suspended. Such notice shall be in writing and contain both a preliminary statement about why the Agreement has been suspended and any specific issues for discussion between the States. If the Agreement remains suspended for three consecutive years, then the Agreement shall terminate unless otherwise agreed upon in writing by the States.

25. All notices, reports, and other documents required by this Agreement may be delivered by email or any other electronic means acceptable to the States.



Kevin G. Rein, P.E.
Colorado State Engineer



David W. Barfield, P.E.
Kansas Chief Engineer

2 of 2 originals

**MEMORANDUM OF AGREEMENT RELATED TO THE HIGHLAND CANAL
WATER RIGHT AND RESOLUTION OF LOWER ARKANSAS WATER
MANAGEMENT ASSOCIATION MATRIX ISSUES NOS. 9 AND 12**

This MEMORANDUM OF AGREEMENT RELATED TO THE HIGHLAND CANAL WATER RIGHT AND RESOLUTION OF LOWER ARKANSAS WATER MANAGEMENT ASSOCIATION MATRIX ISSUES NOS. 9 AND 12 (“Agreement”) is entered into this 21st day of February, 2019, by and between the State of Colorado and the State of Kansas (collectively the “States”).

WHEREAS, the States have reached agreement on the use of the Lower Arkansas Water Management Association’s (“LAWMA”) Highland Canal water rights (“Highland Canal Water”) for the Permanent Pool pursuant to the MEMORANDUM OF AGREEMENT RELATED TO THE DELIVERY OF HIGHLAND CANAL WATER INTO THE PERMANENT POOL AT JOHN MARTIN RESERVOIR (“Permanent Pool Agreement”);

WHEREAS, Highland Canal Water is an important source of water for the Offset Account and Permanent Pool at John Martin Reservoir;

WHEREAS, the State of Kansas has raised outstanding issues regarding Highland Canal Water, based on LAWMA’s change of water right decrees pursuant to Colorado Water Court, Case Nos. 2002CW181 and 2010CW85.

WHEREAS, the States have jointly developed a LAWMA Issues Matrix to identify the various issues that remain unresolved;

WHEREAS, the issues addressed by this Agreement are commonly known to the States in the LAWMA Issues Matrix as Issue Nos. 9 and 12;

WHEREAS, the State of Kansas has stated Issue No. 9 as “*LAWMA Decree should provide standards for determining the unconsumed portion of transit loss on deliveries of Highland Canal water to the Offset Account in John Martin Reservoir.*”;

WHEREAS, the State of Kansas has stated Issue No. 12 as “*The LAWMA Decree should provide sufficient limits on the Highland Ditch credits, including proper volumetric limits, to prevent injury to Kansas.*”; and

WHEREAS, as a result of work on the Permanent Pool Agreement, the States have reached agreement on LAWMA Matrix Issues Nos. 9 and 12 raised by the State of Kansas regarding LAWMA’s change of water right decrees.

NOW THEREFORE, BE IT AGREED,

1. Issue No. 9 is resolved by the Colorado State Engineer's agreement to implement and enforce terms and conditions consistent with **Attachment A** in all future LAWMA Plan Approvals.
2. Issue No. 12 is resolved by the Colorado State Engineer's agreement to implement and enforce terms and conditions consistent with **Attachment B** in all future LAWMA Plan Approvals.
3. By March 1st of each year, LAWMA shall provide to the Colorado Division of Water Resources, along with their Rule 14 Replacement Plan Application and their Annual Augmentation Plan Projection, the Annual Source Analysis pursuant to the Permanent Pool Agreement. The Annual Source Analysis, LAWMA's Rule 14 Replacement Application, and LAWMA's Annual Augmentation Plan Projection shall be provided by the State of Colorado to the State of Kansas no later than March 5th of each year. This shall be a continuing obligation independent of the status of the Permanent Pool Agreement.
4. LAWMA agrees to provide a clear and concise report to the State of Colorado on LAWMA's Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account, separated by pre-1986 and post-1985 depletions. Such report shall be delivered to the State of Colorado and forwarded to the State of Kansas by Colorado by the 15th of each month from April through October, recognizing that the data available to LAWMA's engineer will be estimated for some replacement sources and may be updated in subsequent reports. These reports shall be formatted to include, at a minimum, the following information:

For (month/year) there are _____ acre-feet of pre-1986 Stateline depletions and _____ acre-feet of post-1985 Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account. For the calendar year, there are a total of _____ acre-feet of pre-1986 Stateline depletions and _____ acre-feet of post-1985 Stateline depletions that exceed LAWMA's replacement water deliveries made directly to the Stateline without use of the Offset Account.

This shall be a continuing obligation independent of the status of the Permanent Pool Agreement.

5. All terms contained in this Agreement shall remain in full force and effect regardless of the status of the Permanent Pool Agreement.
6. Nothing in this Agreement shall be construed to alter in any way the State of Colorado's obligation to maintain compliance with the Arkansas River Compact.
7. Approval of this Agreement does not waive either State's position on allowable uses of Highland Canal Water.

8. Approval of this Agreement does not waive either State's position concerning the interpretation of Appendix A.4 of the decree entered in *Kansas v. Colorado*, No. 105, Orig.



Kevin G. Rein, P.E.
Colorado State Engineer



David W. Barfield, P.E.
Kansas Chief Engineer

1 of 2 originals

Attachment A

In determining the unconsumed transit loss credits claimed by LAWMA under the decrees in Case Nos. 02CW181 and 10CW085 or any approved Substitute Water Supply Plan for in-state replacement credit in the monthly accounting maintained by the State of Colorado, the following procedure shall be applied: For Purgatoire River flows in the range of 1 cfs to 12 cfs, a factor ranging from 55% to 60% shall be applied pro-rata by flow; for flows between 12 cfs and 25 cfs a factor ranging from 60% to 75% shall be applied pro-rata by flow; for flows between 25 cfs and 40 cfs a factor ranging from 75% to 80% shall be applied pro-rata by flow; for flows above 40 cfs a factor of 80% shall be applied. The unconsumed transit loss credit shall be limited to that amount delivered to the Arkansas River after deducting the historical return flow obligation and the consumable credit to be delivered to the Offset Account or Permanent Pool.

Attachment B

Volumetric Limits for the Highland Canal shares changed in Case No. 02CW181 Paragraph 28.G:

The volumetric limits for the Highland Canal water rights are based upon river headgate diversions and diversions shall be calculated and measured as set forth in Sections 28.A. and B. of this Decree to apply the volumetric limits. LAWMA will limit the river headgate diversions for the Highland Canal water rights during April 2 through October 31 to a cumulative amount of 136,120 acre-feet in any twenty-year period, provided however that no more than one-half of this amount will be diverted in the first ten years after entry of this Decree, to a maximum of 12,257 acre-feet during April 2 through October 31 of any year and to the following maximum and cumulative monthly amounts:

MONTH	April	May	June	July	August	September	October
MAXIMUM AMOUNT (acre-feet)	1,445	1,854	2,172	2,369	2,570	1,996	1,142
CUMULATIVE AMOUNT IN ANY TWENTY YEAR PERIOD (acre-feet)	14,802	18,769	24,096	25,356	32,316	19,680	11,196

Volumetric Limits for the Highland Canal shares changed in Case No. 10CW085 Paragraph 28.G:

The volumetric limits for the Highland Canal water rights are based upon bypassed river headgate diversions attributable to LAWMA's interest in the Highland Canal water rights described in paragraph 8.C.vii above and shall be calculated and measured as set forth in paragraphs 17.A. and B. of this Decree to apply the volumetric limits. LAWMA shall limit the bypassed river headgate diversions for the Highland Canal water rights during April 1 through October 31 to a cumulative amount of 6,682 acre-feet in any twenty-year period, provided however that no more than one-half of this amount will be diverted in the first ten years after entry of this Decree. LAWMA shall also limit bypassed river headgate diversions for the Highland Canal water rights to a maximum of 602 acre-feet during April 1 through October 31 of any year and to the following maximum and cumulative monthly amounts:

MONTH	April	May	June	July	August	September	October
MAXIMUM AMOUNT (acre-feet)	71	91	107	116	126	98	56
CUMULATIVE AMOUNT IN ANY TWENTY YEAR PERIOD (acre-feet)	727	921	1,183	1,245	1,586	966	550

No more than one-half of each monthly cumulative twenty-year limit set forth in the above-table will be diverted in the first ten years after entry of this Decree. Additionally, LAWMA shall limit the bypassed river headgate diversions for the Highland Canal water rights Priority Nos. 27 and 97 during April 1 through October 31 to a cumulative amount of 6,243 acre-feet in any twenty-year period, provided however that no more than one-half of this amount will be claimed as a bypassed diversion in the first ten years after entry of this Decree.

Enclosure 4

Water Court Application or Change of Use of Highland Canal Water Right in
the Permanent Pool

DISTRICT COURT, WATER DIVISION NO. 2,
COLORADO

501 North Elizabeth Street
Pueblo, Colorado 81003

CONCERNING THE APPLICATION FOR WATER
RIGHTS OF LOWER ARKANSAS WATER
MANAGEMENT ASSOCIATION

IN BENT AND PROWERS COUNTIES

Richard J. Mehren, #32231
Jennifer M. DiLalla, #40319
John E. Peckler, #51559
Moses, Wittemyer, Harrison and Woodruff, P.C.
2595 Canyon Blvd., Suite 300
Boulder, Colorado 80302
Telephone: (303) 443-8782
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rmehren@mwhw.com; jdilalla@mwhw.com; jpeckler@mwhw.com

DATE FILED: April 16, 2020 11:48 AM
FILING ID: C60ADC88D15F7
CASE NUMBER: 2020CW3015

▲ COURT USE ONLY ▲

Case Number: 2020CW_____

APPLICATION FOR CHANGE OF WATER RIGHTS

1. Name, address, telephone number, and email address of Applicant:

Lower Arkansas Water Management Association (“LAWMA”)
c/o Donald F. Higbee, Manager
310 South 6th Street
P. O. Box 1161
Lamar, Colorado 81052
(719) 336-9696
lawma@cminet.net

2. Overview and background: LAWMA seeks to change its interest in the water rights decreed to the Highland Canal to include storage and in-reservoir use in the John Martin Reservoir Permanent Pool, which the State of Colorado uses for fish and wildlife and recreation purposes. Under the August 14, 1976 Resolution Concerning John Martin Reservoir Permanent Pool, water deliveries from other valid water rights owned or controlled by the State of Colorado may be added to the permanent pool water supply subject to the approval of the Arkansas River Compact Administration (“ARCA”). On February 14, 2019, ARCA adopted its Resolution No. 2019-01 Regarding John Martin

Reservoir Permanent Pool (“ARCA Approval”), approving the use of LAWMA’s Highland Canal water rights to supply the Permanent Pool “so long as the States of Colorado and Kansas maintain a written agreement between them which allows such use and sets forth any applicable terms and conditions of that use.” The ARCA Approval is attached as **Exhibit A**. On February 21, 2019, Colorado and Kansas entered into a memorandum of agreement regarding terms and conditions for use of LAWMA’s Highland Canal water rights to supply the Permanent Pool (“Colorado-Kansas Agreement”). The Colorado-Kansas Agreement is attached as **Exhibit B**.

3. Decreed water rights for which change is sought:

3.1 Structure: Highland Canal (a/k/a Highland Irrigation District Canal) (WDID 1700615).

3.2 Original and all relevant subsequent decrees:

3.2.1 August 10, 1903, unnumbered adjudication titled “In the Matter of the Adjudication of Priorities of Right to the Use of Water in Water District No. 19,” in the District Court for Las Animas County (Priority Nos. 27 and 97).

3.2.2 August 30, 1922, unnumbered adjudication titled “In the Matter of the Adjudication of Water Rights and Priorities to the Use of Water in Water District No. 17, Colorado,” in the District Court for Bent County (Priority No. 120).

3.2.3 November 11, 1910, unnumbered adjudication titled “In the Matter of the Priorities of Right to Use of Water in Water District No. 17, in the State of Colorado, and Particularly in the Matter of the Petition of the Highland Irrigation District for Change in Point of Diversion of Priorities,” in the District Court for Bent County (transferred Priority Nos. 27 and 97 to the Highland Canal).

3.2.4 March 2, 2007, Case No. 02CW181, District Court, Water Division No. 2 (changed the use of 14.86 cfs of Priority No. 27; 6.62 cfs of Priority No. 97; and 34.47 cfs of Priority No. 120) (“02CW181 Highland Water Rights”).

3.2.5 January 27, 2014, Case No. 10CW085, District Court, Water Division No. 2 (changed the use of 0.73 cfs of Priority No. 27; 0.33 cfs of Priority No. 97; and 1.69 cfs of Priority No. 120) (“10CW85 Highland Water Rights”).

- 3.3 Legal description of structure as described in most recent decree that adjudicated the location: At a point in the County of Bent, State of Colorado, on the West bank of the Purgatoire or Las Animas River, whence the Southwest corner of Section 1, T25S, R53W of the 6th P.M., bears South 38°45' West 2,395 feet, as shown on the map attached as **Exhibit C**.
- 3.4 Source: Purgatoire or Las Animas River.
- 3.5 Appropriation dates: May 31, 1866 (Priority No. 27); April 1, 1884 (Priority No. 97); March 1, 1909 (Priority No. 120).
- 3.6 Total amounts decreed to structure (all absolute): 16.6 cfs (Priority No. 27); 7.4 cfs (Priority No. 97); 38.5 cfs (Priority No. 120).
- 3.7 Decreed uses:
- 3.7.1 02CW181 Highland Water Rights: Agricultural irrigation and augmentation or replacement of depletions in the Arkansas River or its tributaries caused by the structures included in LAWMA's plan for augmentation originally decreed in Case No. 02CW181 ("Augmentation Plan") and caused by the wells included in LAWMA's annual replacement plan approved by the Colorado State Engineer pursuant to the Arkansas River Use Rules.
- 3.7.2 10CW85 Highland Water Rights: All of the uses described in paragraph 3.7.1 above; and augmentation or replacement of depletions in the Arkansas River or its tributaries caused by any improvement to a surface water irrigation system included in any return flow maintenance plan approved by the Colorado State Engineer pursuant to the Compact Rules Governing Improvements to Surface Water Irrigation Systems in the Arkansas River Basin in Colorado, effective January 1, 2011.
- 3.7.3 Storage in John Martin Reservoir Offset Account: The 02CW181 Highland Water Rights and the 10CW85 Highland Water Rights may be stored in the John Martin Reservoir Offset Account, created by the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping, as amended March 30, 1998. John Martin Reservoir (WDID 6703512) is located in all or portions of Sections 24, 25, 26, 27, 33, 34, 35, and 36, T22S, R51W; Sections 28, 29, 30, 31, 32, 33, 34, and 35, T22S, R50W; Sections 5, 6, 7, 8, 17, and 18, T23S, R49W; Sections 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, and 30, T23S, R50W; Sections 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 17, and 18, T23S,

R51W; and Sections 1, 12, and 13, T23S, R52W; all of the 6th P.M., in Bent County, Colorado, as shown on **Exhibit C**.

- 3.8 Amount to be changed: 15.59 cfs of Priority No. 27; 6.95 cfs of Priority No. 97; 36.16 cfs of Priority No. 120 (i.e., the 02CW181 Highland Water Rights and the 10CW85 Highland Water Rights).
4. Detailed description of proposed change: LAWMA seeks a subsequent change of the 02CW181 Highland Water Rights and the 10CW85 Highland Water Rights, for both of which the Court previously quantified historical consumptive use, to include storage and in-reservoir use in the John Martin Reservoir Permanent Pool.
- 4.1 Approximate historical location of use and proposed place of use: The map attached as **Exhibit C** shows the approximate historical location of use of the 02CW181 Highland Water Rights following entry of the decree in Case No. 02CW181; the approximate historical location of use of the 10CW85 Highland Water Rights following entry of the decree in Case No. 10CW85; and the proposed place of use in the Permanent Pool.
- 4.2 Records or summaries of records of actual diversions of each water right: Not applicable, because the court quantified the historical consumptive use of the 02CW181 Highland Water Rights and the 10CW85 Highland Water Rights in Case Nos. 02CW181 and 10CW85, respectively. C.R.S. § 37-92-305(3)(e).
- 4.3 New types of use: Fish and wildlife, recreation, and replacement of evaporative losses by virtue of storage in the Permanent Pool; all in addition to the existing uses decreed to the 02CW181 Highland Water Rights and the 10CW85 Highland Water Rights.
- 4.4 New manner of storage: Storage in the Permanent Pool, which is located within the high-water line of John Martin Reservoir as described in paragraph 3.7.3 above; in addition to the existing manner of storage decreed to the 02CW181 Highland Water Rights and the 10CW85 Highland Water Rights.
- 4.5 No other modification of prior change decrees: Except as expressly provided above, LAWMA seeks no other change to the terms and conditions included in the decrees entered in Case Nos. 02CW181 and 10CW085.

5. Names and addresses of owners or reputed owners of land upon which any new diversion or storage structure, or modification to any existing diversion or storage structure, is or will be constructed or upon which water is or will be stored, including any modification to the existing storage pool:

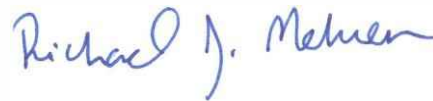
5.1 U.S. Army Corps of Engineers, Reservoir Manager, 29955 County Road 25.75,
Hasty, CO 81044

5.2 Caddoa Sands LLC, 2010 Fox Mountain Point, Colorado Springs, CO 80906.

WHEREFORE, LAWMA respectfully requests that this Court enter a decree approving this Application for Change of Water Rights and granting all such other and further relief, whether legal or equitable, as the Court may determine necessary or desirable.

Respectfully submitted this **16th** day of April, 2020.

MOSES, WITTEMYER, HARRISON AND
WOODRUFF, P.C.




Richard J. Mehren, #32231
Jennifer M. DiLalla, #40319
John E. Peckler, #51559

ATTORNEYS FOR APPLICANT, LOWER
ARKANSAS WATER MANAGEMENT
ASSOCIATION

***E-filed per C.R.C.P. 121 § 1-26 via Colorado Courts E-Filing Service.
A printed or printable copy of this document bearing the original, electronic, or scanned
signature(s) is on file at the offices of Moses, Wittemyer, Harrison and Woodruff, P.C.***

**VERIFICATION AND ACKNOWLEDGMENT OF APPLICANT OR OTHER PERSON
HAVING KNOWLEDGE OF THE FACTS STATED IN THIS APPLICATION FOR
CHANGE OF WATER RIGHTS**

Being first duly sworn, I hereby state that I have read this Application, that I have personal knowledge of the facts stated, and that I verify the Application's contents to the best of my knowledge, information, and belief.

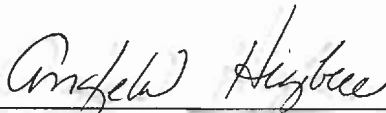


Donald F. Higbee

Date: 4-6-20

The foregoing instrument was acknowledged before me in the County of Prowers, State of Colorado, this 6th day of April, 2020, by the person whose signature appears above.





Angela Higbee, Notary Public

My Commission Expires: December 20, 2023

The person signing this verification is the Manager of Lower Arkansas Water Management Association.



November 30, 2023

Earl D. Lewis, Jr. Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502

Subject: Notice of Delivery to the Offset Account in John Martin Reservoir - Fort Lyon Canal Water Rights

Dear Mr. Lewis:

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended March 30, 1998** (“Resolution”) of a delivery of water to the Offset Account. This letter provides the reporting of deliveries to the Offset Account from the Lower Arkansas Water Management Association’s (LAWMA) shares of the Fort Lyon Canal Company. This letter also serves to describe the operations in 2023, first described in the letter of March 25, 2023, which provided the initial notice of the delivery of water from this replacement source for 2023.

Summary

Enclosure 1 contains the accounting spreadsheets used to determine the credits from the Fort Lyon Canal for 2023 that resulted in the John Martin Accounting System (JMAS) accounting presented in the Offset Account Report and Operation Secretary’s Report.

Randy Hendrix, LAWMA’s engineer, provided the Historical Consumptive Use analysis that quantified the historical use of the associated Fort Lyon Canal shares and determined the consumptive use and return flow components on a monthly basis as well as the volumetric limits applied to use of the temporarily changed shares in LAWMA’s Rule 14 Plan. Those components were included as an appendix to the LAWMA Rule 14 Plan approval for 2023-24. These temporarily changed shares were included in an approved Substitute Water Supply Plan (SWSP) (Enclosure 4) and in Division 2 Water Court Case 19CW3036.

The overall operation of the LAWMA Fort Lyon shares involved deliveries through four augmentation stations at Fort Lyon Headgate numbers 49, 125, 126 and 145 capable of delivering water to the Arkansas River or to John Martin Reservoir above the John Martin dam. Additionally, there are five augmentation stations at Fort Lyon Headgate numbers 160, 166, 181, 182 and 259 through which deliveries are made to the Arkansas River below John Martin dam for in-state replacement. Three recharge ponds were implemented in 2018 and included in the LAWMA accounting as a means to maintain delayed return flows associated with the Fort Lyon shares and to reduce winter time deliveries for return flow maintenance. Three more recharge facilities were constructed in 2019 and conducted infiltration tests in late 2019, which were submitted to the Division of Water Resources for review and approval. In addition, recharge pond 230 was approved for use after a final survey of the ponds with revised stage-area-capacity tables were completed. Recharge credits were included in LAWMA’s accounting in 2023.

Maps of the augmentation station and recharge pond locations are included in Enclosure 2. The 2023 recharge pond accounting and modeling sheets used within the LAWMA accounting spreadsheet for the Fort Lyon Canal shares are included below in Enclosure 3.



The following table summarizes the actual deliveries of water into the Offset Account (and for in-state replacement) during the reporting period from the Fort Lyon Canal Water rights

	FORT LYON CANAL SHARES DELIVERED THROUGH AUGMENTATION STATIONS									TRANSIT LOSS CALCULATIONS									Total CU Credits Delivered to the Arkansas River										
	Above John Martin Dam			Below John Martin Dam			Total	Above John Martin Dam			Below John Martin Dam			Reach 9	Reach 10	To Offset	In-State	Multi	Below John Martin Dam										
	ARF049 CO	ARF125 CO	ARF126 CO	ARF145 CO	ARF160 CO	ARF166 CO		ARF181 CO	ARF182 CO	ARF259 CO	ARF049 CO	ARF125 CO	ARF126 CO						ARF145 CO	ARF160 CO	ARF166 CO	ARF181 CO	ARF182 CO	ARF259 CO	Account	Repl.	Purpose	Reach 11	Reach 12
March	80.67	8.67	0.00	0.00	0.00	0.00	0.00	0.00	21.03	110.36	1.37	0.12	0.00	0.00	0.00	0.00	0.00	0.36	40.60	5.35	45.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.55
April	107.39	14.34	80.35	12.63	5.94	20.93	21.31	11.80	22.93	297.63	1.83	0.20	0.24	0.03	0.13	0.09	0.30	0.39	67.14	75.81	141.43	0.00	0.00	0.00	3.95	29.16	7.79	15.26	
May	514.84	54.29	100.41	100.41	25.12	44.98	59.96	0.00	81.35	996.35	8.75	0.76	0.35	0.20	0.55	0.27	0.24	0.00	1.38	331.99	198.52	523.06	0.00	0.00	0.00	16.83	72.91	0.00	54.78
June	847.29	124.21	336.28	328.33	105.96	201.72	60.93	165.72	226.99	2397.45	14.40	1.74	1.01	0.66	2.33	1.21	0.24	4.14	3.86	576.36	605.71	1169.09	0.00	0.00	0.00	71.51	187.53	111.65	154.18
July	819.37	130.36	300.00	203.79	106.47	126.51	97.19	109.46	257.12	2150.28	13.93	1.82	0.90	0.41	2.34	0.76	0.39	2.74	4.37	558.17	486.46	1032.07	0.01	0.00	0.00	70.60	155.28	72.68	172.12
August	470.43	57.60	118.83	110.89	37.03	60.45	50.96	64.05	77.02	1047.25	8.00	0.81	0.36	0.22	0.81	0.36	0.20	1.60	1.31	310.75	213.87	517.61	0.00	0.00	0.00	24.23	75.97	41.90	50.80
September	356.89	36.91	78.43	67.42	24.32	27.83	31.34	49.17	53.00	725.31	6.07	0.52	0.24	0.13	0.53	0.17	0.13	1.23	0.90	217.16	127.48	339.72	0.01	0.00	0.00	15.15	38.53	30.73	33.39
October	213.93	35.25	69.16	40.46	21.22	25.98	7.28	17.59	62.96	493.84	3.64	0.49	0.21	0.08	0.47	0.16	0.03	0.44	1.07	118.82	94.06	210.19	0.02	0.00	0.00	13.06	21.09	10.82	39.05
November	86.78	26.50	0.00	0.00	3.83	4.34	9.88	17.14	41.77	190.25	1.48	0.37	0.00	0.00	0.08	0.03	0.04	0.43	0.71	42.65	15.76	57.45	15.05	0.00	0.00	2.24	8.45	10.01	24.60
Total	3497.58	488.13	1083.47	863.94	329.90	512.75	338.85	434.93	844.17	8408.71	59.46	6.83	3.30	1.73	7.26	3.08	1.36	10.87	14.35	2263.64	1823.02	4035.66	15.11			217.55	588.92	285.58	556.73
Total Apr-Oct	3196.87	426.38	1014.31	823.48	304.85	482.42	321.69	400.20	739.44	7724.62	54.35	5.97	3.09	1.65	6.71	2.89	1.29	10.01	12.57	2102.17	1713.21	3978.21	0.03			202.26	559.38	264.75	493.09

*November values included for reference; will be counted as a delivery in Compact Year 2024.

The table below shows LAWMA's computation of Winter Return Flows owed from 2022 operations during the December through February months.
LAWMA'S REPLACEMENT SOURCES FROM FORT LYON CANAL THROUGH AUGMENTATION STATIONS

Item (1)	Station (af) (2)	IRRIGATION SEASON FORT LYON CANAL SHARES DELIVERED THROUGH AUGMENTATION STATIONS										Winter Return Flows Owed			
		March (af) (3)	April (af) (4)	May (af) (5)	June (af) (6)	July (af) (7)	August (af) (8)	September (af) (9)	October (af) (10)	November (af) (11)	Total (af) (12)	December (af) (13)	January (af) (14)	February (af) (15)	Total (af) (16)
1	Above John Martin Dam ARF049CO	90.41	67.90	63.10	122.75	258.73	75.81	0.00	66.78	3.08	748.56	20.2	18.0	16.5	54.6
2	ARF125CO	12.04	15.55	14.96	31.74	50.26	24.07	0.00	17.20	0.00	165.81	3.6	3.3	3.2	10.1
3	ARF126CO	38.82	39.00	35.46	71.62	99.83	8.13	0.00	0.00	0.00	292.86	7.6	6.4	6.4	20.5
4	ARF145CO	0.00	0.00	11.88	29.39	28.56	19.92	0.00	0.00	0.00	89.75	2.0	1.7	1.6	5.3
	Total	141.26	122.44	125.40	255.50	437.38	127.94	0.00	83.98	3.08	1296.99	33.4	29.4	27.7	90.6
5	Below John Martin Dam ARF160CO	3.74	7.56	8.79	43.10	6.78	5.47	2.90	11.57	0.00	89.91	2.0	1.6	1.5	5.1
6	ARF166CO	10.75	13.10	25.59	59.13	34.71	11.41	16.64	14.66	0.00	185.99	4.1	3.5	3.3	11.0
7	ARF181CO	16.40	12.80	20.41	47.82	16.19	8.65	8.88	0.00	11.78	142.93	3.3	2.9	2.7	8.9
8	ARF182CO	18.96	16.58	32.89	50.78	33.99	16.07	18.15	4.44	13.29	205.14	4.7	3.9	3.9	12.5
9	ARF259CO	0.00	28.66	54.97	76.39	27.65	8.20	0.00	6.07	0.00	201.93	5.0	5.7	3.6	14.3
	Total	49.86	78.70	142.65	277.22	119.32	49.79	46.57	36.74	25.07	825.91	19.1	17.6	15.1	51.8

Earl D. Lewis, Jr.
November 30, 2023
Page 3 of 3

Of note for 2023, the headgate that delivers water to the ARF049CO augmentation station was unable to be closed completely, which caused it to leak. This augmentation station received credit almost daily during the 2023 season. In addition, ARF049CO reached its volumetric limit during June and ARF160CO reached its volumetric limits in June and July.

Please contact me if you have any questions or require additional information.
Sincerely,



Rachel A. Zancanella,
P.E. Division Engineer
Water Division 2
Colorado Division of Water Resources

Enclosures (4)

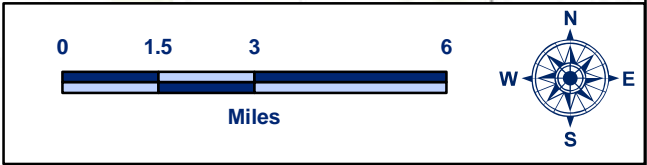
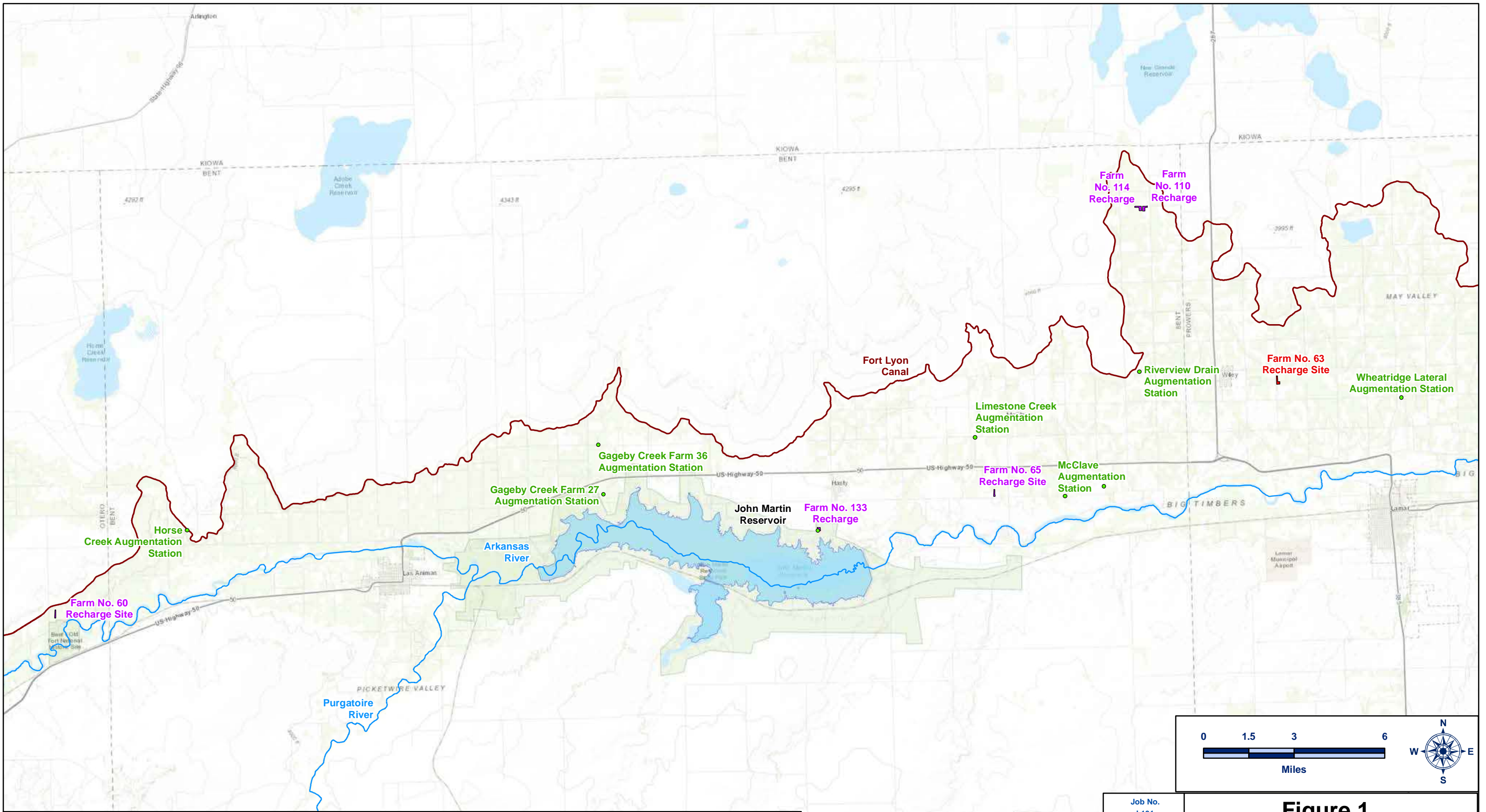
cc:	Kevin Salter	Rachel Duran	Dale Book	Ayrton Hendrix
	Randy Hendrix	Dan Steuer	Bethany Arnold	Brian Lenherr
	Lonnie Spady	Christine Sednek	Noah Friesen	

Enclosure 1

Fort Lyon Canal Accounting for 2023

Enclosure 2

Maps of Augmentation Stations/Recharge Sites



Legend

- Augmentation Stations
- Completed Recharge Site
- Fort Lyon Canal
- Incompleted Recharge Site
- John Martin Reservoir

Job No. L101
File: Aug Rechargepond map.mxd
Date: 3/27/2019
Prepared For: LAWMA

**Hendrix Wai
Engineering, Inc.**

Figure 1
General Location Map
of Augmentation Stations and
Recharge facilities under
the Fort Lyon Canal

Enclosure 3

LAWMA Recharge Accounting

Enclosure 4

LAWMA Fort Lyon Canal Company SWSP Approval



March 20, 2023

Randy L. Hendrix
Hendrix Wai Engineering, Inc.
PO Box 4487
Parker, CO 80134

**RE: LAWMA FLCC Substitute Water Supply Plan
Bent and Prowers Counties
Water Division 2, Water Districts 17 and 67
SWSP ID 6108, WDID 1707704
Case No. 19CW3036**

Approval Period: April 1, 2023 through March 31, 2024

Contact information for Mr. Hendrix: 720-930-4360; randy@hendrix-wai.com

Dear Mr. Hendrix:

We have received your December 29, 2022 letter requesting a substitute water supply plan (SWSP) pursuant to §37-92-308(4), C.R.S., on behalf of the Lower Arkansas Water Management Association (“LAWMA” or “Applicant”). Notice was sent to all opposers in Case No. 19CW3036 on December 29, 2022. Timely comments were received by April Hendricks, representing the Southeastern Colorado Water Conservancy District and were taken into account during the drafting of this approval letter. The statutory \$300 filing fee has been received and given receipt no. 10026213.

The initial date of approval for this SWSP was April 1, 2020. Pursuant to section 37-92-308(4)(b), C.R.S., “if an applicant requests a renewal of a plan that would extend the plan past three years from the initial date of approval, the applicant shall demonstrate to the state engineer that the delay in obtaining a water court decree is justifiable and that not being able to continue operating under a substitute water supply plan, until a decree is entered, will cause undue hardship to the applicant.” This information must be submitted with any SWSP request that seeks a SWSP approval period that would extend beyond April 1, 2024.

SWSP OPERATION

The Fort Lyon Canal Company (“FLCC”) is a mutual ditch company that has 93,989.4166 shares of outstanding stock. The FLCC system consists of the Fort Lyon Canal (Main Canal), Fort Lyon Storage Canal (Storage Canal), Horse Creek Reservoir, Adobe Creek Reservoir, and Thurston Reservoir. Water is diverted into the FLCC canal system from the Arkansas River, Horse Creek and Adobe Creek. Additional water is delivered to the Main Canal by release from the three reservoirs identified



above. Water is also stored in John Martin Reservoir and is exchanged back upstream to the FLCC headgate for delivery into the Main Canal.

LAWMA acquired 6,080 shares of stock (Phase 1 shares) in the FLCC from Arkansas River Farms, LLC (“ARF”) in 2017, and acquired 1,407 additional shares of FLCC stock (Phase II shares) in 2021. The total of 7,487 shares is the subject of pending Case No. 19CW3036, and this SWSP. The purpose is to change the decreed type and place of use of the water rights associated with the FLCC shares so that water available to those water rights may be used directly, after storage, and by means of recharge for augmentation and replacement purposes within LAWMA’s various augmentation and replacement plans and to add those changed water rights to LAWMA’s decreed augmentation plan in Case No. 02CW181.

Colorado Springs Utilities’ (“CSU”) acquired 2,500 shares of LAWMA common stock from ARF, and LAWMA and CSU entered into a Water Sharing Agreement under which, as part of an alternative transfer method (“ATM”) LAWMA will use water available to the ATM shares to make an allocation to the CSU-LAWMA shares. LAWMA will use water available to 3,303 of the Phase I (ATM) shares to make an allocation to the CSU LAWMA shares that will be shared by LAWMA and CSU consistent with the Water Sharing Agreement. Under this SWSP approval, in addition to the comprehensive change described above, water available to those water rights may be used directly, by exchange and after storage, for all beneficial uses within CSU’s existing and future service area. **No exchange for those shares is requested under this SWSP.**

REVIEW OF APPLICANT’S HISTORICAL CONSUMPTIVE USE ANALYSES

The shares to be changed in Case No. 19CW3036 and this SWSP were historically used on 40 different farms. The historical consumptive use analyses performed on these farms involve the 7,487 shares, which were not necessarily the total shares used on the given farms. The 7,487 shares were referred to as “trade” shares in the analysis.

The study period used was 1950 to 2014, with a subset of 1979 to 2014 to compare the onset of the Winter Water Storage Program. Diversion records were compiled from the Division of Water Resources’ records. The water attributed to the shares to be traded were prorated after analysis as a percentage of the total shares. Canal and lateral losses were obtained from the H-I Model, as was the PET, average rooting depth, maximum farm efficiency, precipitation data and SEV losses. Each farm’s irrigated acreage was determined from historical aerial photographs from 1947 through 2013 and geo-referenced into GIS software. Each farm analyzed was presented in a separate appendix to the engineering report.

Summaries of the FLCC Water Rights are below (Tables 2 - 4 in report):

Table 2
Direct Flow Water Rights
Fort Lyon Canal Company

Priority	Description	Case No.	Amount (cfs)	Appropriation Date	Decree Date	Pro-rata interest associated with the Trade Shares (cfs)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
4	Arkansas River Land, Reservoir, and Canal Co.	April 8, 1905	164.64	April 15, 1884	April 8, 1905	13.15
6	Arkansas River Land, Reservoir, and Canal Co.	April 8, 1905	597.16	March 1, 1887	April 8, 1905	47.71
25	Fort Lyon Canal Co.	April 8, 1905	171.20	August 31, 1893	April 8, 1905	13.68
	Total		933.00			74.54

Column Explanations:

- 1) Priority on the Arkansas River.
- 2) Owner of original adjudicated water right.
- 3) Case number, civil action number or decree date.
- 4) Amount of the original adjudicated water right.
- 5) Appropriation date for the water right.
- 6) Adjudication date of the water right.
- 7) LAWMA pro-rata interest in the direct flow water right calculated as Column 3 x 7,509 / 93,989.4166

Table 3
Storage Water Rights
Fort Lyon Canal Company

Storage Priority	Description	Case No.	Amount (cfs)	Volume (ac-ft)	Source	Appropriation Date	Decree Date	Pro-rata interest associated with the Trade Shares (cfs)	Pro-rata interest associated with the Trade Shares (af)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
10	Horse Creek Reservoir		2,000		Horse Creek	August 15, 1900	February 3, 1927	159.78	
27.5	Horse Creek Reservoir		840	11,400	Arkansas River	January 25, 1906	February 3, 1927	67.11	910.77
50	Horse Creek Reservoir		1,466		Arkansas River	March 1, 1910	February 3, 1927	117.12	
27.5	Horse Creek Reservoir 1st Enlargement		840		Arkansas River	January 25, 1906	February 3, 1927	67.11	
30.5	Horse Creek Reservoir 1st Enlargement		5,000	15,487	Horse Creek	December 20, 1907	February 3, 1927	399.46	1,237.29
50	Horse Creek Reservoir 1st Enlargement		1,466		Arkansas River	March 1, 1910	February 3, 1927	117.12	
37	Horse Creek Reservoir 2nd Enlargement		5,000		Horse Creek	June 12, 1908	February 3, 1927	399.46	
37	Horse Creek Reservoir 2nd Enlargement		840	1,113	Arkansas River	June 12, 1908	February 3, 1927	67.11	88.92
50	Horse Creek Reservoir 2nd Enlargement		1,466		Arkansas River	March 1, 1910	February 3, 1927	117.12	
27.5	Adobe Creek Reservoir		8,631		Adobe Creek	January 25, 1906	February 3, 1927	689.55	
27.5	Adobe Creek Reservoir		840	61,575	Arkansas River	January 25, 1906	February 3, 1927	67.11	4,919.35
50	Adobe Creek Reservoir		1,466		Arkansas River	March 1, 1910	February 3, 1927	117.12	
41	Adobe Creek Reservoir Enlargement		8,631		Adobe Creek	December 29, 1908	February 3, 1927	689.55	
41	Adobe Creek Reservoir Enlargement		840	25,425	Arkansas River	December 29, 1908	February 3, 1927	67.11	2,031.25
50	Adobe Creek Reservoir Enlargement		1,466		Arkansas River	March 1, 1910	February 3, 1927	117.12	
	Thurston Reservoir	W27 & 79CW85	355.2	1,515	Arkansas River	August 12, 1889		28.38	121.04
	Total		41,147	116,515				3,287.33	9,970.59

Column Explanations:

- 1) Reservoir Appropriation Priority per decree.
- 2) Water right structure.
- 3) Original water court case number.
- 4) Amount of the original adjudicated water right in cfs.
- 5) Volume of storage of the adjudicated water right in acre-feet.
- 6) Source of water for the water right.
- 7) Appropriation date for the water right.
- 8) Adjudication date of the water right.
- 9) LAWMA pro-rata interest in the direct flow water right calculated as Column 3 x 7,509 / 93,989.4166.
- 10) LAWMA pro-rata interest in the direct flow water right calculated as Column 4 x 7,509 / 93,989.4166. This water would be delivered to the Main Canal as part of Fort Lyon Canal's normal operations.

Table 4
Other Water Rights
Fort Lyon Canal Company

Description (1)	Case No. (2)	Amount (3)	Units (4)	Source (5)	Comment (6)	Pro-rata interest associated with the Trade Shares (cfs) (7)	Pro-rata interest associated with the Trade Shares (af) (8)
Amity Mutual Irrigation Company - Queens Reservoir	80CW19 89CW76	5,483	af	Queen Reservoir Horse Creek Reservoir Adobe Creek Reservoir John Martin Reservoir			438.05
John Martin Reservoir Change	79CW160 79CW161 80CW51	5,000	af	Queen Reservoir Horse Creek Reservoir Adobe Creek Reservoir	Total cumulative amount		399.46
Change in Diversion Point	79CW178	933	cfs	Horse Creek Reservoir Adobe Creek Reservoir John Martin Reservoir		74.5	
Winter Water Storage Program	84CW179	38,160	af	Horse Creek Reservoir Adobe Creek Reservoir Thurston Reservoir	Of the fist 100,000 ac-ft and 38.16% of all water over 103,106 ac-ft		3,048.68
John Martin Reservoir Exchange	90CW47	544	cfs	John Martin Reservoir	Absolute, annual limit of 15,288.95 af	43.46	
John Martin Reservoir Exchange	90CW47	606	cfs	John Martin Reservoir	Conditional	48.41	
John Martin Reservoir 1980 Operating Plan	Arkansas River Compact Administration, 4/24/1980	20,000	af	John Martin Reservoir	Article III water		1,597.84
Fryingpan-Arkansas Project		Varies					
	Total					166.41	5,484.02

Column Explanations:

- 1) Description of water right or water source.
- 2) Water Court case number associated with the water right or water source.
- 3) Amount of water right or water source.
- 4) Units of Column 3.
- 5) Water source for associated water right or water source.
- 6) Additional comment relating to the water right.
- 7) LAWMA pro-rata interest in the direct flow water right calculated as Column 3 x 7,500 / 93,989.4168
- 8) LAWMA pro-rata interest in the direct flow water right calculated as Column 3 x 7,500 / 93,989.4168

The 40 farms used for these analyses ranged from La Junta to Lamar (see attached maps C1 and C2). A summary of the descriptions of the farms is given in the attached Table 1. The FLCC has five divisions; La Junta, Horse Creek, Las Animas, Limestone, and Lamar, from upstream to downstream. Return flows are either measured and returned through an augmentation station or recharged onsite. Of the sites used in the analysis, nine sites are augmentation stations only, five are recharge sites only, and one site is split between an augmentation station and a recharge site.(one site, located on Farm 132/133, functions as both an augmentation station and a recharge site.)

The HCU analyses were performed using the Lease-Following Water Accounting Tool (“LFT”), developed by Kelley Thompson of DWR and Colorado State University. The parameters chosen were from the ditch wide parameters of the HI model (decreed in Kansas v. Colorado Supreme Court Ruling) that are built into the LFT, using the function for the Fort Lyon Canal, and one study period of 1950 through 2014 (full study period) and a second study period of 1979 through 2014 (beginning of the Winter Water Storage Program). The Individual unit response functions (“URFs”) were calculated for each farm and input into the model. Farm irrigated acreage was determined from aerial photography. The analyses were performed on the total number of shares delivered to each

farm, and prorated for the number of Trade Shares. DWR irrigated acreage data for each farm parcel was applied for the period from 2003 through 2014 in lieu of the data in the original analysis.

Diversion records, on- and off-farm lateral losses, initial farm efficiency, tailwater, rooting depth (determined from the HI crop mix), ditch wide crop mix, PET, precipitation, and effective precipitation were all calculated in the same fashion as the HI model. A weighted canal loss of 35.13% was used for all reservoir releases to the Main Canal. Available water holding capacity and starting soil moisture storage content for each farm was determined based on the soils at each farm.

Secondary evaporation losses were included by the consultant on all farms in this application, for the on-farm lateral losses and the tailwater or surface water runoff. SEV credits may have been included for the off-farm lateral losses depending upon the farm's location relative to the Main Canal. DWR does not necessarily agree that the SEV losses should be included in the calculations for consumable credits because the elimination of the representative loss to the river is difficult to demonstrate in the same manner as dryup of irrigated croplands. For the purposes of this SWSP only, DWR has included the SEV losses for on-farm laterals and tailwater as part of the consumable credits for a portion of the farms where return flows were not generally commingled with return flows from farms that remain irrigated. For other farms, no credit was given for SEV losses. All farms will be dried up in order to claim credits for the acquired Trade Shares.

The condition of approval section below includes data regarding monthly and annual volumetric limits and factors by delivery location for operation of this SWSP.

MAINTENANCE OF RETURN FLOWS

There are 16 proposed augmentation stations and recharge sites. Nine sites are augmentation stations only, five are recharge sites only, and 1 site is split between an augmentation station and a recharge site. The five dedicated recharge sites and the 1 recharge site that splits deliveries with an augmentation station are all located on farms that are part of this SWSP. All of the recharge sites must be tested and approved per an agreement between ARF and LAWMA. Once the sites have been tested and approved, water will be delivered to the sites for delivery of the CU credits and return flow obligations. LAWMA will replace the historical return flows with water available to the FLCC shares or with any other fully consumable water legally available to LAWMA for that purpose. To the extent recharge sites are located on dryup lands, credits for Compact compliance may be reduced absent agreement by Kansas to include those acres.

Shares delivered to the augmentation stations and recharge sites differed from the proposed delivery sites in the 2020 SWSP approval. The augmentation credits and return flow obligations have been adjusted according to the corrections in the following table:

Table A
Fort Lyon Canal Shares per Facility Correction Table
Lower Arkansas Water Management Association

WDID	Augmentation / Recharge Facility	Associated Farms	Station(s)	Total FLCC Shares	FLCC Shares in 2020 SWSP Approval	Max FHG (af)	Max FHG Source	Max HCU (af)	Max HCU Source	Comment
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1704820	Farm 60 Recharge	Farm Nos. 3, 40, 57 and 60	ARF027CO	365	509	1,296.6	Table 71	735.2	Table 84	2020 SWSP approval included Farm 65.
6701002	Farm 27 Aug Station	Farm Nos. 1, 2, 27	ARF126CO	1,008	1,324	3,580.7	Table 73	1,507.2	Table 86	2020 SWSP combined Farm 27 and Farm 36 Augmentation Stations
6701006	Farm 36 Aug Station	Farm Nos. 33 and 36	ARF125CO	316	1,324	1,122.5	Table 74	559.7	Table 87	2020 SWSP combined Farm 27 and Farm 36 Augmentation Stations
6701005, 6704821, 6701016	Farm 132/133 Aug Station / Recharge	Farm Nos. 14, 15, 37, 41, 54B*, 58, 132/133	ARF145CO, ARF145CO, AR151ECO	1,021	1,021	3,650.9	Table 75	2,458.0	Table 88	Maximum FHG includes delivery of 117 shares for return flow obligation to Prowers Arroyo from Headgate 151E
6704822	Farm 65 Recharge	Farm Nos. 65 and 127	ARF162CO	216	72	767.3	Table 77	514.8	Table 90	2020 SWSP approval didn't include Farm 65
6704823, 6704824	Farms 110 / 114 Recharge	Farm Nos. 30N, portion 63, 85, 110, 114	ARF201CO, ARF205CO	738	525	2,621.6	Table 81	1,753.1	Table 94	2020 SWSP approval does not include 213 shares that were used on a portion of Farm No. 63
TBD	Farm 63 Recharge	Farm No. portion 63	TBD	410	623	1,456.4	Table 82	976.8	Table 95	2020 SWSP approval included 213 shares on Farm No. 63 that should be included with Farm 110/114 recharge
Total Shares				6,818	6,818					

Column Explanations:

- 1 Water District identification number assigned by the Division Engineer's Office.
- 2 LAWMA augmentation station and / or recharge facility name
- 3 ARF Farms that are associated with the facility. These farms were identified as part of the Fort Lyon Canal hearing.
- 4 Satellite telemetry station(s) used for delivery of LAWMA's FLCC shares through augmentation station or to the recharge facility.
- 5 LAWMA's FLCC shares assigned to each facility as approved by the Fort Lyon Canal during the 2016 hearing.
- 6 Total FLCC shares assigned to the facilities in LAWMA's 2020 SWSP approval.
- 7 Maximum farm headgate delivery associated with the FLCC shares in Column 5 as documented in LAWMA's preliminary engineering report in Case No. 19CW3036.
- 8 Source of the total in Column 7 within the tables of the preliminary engineering report in Case No. 19CW3036.
- 9 Maximum annual consumptive use associated with the FLCC shares in Column 5 as documented in LAWMA's preliminary engineering report in Case No. 19CW3036.
- 10 Source of the total in Column 9 within the tables of the preliminary engineering report in Case No. 19CW3036.
- 11 Comments regarding discrepancies with LAWMA's 2020 SWSP approval and share delivery points as approved by the Fort Lyon Canal during the 2016 hearing.

CONDITIONS OF APPROVAL

This SWSP is hereby approved pursuant to §37-92-308(4), C.R.S., subject to the conditions stated below:

1. This SWSP shall be valid for the period of April 1, 2023 through March 31, 2024, unless otherwise revoked or superseded by decree. The initial date of approval for this SWSP was April 1, 2020. Pursuant to § 37-92-308(4)(b), C.R.S., "if an applicant requests a renewal of a plan that would extend the plan past three years from the initial date of approval, the applicant shall demonstrate to the State Engineer that the delay in obtaining a water court decree is justifiable and that not being able to continue operating under a substitute water supply plan, until a decree is entered, will cause undue hardship to the applicant." This information must be submitted with any SWSP request that seeks a plan approval period that would extend beyond April 1, 2024. Additional SWSPs are required until a court decreed plan for augmentation is obtained for the proposed uses. Should an additional SWSP be requested, the provisions of § 37-92-308(4), C.R.S., shall apply. The statutory fee of \$300

will be required pursuant to § 37-92-308(8), C.R.S. Any request for an additional SWSP must be submitted to this office no later than **January 1, 2024**.

2. Approval of this SWSP is for the purposes stated herein. Additional uses for the water that is the subject of this SWSP will be allowed only if a new SWSP is approved for those additional wells/uses and such additional uses are identified in case no. 19CW3036.
3. Changes to water rights will be limited to the ditch and the shares identified in this approval. Changes to include additional shares for the ditch, or changes to include additional ditches will be allowed only if a new SWSP is approved for those additional shares/ditches and such additional water shares/ditches are identified in case no. 19CW3036.
4. Approval of this SWSP does not in any way eliminate the obligation of the Applicant to comply with any by-laws that restrict use of any of the shares identified in this SWSP. The use of any changed shares in this SWSP must be consistent with any applicable ditch and/or reservoir company by-laws.
5. The Applicant must replace all return flows resulting from operations under this SWSP, including those return flows that are owed to the stream after the expiration date of this SWSP. Such return flows must be included in the Applicant's accounting and projection. Until such time as a decree is granted in pending case no. 19CW3036, the Applicant must maintain a valid SWSP approved under §37-92-308(4) until all lagged return flow obligations resulting from the change of water rights approved by this SWSP have been fully replaced in time, location, and amount.
6. Maps showing the location of the farms, augmentation stations and recharge sites are attached to this approval.
7. For recharge ponds the following conditions apply:
 - a. The amount of water recharged to the alluvial aquifer is determined by measuring the amount of water delivered to the recharge structure and subtracting:
 - i. the amount of water discharged from the recharge structure (if any),
 - ii. the amount of water lost to evaporation,
 - iii. the amount of water lost to consumptive use due to vegetation located within the recharge structure, and
 - iv. the amount of water retained in the recharge structure that has not yet percolated into the ground.
 - b. LAWMA shall report any observable increase in losses at high groundwater table locations down-gradient of the recharge ponds and provide the Division Engineer with an estimate of loss amounts.
 - c. Recharge accounting shall be performed using daily values for ditch deliveries, pond content and overflow from the ponds.
 - d. Exchange and re-diversion or storage of excess lagged accretions (i.e., if more water is recharged to the aquifer than the amount of deep percolation historical irrigation return flows owed) will not be allowed under this SWSP.
8. Unit Response Functions for each farm are shown in an attachment to this approval.

9. Unit Response Functions for the proposed recharge pits are as shown in an attachment to this approval.
10. Dry-up of the fallowed fields must comply with the “Appendix B.3 to Exhibit A of Kansas v. Colorado, “Operating Procedures for Administration of Parcels Claimed for Augmentation Credits”. Re-irrigation of dry-up parcels shall not be allowed during the term of this SWSP. A list of disqualified or discounted parcels claimed in the previous year’s SWSP has been attached to this SWSP. Unless adequately remediated and reviewed and approved by the Division Engineer, the credits claimed for these parcels will be appropriately reduced. Any parcels identified from 2021 with dry up approval problems that are nominated for use in 2022 must be remediated by **May 1, 2023** to qualify for credit.
11. LAWMA shall comply with the provisions of the 1041 Permit in Bent County submitted as Exhibit K to the application in Case No. 19CW3036 and attached to this approval.
12. Augmentation credits and return flow obligations associated with the Fort Lyon Canal shares will be determined at the augmentation stations based on the factors below. The net credit available will be determined after deducting appropriate losses to the point of delivery. Continued maintenance of the physical structures associated with each of the sites described below will be required to ensure compliance with the Division 2 Functional standards. DWR provided LAWMA a list of concerns in an Expert Report in 19CW3036 on January 10, 2022. Site specific concerns were provided in Appendix A (attached). If the concerns have not been addressed or if the Water Commissioners identify new concerns, the applicant must address those concerns in a timely manner. Any unaddressed concerns may result in the reduction of credits.
13. LAWMA has been notified of disqualified and discounted dry up parcels. LAWMA must either provide new monthly and annual volumetric limits or provide substituted dry up parcels by April 15, 2023. **Once this has been received, a revised letter will be issued with these revised monthly and volumetric limits.** In the meantime, DWR will implement a reduction in the dry up credit.

MONTHLY AND ANNUAL VOLUMETRIC LIMITS AND FACTORS BY DELIVERY LOCATION

Shares delivered to the Farm 60 Recharge Site (AKA Bents Fort - ARF 27)

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 365 Trade Shares associated with Farms 3, 40, 57, and 60 to the Farm 60 Recharge Site (WDID 1704820). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU in Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
41.3	79.8	101.9	112	113.9	124.2	73.2	62.3	46.4	547.7

The table below shows the weighted monthly factors to be applied to deliveries of water to the Farm 60 Recharge Site:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	68.3	74.8%	76.3%	78.7%	78.6%	76.1%	71.0%	67.6%	61.9%	
RF's	31.7%	25.2%	23.7%	21.3%	21.4%	23.9%	29.0%	32.4%	38.1%	
Winter RF's as % of Irrigation Season CU			-6.1%							

Measuring devices at the Farm 60 Recharge Site have been approved by the Division Engineer as well as the operation of the recharge site.

Shares delivered to the Horse Creek Augmentation Station (AKA ARF 49)

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 1,527 Trade Shares associated with Farms 13, 19, 21, 22, 23, 59 and 61 to the Horse Creek Augmentation Station (WDID 1701000). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU in Acre-Feet										
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual	
148.7	307.1	402.6	441.0	447.0	496.9	290.7	246.7	182.0	2087.9	

The table below shows the weighted monthly factors to be applied to deliveries of water through the Horse Creek Augmentation Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	51.2%	63.6%	65.6%	69.2%	69.3%	67.2%	61.9%	56.5%	50.0%	
RF's	48.8%	36.4%	34.4%	30.8%	30.7%	32.8%	38.1%	43.5%	50.0%	
Winter RF's as % of Irrigation Season CU			-9.7%							

The Horse Creek Augmentation Station measuring device and delivery system have been approved by the Division Engineer.

Shares delivered to the Upper Gageby Creek Augmentation Station (AKA ARF 125)

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 1,008 Trade Shares associated with Farms 1, 2, and 27 to Gageby Creek through an Augmentation Stations (WDID 6701006). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU in Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
105.3	211.7	277.7	306.2	314	345.2	204	174	126.1	1499.7

The table below shows the weighted monthly factors to be applied to deliveries of water through the Upper Gageby Creek Augmentation Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	60.1%	70.9%	73.5%	77.8%	78.4%	75.6%	70.7%	64.0%	57.4%	
RF's	39.9%	29.1%	26.5%	22.2%	21.6%	24.4%	29.3%	36.0%	42.6%	
Winter RF's as % of Irrigation Season HCU			-7.1%							

The Gageby Upper Augmentation Station measuring devices and delivery systems have been approved by the Division Engineer.

Shares delivered to the Lower Gageby Creek Augmentation Station (AKA ARF 126)

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 316 Trade Shares associated with Farms 33 and 36 to Gageby Creek through an Augmentation Station (WDID 6701002). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU in Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
34.8	67.4	86.1	94.7	96.6	106.1	63.2	54.7	40.7	468.6

The table below shows the weighted monthly factors to be applied to deliveries of water through the Lower Gageby Creek Augmentation Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	62.6%	68.8%	70.8%	72.1%	71.5%	69.8%	66.0%	64.3%	60.3%	
RF's	37.4%	31.26%	29.2%	27.9%	28.5%	30.2%	34.0%	35.7%	39.7%	
Winter RF's as % of Irrigation Season HCU			-7.4%							

The Gageby Upper and Lower Augmentation Station measuring devices and delivery systems have been approved by the Division Engineer.

Shares delivered to the Farm 132/133 Augmentation Station and Recharge Site (AKA Hasty, ARF 145)

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 1,021 Trade Shares associated with Farms 14, 15, 37, 41, 54, 58 and 132/133 to the Farm 132/133 Recharge Site (WDID 6704821) and the accompanying Hasty Augmentation Station (WDID 6701005) and Farm Headgate 151E Return Flow Station (WD 6701016). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU in Acre-Feet										
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual	
115.0	222.9	285.1	315.7	322.8	352.9	209.0	179.8	133.1	1567.7	

The table below shows the weighted monthly factors to be applied to deliveries of water to the Farm 132/133 Recharge Site, Hasty Augmentation Station and Headgate 151-E Return Flows Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	66.9%	73.6%	75.9%	78.3%	78.7%	76.5%	71.6%	68.3%	62.8%	
RF's	33.1%	26.4%	24.1%	21.7%	21.3%	23.5%	28.4%	31.7%	37.2%	
Winter RF's as % of Irrigation Season CU			-6.4%							

Note that for the Headgate 151-E delivery point an approved measuring device on telemetry has been installed and approved by the Division Engineer’s Office. Measuring devices at the Farm 132/133 Recharge Site and the Hasty Augmentation Station have been approved by the Division Engineer as well as the operation of the recharge site. The configuration of measurement makes the delineation of recharge overflow and water delivered directly for augmentation around the ponds ambiguous. The Division Engineer’s Office and LAWMA have been collaborating to come up with a solution. 117 shares of return flow obligation will be returned to Prowers Arroyo from this headgate.

Shares delivered to the Limestone Creek Augmentation Station (AKA ARF 160)

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 191 Trade Shares associated with Farm 39 to Limestone Creek through the Limestone Creek Augmentation Station (WDID 6701004). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU in Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
20.8	39.7	50.5	54.9	55.5	61.1	36.3	31.5	23.9	269.7

The table below shows the monthly factors to be applied to deliveries of water through the Limestone Creek Augmentation Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	61.8%	67.9%	68.5%	69.0%	67.8%	66.9%	63.7%	62.9%	59.8%	
RF's	38.2%	32.1%	31.5%	31.0%	32.2%	33.1%	36.3%	37.1%	40.2%	
Winter RF's as % of Irrigation Season CU			-6.8%							

The Limestone Augmentation Station measuring device and delivery system has been approved by the Division Engineer.

Shares delivered to the Farm 65 Recharge Site (AKA ARF 162, Limestone Recharge)

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 216 Trade Shares associated with Farms 127 and 65 to the Farm 65 Recharge Site (WDID 1704822). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU in Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
24.1	46.3	59.0	64.7	65.7	72.0	42.6	36.7	27.6	318.9

The table below shows the monthly factors to be applied to deliveries of water to the Farm 65 Recharge Site:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	66.5%	72.4%	73.7%	75.4%	74.9%	73.0%	68.7%	66.5%	61.9%	
RF's	33.5%	27.6%	26.3%	24.6%	25.1%	27.0%	31.3%	33.5%	38.1%	
Winter RF's as % of Irrigation Season CU			-6.2%							

Measuring devices at the Farm 65 Recharge Site have been approved by the Division Engineer as well as the operation of the recharge site.

Shares delivered to the McClave Augmentation Station (AKA ARF 166)

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 390 Trade Shares associated with Farms 42 and 64 to the McClave Drain through the McClave Augmentation Station (WDID 6701003). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU - Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
43.3	82.1	105.2	114.9	116.4	127.9	75.7	65.5	49.4	565.8

The table below shows the weighted monthly factors to be applied to deliveries of water through the McClave Augmentation Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	64.9%	70.7%	71.7%	72.7%	71.6%	70.1%	67.3%	64.1%	59.8%	
RF's	35.1%	29.3%	28.3%	27.3%	28.4%	29.9%	32.7%	35.9%	40.2%	
Winter RF's as % of Irrigation Season CU			-6.5%							

The McClave Augmentation Station measuring device and delivery system has been approved by the Division Engineer.

Shares delivered to the Graveyard Arbor Augmentation Station (AKA ARF 181)

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 314 Trade Shares associated with Farms 53 and Coen Farm to the river through the Arbor Augmentation Station (WDID 6701001). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU - Acre-Feet										
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual	
31.3	60.0	76.3	83.1	84.0	92.6	55.0	47.7	36.1	407.3	

The table below shows the weighted monthly factors to be applied to deliveries of water through the Graveyard Arbor Augmentation Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	62.1%	68.1%	68.4%	68.8%	67.4%	66.7%	63.8%	62.6%	59.6%	
RF's	37.9%	31.9%	31.6%	31.2%	32.6%	33.3%	36.2%	37.4%	40.4%	
Winter RF's as % of Irrigation Season CU			-6.8%							

The Graveyard Arbor Augmentation Station measuring device and delivery system has been approved by the Division Engineer.

Shares delivered to the Riverview Augmentation Station (AKA ARF 182)

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 322 Trade Shares associated with Farm 25 to the Riverview Drain through the Riverview Augmentation Station (WDID 6701000). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU - Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
34.9	67.2	85.6	93.4	94.9	104.6	62.4	54.3	40.9	461.0

The table below shows the monthly factors to be applied to deliveries of water through the Riverview Augmentation Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	60.7%	67.7%	68.5%	69.1%	68.1%	67.1%	64.1%	63.1%	59.9%	
RF's	39.3%	32.3%	31.5%	30.9%	31.9%	32.9%	35.9%	36.9%	40.1%	
Winter RF's as % of Irrigation Season CU			-7.2%							

The Riverview Augmentation Station measuring device and delivery system has been approved by the Division Engineer.

Shares delivered to the Farm 110/114 Recharge Site (AKA Wiley Drain West and East, ARF 201 and ARF 205)

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 738 Trade Shares associated with Farms 30, 63, 85, 110 and 114 to the ARF 201 and ARF 205 Recharge Sites (WDIDs 6704823 and 6704824). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU - Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
80.0	154.1	196.1	214.1	217.4	239.8	143.0	124.3	93.7	1056.6

The table below shows the monthly factors to be applied to deliveries of water to the Farm 110/114 Recharge Site:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	60.7%	67.7%	68.5%	69.1%	68.1%	67.1%	64.1%	63.1%	59.8%	
RF's	39.3%	32.3%	31.5%	30.9%	31.9%	32.9%	35.9%	36.9%	40.2%	
Winter RF's as % of Irrigation Season CU			-5.1%							

The Farm 110/114 Recharge System Operation was approved by the Division Engineer in late 2019 for storage pursuant to a letter dated August 2, 2019 (attached). DWR will continue to work with LAWMA during the 2023-24 plan year to quantify any recharge credits from these sites despite the facilities not meeting LAWMA's operational criteria from a financial standpoint. What credits are generated will be counted towards LAWMA's replacement sources.

Shares delivered to the Farm 63 Recharge Site (AKA ARF 230G)

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 410 Trade Shares associated with Farm 63 to the Farm 63 Recharge Site (WDID 6704825). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU - Acre-Feet									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max AF Annual
44.5	85.6	108.9	118.9	120.8	133.2	79.5	69.1	52.1	587.0

The table below shows the monthly factors to be applied to deliveries of water to the Farm 63 Recharge Site:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	60.7%	67.7%	68.5%	69.1%	68.1%	67.1%	64.1%	63.1%	59.9%	
RF's	39.3%	32.3%	31.5%	30.9%	31.9%	32.9%	35.9%	36.9%	40.1%	
Winter RF's as % of Irrigation Season CU			-7.2%							

The Farm 63 Recharge System Operation has been approved by the Division Engineer.

Shares delivered to the Wheatridge Augmentation Station (AKA ARF 259)

LAWMA, in coordination with the Fort Lyon Canal, intends to deliver 669 Trade Shares associated with Farms 62, 118 and 141 to the river through the Wheatridge Augmentation Station (WDID 6701011). Based on the modified analysis performed by DWR, the following table of monthly and annual limits for consumable credits apply:

Max Monthly HCU									
Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Max Annual
62.3	121.9	156.2	171.8	175.1	192.5	114.1	98.7	73.0	847.9

The table below shows the monthly factors to be applied to deliveries of water through the Wheatridge Augmentation Station:

On-Farm Depletion and RF Factors: Average Monthly Depletions and Returns at Farm as a percent of Average Monthly Farm Headgate Delivery										
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Depletions	62.6%	70.4%	72.9%	75.2%	75.1%	73.1%	68.9%	65.6%	60.1%	
RF's	37.4%	29.6%	27.1%	24.8%	24.9%	26.9%	31.1%	34.4%	39.9%	
Winter RF's as % of Irrigation Season CU			-7.0%							

The Wheatridge Augmentation Station measuring device and delivery system have been approved by the Division Engineer.

14. For deliveries from augmentation stations on tributaries that deliver water through the Amity Canal, consumable water measured into the tributary less assessed transit loss shall be bypassed at the Amity Canal along with other waters at any time the Amity's water rights on those tributaries are not in priority.
15. When the Amity water rights on the tributaries are in priority, the net consumable water will be credited to LAWMA at the Amity Canal and will not be required to be bypassed unless the Amity Canal water right on the tributary is fully satisfied.
16. Delivery of water from the changed shares through any drain or tributary will be periodically verified by hydrographic measurement to review assessed transit losses and ensure delivery to the point of depletion replacement. Water introduced into a drain or tributary that causes the flows to increase beyond the normal carrying capacity of the drain or tributary in

a manner that causes flooding or damage to adjacent property or structures may be cause for reduction or cessation of deliveries.

17. Pro-rata deliveries at approved Fort Lyon headgate locations and pursuant to agreements with various laterals from which the shares originated, shall be made to maintain historical return flows due to canal and lateral losses. Should a dispute arise over property damages believed to be the result of such deliveries, resolution shall be pursuant to the terms of the relevant agreements and the Division Engineer will review the complaint and work with LAWMA to make any necessary adjustments to prevent additional injury to property.
18. Transit losses on all deliveries of LAWMA replacement water shall be as determined by the Division Engineer or her delegated representative.
19. All diversions must be measured in a manner acceptable to the Division Engineer. The Applicant must install and maintain measuring devices as required by the Division Engineer for operation of this SWSP. Operation of this SWSP requires the Applicants to install measuring devices pursuant to the Division 2 Functional Standards.
20. LAWMA will continue to submit the accounting required by the 02CW181 Decree to the Division Engineer's Office by the 10th of each month. Accounting for the Fort Lyon shares within LAWMA's accounting shall incorporate the factors and limits from this SWSP.
21. This SWSP assumes that return flows from deliveries of Fryingpan-Arkansas Project (Fry-Ark) water will be available in amount, time and location to replace a portion of the out-of-priority depletions to senior surface water rights in Colorado and thereby prevent some depletions to usable stateline flow. The State and Division Engineers have determined that the estimates of Fry-Ark return flow to be used in this SWSP are reasonable. If, however, the Fry-Ark return flows prove to be insufficient in amount, time or location to replace out-of-priority depletions to senior surface water rights in Colorado, LAWMA will be required to either: 1) curtail pumping by its member wells or 2) obtain additional sources of replacement water as the State and Division Engineers may direct. LAWMA shall confer with the Division Engineer as requested to determine the amount, time and location of Fry-Ark return flows.
22. Approval of this SWSP does not give LAWMA any rights of use of Fryingpan-Arkansas Project structures, or any rights of ownership or rights to purchase or receive an allocation of Project water or return flows therefrom and will not alter any existing rights LAWMA may have.
23. LAWMA's purchase and use of Project water and of return flows therefrom shall be consistent with the Allocation Principles of the Southeastern Colorado Water Conservancy District (as they may from time to time be amended), and the lawful rules, regulations, policies, procedures, contracts, charges and terms as may be lawfully determined from time to time by Southeastern, in its sole discretion. Project water or return flows therefrom may be used as a supplemental supply in LAWMA's SWSP only if, and to the extent, such water is allocated by Southeastern to LAWMA, and is purchased from Southeastern.
24. The State Engineer may revoke this SWSP or add additional restrictions to its operation if at any time the State Engineer determines that injury to other vested water rights has

occurred or will occur as a result of the operation of this SWSP. Should this SWSP expire without renewal or be revoked prior to adjudication of a permanent plan for augmentation, all use of water under this SWSP must cease immediately.

25. The decision of the State Engineer shall have no precedential or evidentiary force, shall not create any presumptions, shift the burden of proof, or serve as a defense in the pending water court case or any other legal action that may be initiated concerning this SWSP. This decision shall not bind the State Engineer to act in a similar manner in any other applications involving other SWSPs or in any proposed renewal of this SWSP, and shall not imply concurrence with any findings of fact or conclusions of law contained herein, or with the engineering methodologies used by the Applicant. Any appeal of a decision made by the State Engineer concerning an SWSP pursuant to §37-92-308(4), C.R.S., shall be to the Division 2 Water Judge within thirty days of the date of this decision and shall be consolidated with the pending court application.

Should you have any questions, please contact Melissa van der Poel in Denver, or Rachel Zancanella, Division Engineer, in Pueblo, at (719) 542-3368.

Sincerely,

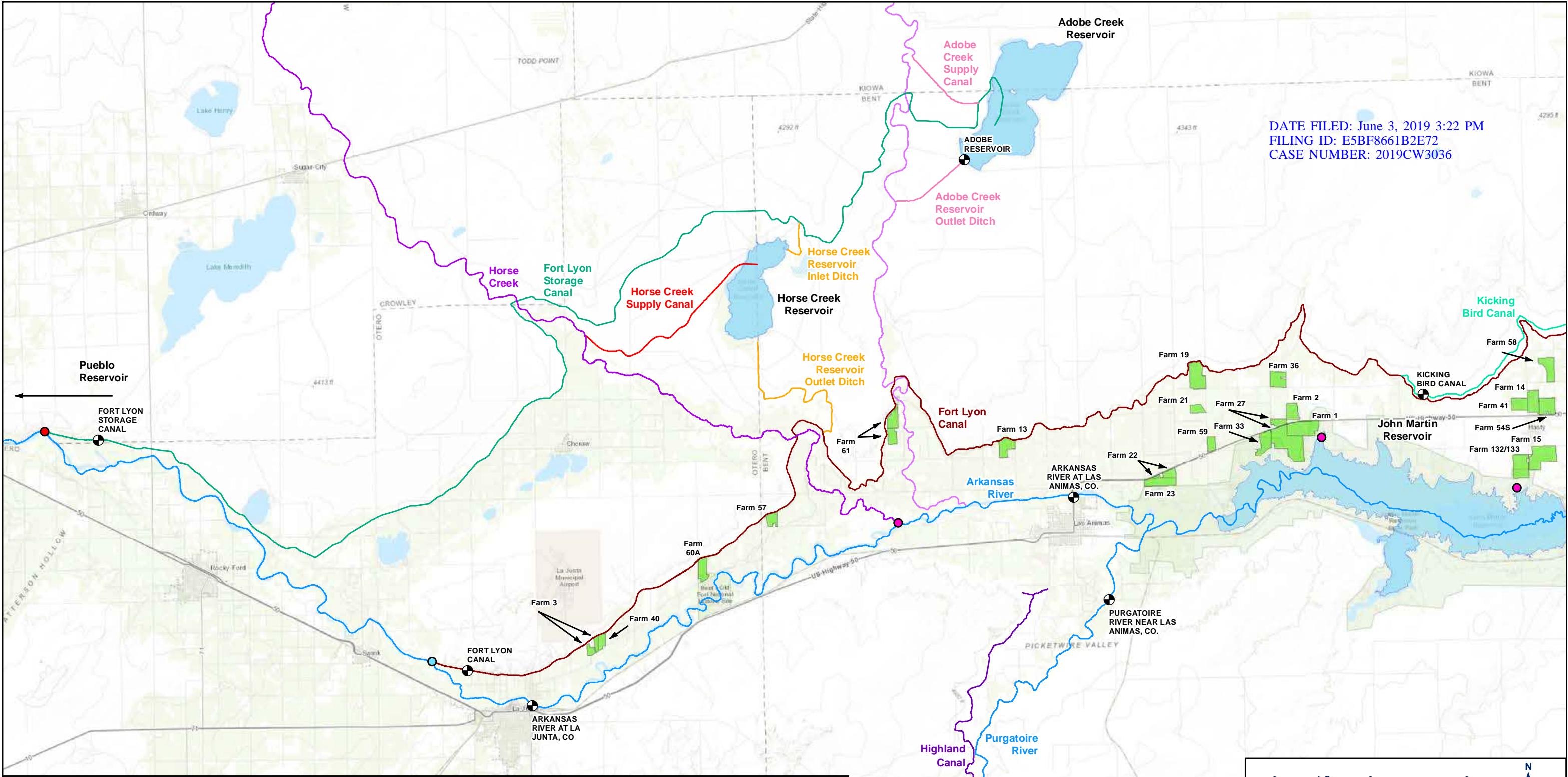
A handwritten signature in blue ink that reads "Jeff Deatherage". The signature is fluid and cursive, with a long horizontal flourish at the end.

Jeff Deatherage, P.E.
Chief of Water Supply

Attachments: Area maps C1 and C2, list of disqualified or discounted dryup parcels

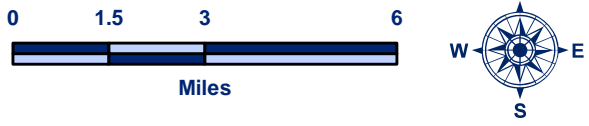
ec: Division 2 SWSP Review team
Jeanette Myers, Lead Water Commissioner District 17
Brandy Cole, East Region Team Lead
Opposers to Case No. 19CW3036

DATE FILED: June 3, 2019 3:22 PM
 FILING ID: E5BF8661B2E72
 CASE NUMBER: 2019CW3036



Legend

- Fort Lyon Storage Canal Headgate
- Fort Lyon Canal Headgate
- Major River Gauges
- ATM Shares Delivery Points
- Kicking Bird Canal
- Horse Creek
- Adobe Creek Supply Canal
- Horse Creek Supply Canal
- Horse Creek Reservoir Inlet / Outlet
- Fort Lyon Storage Canal
- Fort Lyon Canal
- Adobe Creek
- Historically Irrigated Acres
- John Martin Reservoir
- Horse Creek Reservoir
- Adobe Creek Reservoir



Job No.
L101

File:
FLCC
Exhibit C Maps.mxd

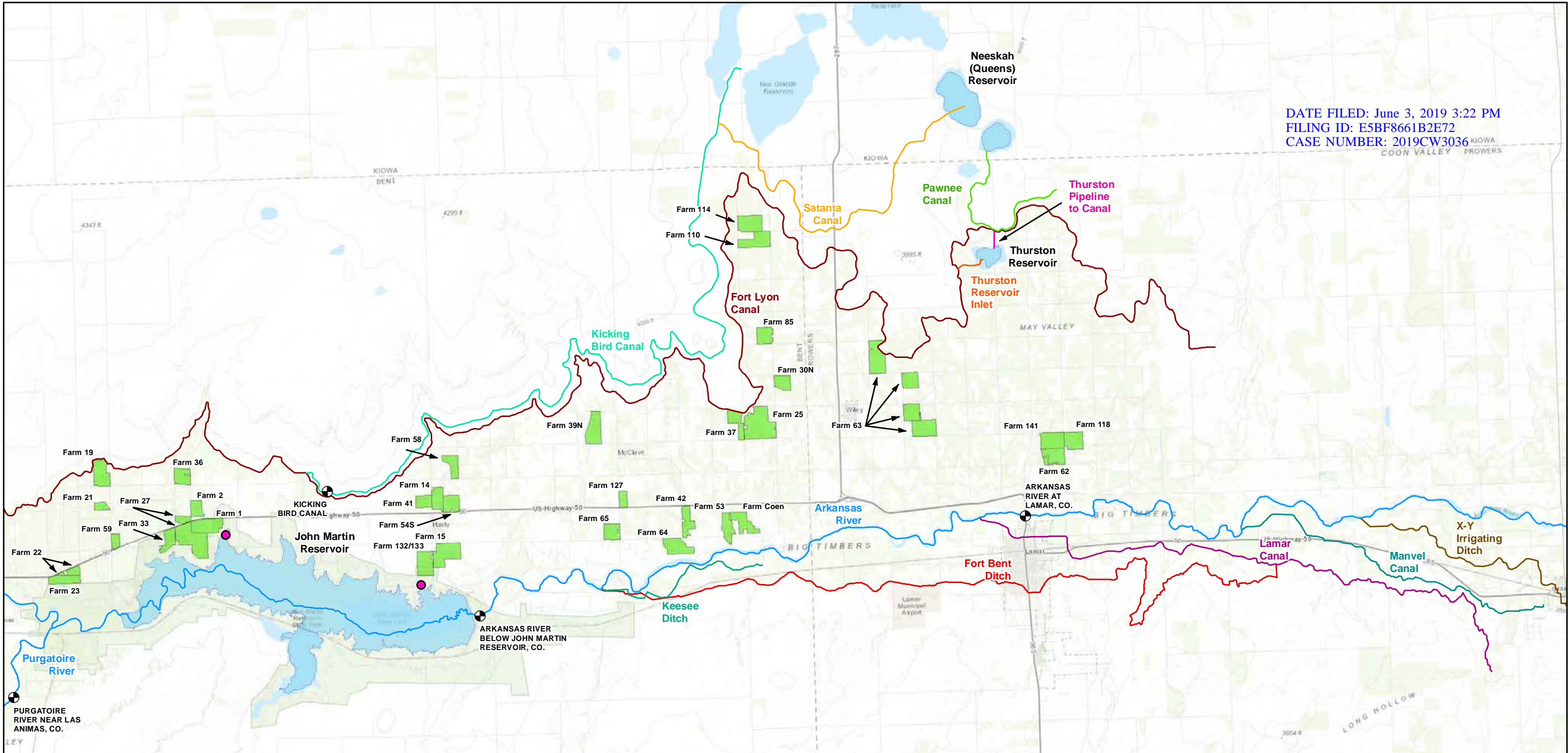
Date:
3/5/2019

Prepared For:
LAWMA

**Hendrix Wai
Engineering, Inc.**

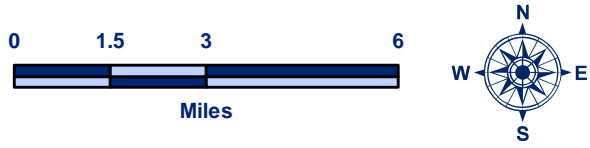
Exhibit C-1
General Location Map
of the Western Portion of
the Fort Lyon Canal System

DATE FILED: June 3, 2019 3:22 PM
 FILING ID: E5BF8661B2E72
 CASE NUMBER: 2019CW3036



Legend

- | | | |
|----------------------------|----------------------|------------------------------|
| Major River Gauges | X-Y Irrigating Ditch | Historically Irrigated Acres |
| ATM Shares Delivery Points | Manvel Canal | Queens Reservoir |
| Pawnee Canal | Lamar Canal | Thurston Reservoir |
| Satanta Canal | Keesee Ditch | John Martin Reservoir |
| Kicking Bird Canal | Fort Bent Canal | |
| Thurston Reservoir Inlet | Fort Lyon Canal | |
| Thurston Pipeline to Canal | | |



Job No.
L101

File:
FLCC
Exhibit C Maps.mxd

Date:
3/5/2019

Prepared For:
LAWMA

**Hendrix Wai
Engineering, Inc.**

Exhibit C-2
 General Location Map
 of the Eastern Portion of
 the Fort Lyon Canal System

2022 DRY UP: DISQUALIFIED, DISCOUNTED, AND REMEDIATION NEEDED PARCELS

PARCEL_ID	ARF FARM	DISQUALIFICATION COMMENTS	USER_NO	ACRES
22503611	#132/133	DISQUALIFIED FOR <5 AC	20	2.52
22491903	#14/54B	DISQUALIFIED FOR SEEP	20	6.67
22512024	#21	DISQUALIFIED FOR ALFALFA	10	19.64
22513128	#23	DISQUALIFIED FOR <5 AC	10	1.86
22513115	#23	DISQUALIFIED FOR TREES	10	3.30
22512601	#27	DISQUALIFIED FOR TREES, TAMARISK, AND ALFALFA	10	28.93
23543005	#3	DISQUALIFIED FOR SW IRR	10	18.07
22511421	#36	DISQUALIFIED FOR NEVER IRRIGATED; PARCEL NOT IN COURT CASE	10	6.23
23543006	#40	DISQUALIFIED FOR SW IRR	10	24.52
22491933	#54B	DISQUALIFIED FOR <5 AC ON SW PIVOT	20	2.77
22491912	#54B	DISQUALIFIED FOR CORNER <5 AC ON SW PIVOT	20	0.64
22491930	#54B	DISQUALIFIED FOR TREES	20	5.96
22532627	#61	DISQUALIFIED FOR <5 AC	10	3.08
22532312	#61	DISQUALIFIED FOR TREES	10	19.08
22482621	COEN	DISQUALIFIED FOR NEVER IRRIGATED; PARCEL NOT IN COURT CASE	20	10.56
22482718	COEN	DISQUALIFIED FOR NEVER IRRIGATED; PARCEL NOT IN COURT CASE	20	3.12

PARCEL_ID	ARF FARM	DISCOUNT COMMENTS	USER_NO	ACRES
22481117	#25	DISCOUNTED 25% FOR ALFALFA, CONTINUE REMEDIATION	20	24.16
22512613	#27	DISCOUNTED 25% FOR ALFALFA ON SW CORNER	10	13.71
23543022	#3	DISCOUNTED 25% FOR TAMARISK; REMEDIATE	10	7.31
23543007	#40	DISCOUNTED 25% FOR TAMARISK; REMEDIATE	10	10.67
22532626	#61	DISCOUNTED 15% FOR NO SEPERATION BETWEEN SW IRR, DITCH NEEDED	10	13.89
21473302	#63	DISCOUNTED 10% FOR ALFALFA; MONITOR FOR POSSIBLE AUG SPILL	20	104.41
22471001	#63	DISCOUNTED 25% FOR ALFALFA; REMEDIATE	20	38.50
22471020	#63	DISCOUNTED 25% FOR ALFALFA; REMEDIATE	20	12.63
22483204	#64	DISCOUNTED 50% FOR AUG DITCH SPILL ONTO DRYUP	20	42.69

PARCEL_ID	ARF FARM	REMEDATION COMMENTS	USER_NO	ACRES
22493115	#15	REMEDiate FOR TAMARISK	20	19.76
22503604	#132/133	REMEDiate FOR TAMARISK AND PONDING DUE TO ROAD BERM	10	37.72
22482809	#42	REMEDiate FOR TAMARISK IN SE CORNER	20	16.45
22482816	#42	REMEDiate FOR TAMARISK IN SE CORNER	20	5.89
22482812	#42	REMEDiate FOR TAMARISK IN SW CORNER	20	12.24
22513110	#23	REMEDiate FOR TREES	10	24.25
22513403	#33	REMEDiate FOR TREES	10	16.89
22511713	#19	REMEDiate FOR TREES AND TAMARISK	10	36.13
22512708	#33	REMEDiate FOR TREES AND TAMARISK, MONITOR FOR SEEP	10	30.53
22481101	#25	REMEDiate FOR TREES IN SW CORNER, MONITOR FOR ALFALFA	20	57.83
22522916	#13	REMEDiate FOR TREES, MONITOR FOR ALFALFA	10	16.14
22522915	#13	REMEDiate FOR TREES, MONITOR FOR ALFALFA	10	11.30
22522920	#13	REMEDiate FOR TREES, MONITOR FOR ALFALFA	10	18.89
22522921	#13	REMEDiate FOR TREES, MONITOR FOR ALFALFA	10	12.01
22522903	#13	REMEDiate FOR TREES, MONITOR FOR ALFALFA	10	11.36
22491717	#14/54B	REMEDiate FOR TREES, MONITOR FOR ALFALFA IN NE CORNER	20	7.32



November 29, 2023

Earl D. Lewis, Jr. Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502

Subject: Notice of Delivery to the Offset Account in John Martin Reservoir - Keesee Water Right

Dear Mr. Lewis,

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended March 30, 1998** (“Resolution”) of a delivery of water to the Offset Account. This letter provides the monthly reporting of deliveries to the Offset Account from the Lower Arkansas Water Management Association’s (LAWMA) shares of the Keesee Ditch. This letter also serves to describe the operations in 2023, first described in the letter of March 25, 2023, which provided the initial notice of delivery of water from this replacement source for 2023.

Keesee Ditch operations reported pursuant to Paragraph 14 of the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998.

LAWMA was able to store the consumable portion of half of the Keesee Ditch water right in the Offset Account in John Martin Reservoir.

The basic daily operation of the determination of the in-priority amount for the Keesee Ditch, computation of consumptive use component, and subsequent storage are described below:

1. On a daily basis the River Operations Coordination staff in the Division 2 office determined from available inflows the amount available for diversion by Water District 67 ditches under the priority system with appropriate transit loss included. Due to the relative seniority of the Keesee Ditch 1881 and 1883 water rights, the amount available to the Keesee Ditch water right was most typically the full 13.5 cubic feet per second (9 cfs for 1881 and 4.5 cfs for 1883) except when conservation storage from November 2022 through April 2023 was being distributed into accounts and during the Summer Conservation storage events in June and July. In 2023, the relatively junior third priority Keesee Ditch water right (15 cfs for 1893) was not in priority.
2. Upon determination of the daily amount available to the Keesee Ditch for diversion, the monthly consumptive use factor was applied to determine the amount of consumable water available to be stored or bypassed for in-state replacement.
3. The consumable portion to be stored was then shown as an inflow to the Offset Account and deposited in the Colorado Downstream Consumable subaccount.



- 4. Dryup acreage was monitored by Colorado through site visits, and by LAWMA through coordination with the Keesee Ditch owner.

Summary

Enclosure 1 contains the accounting spreadsheets used to determine the credits from the Keesee Ditch for 2023.

The following table summarizes the deliveries of water into the Offset Account during the reporting period.

MONTH	C. U. Water to the Offset Account (ac-ft)	C. U. Water to In-State Replacement (ac-ft)
April	40.20	176.79
May	154.01	154.01
June	136.92	136.78
July	126.77	126.76
August	279.93	279.94
September	195.15	194.95
October	145.15	145.15
Total	1,078.13	1,214.38

Please contact me if you have any questions or require additional information.

Sincerely,



Rachel A. Zancanella,
P.E. Division Engineer
Water Division 2
Colorado Division of Water

Resources Enclosures (4)

cc: Kevin Salter Rachel Duran Dale Book Ayrton Hendrix
Randy Hendrix Dan Steuer Bethany Arnold Brian Lenherr
Lonnie Spady Christine Sednek

Enclosure 1

Keesee Ditch Accounting for 2023

Date	Keesee in Priority	Computed CU Water to Account 53	Keesee Bypassed for In-State	Computed CU Water to Reach 11	In Conservation Storage?
	(cfs) [1]	(ac-ft) [2]	(cfs) [4]	(ac-ft) [5]	
4/1/2023	[3]	0.00		0.00	Yes
4/2/2023		0.00		0.00	Yes
4/3/2023		0.00		0.00	Yes
4/4/2023		0.00		0.00	Yes
4/5/2023		0.00		0.00	Yes
4/6/2023		0.00		0.00	Yes
4/7/2023		0.00		0.00	Yes
4/8/2023		0.00		0.00	Yes
4/9/2023		0.00		0.00	Yes
4/10/2023		0.00		0.00	Yes
4/11/2023		0.00		0.00	Yes
4/12/2023		0.00		0.00	Yes
4/13/2023		0.00		0.00	Yes
4/14/2023		0.00		0.00	Yes
4/15/2023		0.00		0.00	Yes
4/16/2023		0.00		0.00	Yes
4/17/2023	1.87	0.00	1.87	2.78	No
4/18/2023	9.00	0.00	9.00	13.39	No
4/19/2023	9.00	6.70	4.50	6.69	No
4/20/2023	9.00	6.70	4.50	6.69	No
4/21/2023	9.00	6.70	4.50	6.69	No
4/22/2023	9.00	6.70	4.50	6.69	No
4/23/2023	9.00	6.70	4.50	6.69	No
4/24/2023	9.00	6.70	4.50	6.69	No
4/25/2023	13.50	0.00	13.50	20.08	No
4/26/2023	13.50	0.00	13.50	20.08	No
4/27/2023	13.50	0.00	13.50	20.08	No
4/28/2023	13.50	0.00	13.50	20.08	No
4/29/2023	13.50	0.00	13.50	20.08	No
4/30/2023	13.50	0.00	13.50	20.08	No
Total Diversion AF=	289.33	40.20	235.78	176.79	
Max Diversion AF=	480.00	Actual Diversion AF=	525.11	AF	
Max Monthly CU AF=	360.00	Actual CU AF=	216.99	AF	
		End of Month Adjustmen	0.00	AF	

CU factor for April = 75.0%
 Cumulative Annual Diversion AF= 525.11
 Maximum Annual Diversion AF= 5006

Date	Keesee in Priority (cfs) [1]	Computed CU Water to Account 53 (ac-ft) [2]	Keesee Bypassed for In-State (cfs) [3]	Computed CU Water to Reach 11 (ac-ft) [4]	In Conservation Storage?
5/1/2023	13.50	10.31	6.75	10.31	No
5/2/2023	13.50	10.31	6.75	10.31	No
5/3/2023	13.50	10.31	6.75	10.31	No
5/4/2023	13.50	10.31	6.75	10.31	No
5/5/2023	13.50	10.31	6.75	10.31	No
5/6/2023	13.50	10.31	6.75	10.31	No
5/7/2023	13.50	10.31	6.75	10.31	No
5/8/2023	13.50	10.31	6.75	10.31	No
5/9/2023	13.50	10.31	6.75	10.31	No
5/10/2023	13.50	10.31	6.75	10.31	No
5/11/2023	13.50	10.31	6.75	10.31	No
5/12/2023	13.50	10.31	6.75	10.31	No
5/13/2023	13.50	10.31	6.75	10.31	No
5/14/2023	13.50	10.31	6.75	10.31	No
5/15/2023	12.66	9.67	6.33	9.67	No
5/16/2023		0.00		0.00	No
5/17/2023		0.00		0.00	No
5/18/2023		0.00		0.00	No
5/19/2023		0.00		0.00	No
5/20/2023		0.00		0.00	No
5/21/2023		0.00		0.00	No
5/22/2023		0.00		0.00	No
5/23/2023		0.00		0.00	No
5/24/2023		0.00		0.00	No
5/25/2023		0.00		0.00	No
5/26/2023		0.00		0.00	No
5/27/2023		0.00		0.00	No
5/28/2023		0.00		0.00	No
5/29/2023		0.00		0.00	No
5/30/2023		0.00		0.00	No
5/31/2023		0.00		0.00	No
Total Diversion AF=	399.99	154.01	200.00	154.01	
Max Diversion AF=	400.00	Actual Diversion AF=	399.99	AF	
Max Monthly CU A	308.00	Actual CU AF=	308.02	AF	

End of Month Adjustmen 0.02 AF

CU factor for May = 77.0%
 Cumulative Annual Diversion AF= 925.10
 Maximum Annual Diversion AF= 5006

Date	Keesee in Priority (cfs) [1]	Computed CU Water to Account 53 (ac-ft) [2]	Keesee Bypassed for In-State (cfs) [3]	Computed CU Water to Reach 11 (ac-ft) [4]	In Conservation Storage?
6/1/2023	13.50	9.78	6.75	9.77	No
6/2/2023	13.50	9.78	6.75	9.77	No
6/3/2023	13.50	9.78	6.75	9.77	No
6/4/2023	13.50	9.78	6.75	9.77	No
6/5/2023	13.50	9.78	6.75	9.77	No
6/6/2023	13.50	9.78	6.75	9.77	No
6/7/2023	13.50	9.78	6.75	9.77	No
6/8/2023	13.50	9.78	6.75	9.77	No
6/9/2023	13.50	9.78	6.75	9.77	No
6/10/2023	13.50	9.78	6.75	9.77	No
6/11/2023	13.50	9.78	6.75	9.77	No
6/12/2023	13.50	9.78	6.75	9.77	No
6/13/2023	13.50	9.78	6.75	9.77	No
6/14/2023	13.50	9.78	6.75	9.77	No
6/15/2023		0.00		0.00	Yes
6/16/2023		0.00		0.00	Yes
6/17/2023		0.00		0.00	Yes
6/18/2023		0.00		0.00	Yes
6/19/2023		0.00		0.00	Yes
6/20/2023		0.00		0.00	Yes
6/21/2023		0.00		0.00	Yes
6/22/2023		0.00		0.00	Yes
6/23/2023		0.00		0.00	Yes
6/24/2023		0.00		0.00	Yes
6/25/2023		0.00		0.00	Yes
6/26/2023		0.00		0.00	Yes
6/27/2023		0.00		0.00	Yes
6/28/2023		0.00		0.00	Yes
6/29/2023		0.00		0.00	Yes
6/30/2023		0.00		0.00	Yes
Total Diversion AF=	374.88	136.92	187.44	136.78	
Max Diversion AF=	424.00 [5]	Actual Diversion AF=	374.88	AF	
Max Monthly CU AF=	309.52	Actual CU AF= [6]	273.70	AF	
		End of Month Adjustment=	0.00	AF	

60.9% << LAWMA reduction percentage for June (normally 862 af)

CU factor for June = 73.0%
 Cumulative Annual Diversion AF= 1299.99
 Maximum Annual Diversion AF= 5006

Limit Monthly river headgate diversions to 278 a/f delivered to Offset Acct.
 Limit Monthly river headgate diversions to 278 a/f delivered to river for in-state replacement.

Date	Keesee in Priority (cfs) [1]	Computed CU Water to Account 53 (ac-ft) [2]	Keesee Bypassed for In-State (cfs) [3]	Computed CU Water to Reach 11 (ac-ft) [4]	In Conservation Storage?
7/1/2023		0.00		0.00	Yes
7/2/2023		0.00		0.00	Yes
7/3/2023		0.00		0.00	Yes
7/4/2023		0.00		0.00	Yes
7/5/2023		0.00		0.00	Yes
7/6/2023		0.00		0.00	Yes
7/7/2023		0.00		0.00	Yes
7/8/2023		0.00		0.00	Yes
7/9/2023		0.00		0.00	Yes
7/10/2023		0.00		0.00	Yes
7/11/2023		0.00		0.00	Yes
7/12/2023		0.00		0.00	Yes
7/13/2023	10.69	7.85	5.35	7.84	No
7/14/2023	13.50	9.91	6.75	9.91	No
7/15/2023	13.50	9.91	6.75	9.91	No
7/16/2023	13.50	9.91	6.75	9.91	No
7/17/2023	13.50	9.91	6.75	9.91	No
7/18/2023	13.50	9.91	6.75	9.91	No
7/19/2023	13.50	9.91	6.75	9.91	No
7/20/2023					Yes
7/21/2023					Yes
7/22/2023					Yes
7/23/2023					Yes
7/24/2023					Yes
7/25/2023					Yes
7/26/2023	13.50	9.91	6.75	9.91	No
7/27/2023	13.50	9.91	6.75	9.91	No
7/28/2023	13.50	9.91	6.75	9.91	No
7/29/2023	13.50	9.91	6.75	9.91	No
7/30/2023	13.50	9.91	6.75	9.91	No
7/31/2023	13.50	9.91	6.75	9.91	No
Total Diversion AF=	342.53	126.77	171.28	126.76	
Max Diversion AF=	664.00	Actual Diversion AF=	342.53	AF	
Max Monthly CU AF=	491.36	Actual CU AF= [5]	253.53	AF	

End of Month Adjustment= 0.00 AF

CU factor for July = 74.0%

Cumulative Annual Diversion AF= 1642.52 Adjusted Max 786

Maximum Annual Diversion AF= 5006

Limit Monthly river headgate diversions to 445 a/f delivered to Offset Acct.

Limit Monthly river headgate diversions to 445 a/f delivered to river for in-state replacement.

Date	Keesee in Priority	Computed CU Water to Account 53	Keesee Bypassed for In-State	Computed CU Water to Reach 11	In Conservation Storage?	# of hours NOT in Conservation Storage?
	(cfs) [1]	(ac-ft) [2]	(cfs) [3]	(ac-ft) [4]		
8/1/2023	13.50	9.37	6.75	9.37	No	
8/2/2023	13.50	9.37	6.75	9.37	No	
8/3/2023	13.50	9.37	6.75	9.37	No	
8/4/2023	13.50	9.37	6.75	9.37	No	
8/5/2023	13.50	9.37	6.75	9.37	No	
8/6/2023	13.50	9.37	6.75	9.37	No	
8/7/2023	13.50	9.37	6.75	9.37	No	
8/8/2023	13.50	9.37	6.75	9.37	No	
8/9/2023	13.50	9.37	6.75	9.37	No	
8/10/2023	13.50	9.37	6.75	9.37	No	
8/11/2023	13.50	9.37	6.75	9.37	No	
8/12/2023	13.50	9.37	6.75	9.37	No	
8/13/2023	13.50	9.37	6.75	9.37	No	
8/14/2023	13.50	9.37	6.75	9.37	No	
8/15/2023	13.50	9.37	6.75	9.37	No	
8/16/2023	13.50	9.37	6.75	9.37	No	
8/17/2023	13.50	9.37	6.75	9.37	No	
8/18/2023	13.50	9.37	6.75	9.37	No	
8/19/2023	13.50	9.37	6.75	9.37	No	
8/20/2023	13.50	9.37	6.75	9.37	No	
8/21/2023	13.50	9.37	6.75	9.37	No	
8/22/2023	13.50	9.37	6.75	9.37	No	
8/23/2023	13.50	9.37	6.75	9.37	No	
8/24/2023	13.50	9.37	6.75	9.37	No	
8/25/2023	13.50	9.37	6.75	9.37	No	
8/26/2023	13.50	9.37	6.75	9.37	No	
8/27/2023	13.50	9.37	6.75	9.37	No	
8/28/2023	13.50	9.37	6.75	9.37	No	
8/29/2023	13.50	9.37	6.75	9.37	No	
8/30/2023	11.82	8.20	5.91	8.21	No	
8/31/2023		0.00		0.00	No	
Total Diversion AF=	799.99	279.93	399.99	279.94		
Max Diversion AF=	800.00	Actual Diversion AF=	799.99	AF		
Max Monthly CU AF=	560.00	Actual CU AF= [5]	559.87	AF		

End of Month Adjustment= 0.00 AF

CU factor for August = 70.0%
Cumulative Annual Diversion AF= 2442.50
Maximum Annual Diversion AF= 5006

Limit Monthly river headgate diversions to 351 a/f delivered to Offset Acct.
Limit Monthly river headgate diversions to 351 a/f delivered to river for in-state replacement.

Date	Keesee in Priority	Computed CU Water to	Keesee Bypassed	Computed	In Conservation Storage?
	(cfs) [1]	Account 53 or 55 (ac-ft) [2]	for In-State (cfs) [3]	CU Water to Reach 11 (ac-ft) [4]	
9/1/2023	13.50	8.71	6.75	8.70	No
9/2/2023	13.50	8.71	6.75	8.70	No
9/3/2023	13.50	8.71	6.75	8.70	No
9/4/2023	13.50	8.71	6.75	8.70	No
9/5/2023	13.50	8.71	6.75	8.70	No
9/6/2023	13.50	8.71	6.75	8.70	No
9/7/2023	13.50	8.71	6.75	8.70	No
9/8/2023	13.50	8.71	6.75	8.70	No
9/9/2023	13.50	8.71	6.75	8.70	No
9/10/2023	13.50	8.71	6.75	8.70	No
9/11/2023	13.50	8.71	6.75	8.70	No
9/12/2023	13.50	8.71	6.75	8.70	No
9/13/2023	13.50	8.71	6.75	8.70	No
9/14/2023	13.50	8.71	6.75	8.70	No
9/15/2023	13.50	8.71	6.75	8.70	No
9/16/2023	13.50	8.71	6.75	8.70	No
9/17/2023	13.50	8.71	6.75	8.70	No
9/18/2023	13.50	8.71	6.75	8.70	No
9/19/2023	13.50	8.71	6.75	8.70	No
9/20/2023	13.50	8.71	6.75	8.70	No
9/21/2023	13.50	8.71	6.75	8.70	No
9/22/2023	13.50	8.71	6.75	8.70	No
9/23/2023	5.49	3.53	2.75	3.55	No
9/24/2023		0.00		0.00	No
9/25/2023		0.00		0.00	No
9/26/2023		0.00		0.00	No
9/27/2023		0.00		0.00	No
9/28/2023		0.00		0.00	No
9/29/2023		0.00		0.00	No
9/30/2023		0.00		0.00	No
Total Diversion AF=	599.99	195.15		194.95	
Max Diversion AF=	600.00	Actual Diversion AF=	599.99	AF	
Max Monthly CU AF=	390.00	Actual CU AF= [5]	390.10	AF	

End of Month Adjustment= 0.10 AF

CU factor for September = 65.0%
Cumulative Annual Diversion AF= 3042.49
Maximum Annual Diversion AF= 5006

Limit Monthly river headgate diversions to 363 a/f delivered to Offset Acct.
Limit Monthly river headgate diversions to 363 a/f delivered to river for in-state replacement.

Date	Keesee in Priority	Computed CU Water to Account 53 or 55	Keesee Bypassed for In-State	CU Water to Reach 11	In Conservation Storage?
	(cfs) [1]	(ac-ft) [2]	(cfs) [3]	(ac-ft) [4]	
10/1/2023	13.50	7.70	6.75	7.70	No
10/2/2023	13.50	7.70	6.75	7.70	No
10/3/2023	13.50	7.70	6.75	7.70	No
10/4/2023	13.50	7.70	6.75	7.70	No
10/5/2023	13.50	7.70	6.75	7.70	No
10/6/2023	13.50	7.70	6.75	7.70	No
10/7/2023	13.50	7.70	6.75	7.70	No
10/8/2023	13.50	7.70	6.75	7.70	No
10/9/2023	13.50	7.70	6.75	7.70	No
10/10/2023	13.50	7.70	6.75	7.70	No
10/11/2023	13.50	7.70	6.75	7.70	No
10/12/2023	13.50	7.70	6.75	7.70	No
10/13/2023	13.50	7.70	6.75	7.70	No
10/14/2023	13.50	7.70	6.75	7.70	No
10/15/2023	13.50	7.70	6.75	7.70	No
10/16/2023	13.50	7.70	6.75	7.70	No
10/17/2023	13.50	7.70	6.75	7.70	No
10/18/2023	13.50	7.70	6.75	7.70	No
10/19/2023	11.49	6.55	5.74	6.55	No
10/20/2023		0.00		0.00	No
10/21/2023		0.00		0.00	No
10/22/2023		0.00		0.00	No
10/23/2023		0.00		0.00	No
10/24/2023		0.00		0.00	No
10/25/2023		0.00		0.00	No
10/26/2023		0.00		0.00	No
10/27/2023		0.00		0.00	No
10/28/2023		0.00		0.00	No
10/29/2023		0.00		0.00	No
10/30/2023		0.00		0.00	No
10/31/2023		0.00		0.00	No
Total Diversion AF=	504.78	145.15	252.38	145.15	
Max Diversion AF=	504.78	Actual Diversion AF=	504.78	AF	
Max Monthly CU AF=	360.00	Actual CU AF= [5]	290.30	AF	

End of Month Adjustment= 0.00 AF

CU factor for October = 57.5%
Cumulative Annual Diversion AF= 3799.65
Maximum Annual Diversion AF= 5006
End of Year Adjustment= 0.00 AF

Limit Monthly river headgate diversions to 330 a/f delivered to Offset Acct.
Limit Monthly river headgate diversions to 330 a/f delivered to river for in-state replacement.



November 29, 2023

Earl D. Lewis, Jr. Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502

Subject: Notice of Delivery to the Offset Account in John Martin Reservoir - Catlin Canal Canal Water Rights

Dear Mr. Lewis:

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended March 30, 1998** (“Resolution”) of a delivery of water to the Offset Account. This letter provides the reporting of deliveries to the Offset Account from the Catlin Augmentation Association (CAA) shares of the Catlin Canal Company. This letter also serves to describe the operations in 2023, first described in the letter of March 25, 2023, which provided the initial notice of the delivery of water from this replacement source for 2023.

Summary

Enclosure 1 contains the accounting spreadsheets used to determine the credits from the Catlin Canal for 2023 that resulted in the John Martin Accounting System (JMAS) accounting presented in the Offset Account Report and Operation Secretary’s Report.

Ivan Walter, CAA’s engineer, provided the Historical Consumptive Use analysis that quantified the historical use of the associated Catlin Canal shares and determined the consumptive use and return flow components on a monthly basis as well as the volumetric limits applied to use of the shares changed in 12CW0094 and pending changes in 21CW3072 (application amended August 19, 2022) and in an approved Substitute Water Supply Plan (SWSP) (Enclosure 2).

The overall operation of the CAA Catlin Canal shares involved deliveries through two augmentation stations at Timpas Creek and Crooked Arroyo capable of delivering water to the Arkansas River above the John Martin dam. Four recharge ponds are included in the approved SWSP as a means to maintain delayed return flows associated with the Catlin shares and to reduce winter time deliveries for return flow maintenance.



Month	CU Amount to Offset Account	CU Amount to Multi-Purpose Account
	(AF)	(AF)
Mar-23	0.00	--
Apr-23	0.00	--
May-23	0.00	--
Jun-23	0.00	--
Jul-23	0.00	0.00
Aug-23	0.00	0.00
Sep-23	0.00	0.00
Oct-23	0.00	0.00
Nov-23	0.00	0.00

Of note for 2023, there were no credits delivered to John Martin Reservoir from the CAA augmentation stations.

Please contact me if you have any questions or require additional information.

Sincerely,



Rachel A. Zancanella,
P.E. Division Engineer
Water Division 2
Colorado Division of Water

Resources

Enclosures (2)

cc: Kevin Salter Rachel Duran Dale Book Ivan Walter
 Dan Tucker Dan Steuer Bethany Arnold Brian Lenherr
 Lonnie Spady Kent Ricken Lori Marchando Christine Sednek

Enclosure 1

CAA John Martin Delivery Accounting for 2023

**Daily Delivery of Catlin Canal Direct Flow Consumptive Use Credits
March 2023**

Date	Timpas CAA						Crooked Arroyo CAA						Transit Loss % (Calculated Weekly)	Total To Offset Account (af)	Total To CAA Upstream Consumable Account (Account 75) (af)	Total To Downstream Consumable Account (Account 53) (af)
	EXCHANGE		TO BUCKET		TO JOHN MARTIN		EXCHANGE		TO BUCKET		TO JOHN MARTIN					
	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)				
3/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/2/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/3/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/5/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/6/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/7/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/8/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/9/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/10/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/11/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/12/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/13/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/14/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/15/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/16/2023	0.00	0.00	1.36	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/17/2023	0.00	0.00	4.41	3.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/18/2023	0.00	0.00	4.60	3.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/19/2023	0.00	0.00	5.36	4.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/20/2023	0.00	0.00	7.25	6.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/21/2023	0.00	0.00	9.63	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/22/2023	0.00	0.00	5.52	4.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/23/2023	0.00	0.00	8.23	7.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/24/2023	0.00	0.00	8.00	7.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/25/2023	0.00	0.00	6.33	5.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/26/2023	0.00	0.00	3.60	2.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/27/2023	0.00	0.00	2.30	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/28/2023	0.00	0.00	1.83	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/29/2023	0.00	0.00	1.82	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/30/2023	0.00	0.00	0.91	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
3/31/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00

**Daily Delivery of Catlin Canal Direct Flow Consumptive Use Credits
April 2023**

Date	Timpas CAA						Crooked Arroyo CAA						Transit Loss % (Calculated Weekly)	Total To Offset Account (af)	Total To CAA Upstream Consumable Account (Account 75) (af)	Total To Downstream Consumable Account (Account 53) (af)
	EXCHANGE		TO BUCKET		TO JOHN MARTIN		EXCHANGE		TO BUCKET		TO JOHN MARTIN					
	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)				
4/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/2/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/3/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/5/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/6/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/7/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/8/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/9/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/10/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/11/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/12/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/13/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/14/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/15/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/16/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/17/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/20/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/21/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/22/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/23/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/25/2023	0.00	0.00	4.33	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
4/26/2023	0.00	0.00	5.87	5.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.60%	0.00	0.00	0.00
4/27/2023	0.00	0.19	5.94	4.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.60%	0.00	0.00	0.00
4/28/2023	0.00	1.50	5.57	3.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.60%	0.00	0.00	0.00
4/29/2023	0.00	1.50	5.04	2.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.60%	0.00	0.00	0.00
4/30/2023	0.00	0.44	4.59	3.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.60%	0.00	0.00	0.00

**Daily Delivery of Catlin Canal Direct Flow Consumptive Use Credits
May 2023**

Date	Timpas CAA						Crooked Arroyo CAA						Transit Loss % (Calculated Weekly)	Total To Offset Account (af)	Total To CAA Upstream Consumable Account (Account 75) (af)	Total To Downstream Consumable Account (Account 53) (af)
	EXCHANGE		TO BUCKET		TO JOHN MARTIN		EXCHANGE		TO BUCKET		TO JOHN MARTIN					
	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)				
5/1/2023	0.00	0.00	6.26	5.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.60%	0.00	0.00	0.00
5/2/2023	0.00	0.00	5.18	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.60%	0.00	0.00	0.00
5/3/2023	0.00	0.00	1.50	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.60%	0.00	0.00	0.00
5/4/2023	0.00	0.00	2.01	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.60%	0.00	0.00	0.00
5/5/2023	0.00	0.00	2.63	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.60%	0.00	0.00	0.00
5/6/2023	0.00	0.00	3.58	2.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.60%	0.00	0.00	0.00
5/7/2023	0.00	0.00	5.49	4.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/8/2023	0.00	0.00	6.25	5.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/9/2023	0.00	0.00	8.46	7.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/10/2023	0.00	0.00	2.10	1.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/11/2023	0.00	0.00	1.02	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/12/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/13/2023	0.00	1.28	1.21	-1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/14/2023	0.00	2.20	4.06	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/15/2023	0.00	2.20	2.10	-1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/16/2023	0.00	2.20	2.02	-1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/17/2023	0.00	2.20	1.82	-1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/18/2023	0.00	2.20	1.40	-1.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/19/2023	0.00	2.20	2.30	-0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/20/2023	0.00	2.20	2.33	-0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/21/2023	0.00	2.20	2.93	-0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/22/2023	0.00	2.20	3.70	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/23/2023	0.00	2.20	3.57	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/24/2023	0.00	2.20	3.24	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/25/2023	0.00	2.20	2.05	-1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/26/2023	0.00	2.20	1.71	-1.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/27/2023	0.00	2.20	1.30	-1.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/28/2023	0.00	2.20	1.09	-2.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/29/2023	0.00	2.20	1.08	-2.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/30/2023	0.00	2.20	1.06	-2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
5/31/2023	0.00	2.20	2.04	-1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00

**Daily Delivery of Catlin Canal Direct Flow Consumptive Use Credits
June 2023**

Date	Timpas CAA						Crooked Arroyo CAA						Transit Loss % (Calculated Weekly)	Total To Offset Account (af)	Total To CAA Upstream Consumable Account (Account 75) (af)	Total To Downstream Consumable Account (Account 53) (af)	
	EXCHANGE		TO BUCKET		TO JOHN MARTIN		EXCHANGE		TO BUCKET		TO JOHN MARTIN						
	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)					
6/1/2023	0.00	2.20	2.57	-0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/2/2023	0.00	2.20	2.47	-0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/3/2023	0.00	2.20	2.36	-0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/4/2023	0.00	2.20	2.59	-0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/5/2023	0.00	2.20	2.56	-0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/6/2023	0.00	2.20	2.67	-0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/7/2023	0.00	2.20	3.28	-0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/8/2023	0.00	2.20	3.24	-0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/9/2023	0.00	2.20	3.49	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/10/2023	0.00	1.12	3.47	1.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/11/2023	0.00	1.12	3.54	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/12/2023	0.00	1.12	3.37	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/13/2023	0.00	1.12	2.96	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/14/2023	0.00	1.12	3.20	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/15/2023	0.00	4.50	3.85	-1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/16/2023	0.00	4.50	3.87	-1.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/17/2023	0.00	4.50	3.18	-2.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/18/2023	0.00	4.50	2.29	-3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/19/2023	0.00	4.50	1.40	-4.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/20/2023	0.00	4.50	1.77	-3.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.16%	0.00	0.00	0.00
6/21/2023	0.00	4.50	2.42	-3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.16%	0.00	0.00	0.00
6/22/2023	0.00	4.50	3.30	-2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.16%	0.00	0.00	0.00
6/23/2023	0.00	4.50	4.26	-1.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.16%	0.00	0.00	0.00
6/24/2023	0.00	4.50	4.58	-1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.16%	0.00	0.00	0.00
6/25/2023	0.00	4.50	4.62	-1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.16%	0.00	0.00	0.00
6/26/2023	0.00	4.50	4.44	-1.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.16%	0.00	0.00	0.00
6/27/2023	0.00	4.50	4.50	-1.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.16%	0.00	0.00	0.00
6/28/2023	0.00	0.00	5.30	4.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/29/2023	0.00	0.00	6.06	4.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00
6/30/2023	0.00	0.00	6.56	25.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00

**Daily Delivery of Catlin Canal Direct Flow Consumptive Use Credits
August 2023**

Date	Timpas CAA						Crooked Arroyo CAA						Transit Loss % (Calculated Weekly)	Total To Offset Account (af)	Total To CAA Upstream Consumable Account (Account 75) (af)	Total To Downstream Consumable Account (Account 53) (af)	Total to Multi-Purpose Account (af)	Total to CAA Multi-Purpose Account (Account 82) (af)	Total to Kansas Charge Account (Account 77) (af)
	EXCHANGE		TO BUCKET		TO JOHN MARTIN		EXCHANGE		TO BUCKET		TO JOHN MARTIN								
	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)							
8/1/2023	0.00	0.00	3.42	2.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/2/2023	0.00	0.00	3.42	2.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/3/2023	0.00	0.00	3.48	2.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/4/2023	0.00	0.80	3.66	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/5/2023	0.00	0.80	3.17	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/6/2023	0.00	0.80	3.02	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/7/2023	0.00	0.80	3.44	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/8/2023	0.00	0.80	3.69	1.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/9/2023	0.00	0.80	3.75	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/10/2023	0.00	0.80	3.77	1.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/11/2023	0.00	0.80	3.90	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/12/2023	0.00	0.00	3.11	1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/13/2023	0.00	0.00	2.89	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/14/2023	0.00	0.00	8.41	7.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/15/2023	0.00	0.00	8.60	7.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/16/2023	0.00	0.00	4.05	2.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/17/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52%	0.00	0.00	0.00	0.00	0.00
8/20/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52%	0.00	0.00	0.00	0.00	0.00
8/21/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52%	0.00	0.00	0.00	0.00	0.00
8/22/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52%	0.00	0.00	0.00	0.00	0.00
8/23/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52%	0.00	0.00	0.00	0.00	0.00
8/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52%	0.00	0.00	0.00	0.00	0.00
8/25/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52%	0.00	0.00	0.00	0.00	0.00
8/26/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52%	0.00	0.00	0.00	0.00	0.00
8/27/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00
8/28/2023	0.00	0.00	3.55	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00
8/29/2023	0.00	0.00	4.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00
8/30/2023	0.00	0.00	2.96	2.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00
8/31/2023	0.00	0.00	2.97	5.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00

**Daily Delivery of Catlin Canal Direct Flow Consumptive Use Credits
November 2023**

Date	Timpas CAA						Crooked Arroyo CAA						Transit Loss % (Calculated Weekly)	Total To Offset Account (af)	Total To CAA Upstream Consumable Account (Account 75) (af)	Total To Downstream Consumable Account (Account 53) (af)	Total to Multi-Purpose Account	Total to CAA Multi-Purpose Account	Total to Kansas Charge Account	
	EXCHANGE		TO BUCKET		TO JOHN MARTIN		EXCHANGE		TO BUCKET		TO JOHN MARTIN									
	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)	At Aug Stat. (cfs)	At Confluence (cfs)								
11/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11/2/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/3/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/4/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/5/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/6/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/7/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/8/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/9/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/10/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/11/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/12/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/13/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/14/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.78%	0.00	0.00	0.00	0.00	0.00	0.00
11/15/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
11/16/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
11/17/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
11/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
11/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
11/20/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
11/21/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
11/22/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
11/23/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
11/24/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
11/25/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
11/26/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
11/27/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
11/28/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
11/29/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
11/30/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00

Enclosure 2

CAA SWSP Approval



July 14, 2023

Daniel Tucker, P.E.
Catlin Augmentation Association
205 S. Main St.
Fowler, CO 81039

**RE: Catlin Augmentation Association Substitute Water Supply Plan
Otero, Bent and Pueblo Counties
Water Division 2, Water Districts 14, 17 and 67
SWSP ID 9334, WDID 1707030
Case No. 21CW3072**

Approval Period: May 1, 2023 through April 30, 2024
Contact information for Mr. Tucker: 719-826-2597; dan@agrigo.net

Dear Mr. Tucker:

We have received your letter dated February 7, 2023 requesting a substitute water supply plan (SWSP) pursuant to §37-92-308(4), C.R.S., on behalf of the Catlin Augmentation Association (“CAA” or “Applicant”). Notice was sent to all opposers in Case No. 21CW3072 on February 7, 2023. No comments were received during the statutory 35-day comment period. The statutory \$300 filing fee has been received and given receipt no. 10027091. Modifications to the requested SWSP were submitted via email on June 22, 2023. Additional notice was not required since the modifications did not expand the use of any of the structures, but instead decreased the use of the wells.

Pursuant to section 37-92-308(4)(a)(IV)(A), C.R.S., the State Engineer, after consideration of the comments received, has determined that the operation and administration of this SWSP will replace all out-of-priority depletions in time, location, and amount and will otherwise prevent injury to other water rights and decreed conditional water rights, including water quality and continuity to meet the requirements of use to which the senior appropriation has normally been put, pursuant to section 37-80-120(3), and will not impair compliance with any interstate compacts. **This is the second year of approval of this SWSP.**

SWSP OPERATION

The Catlin Augmentation Association, Inc., (“CAA”) is a group of Catlin Canal Company shareholders whose Catlin Canal water rights were historically used for irrigation in Otero County. The originally decreed uses were changed in Case No. 12CW94 to add various uses including augmentation and replacement uses. The application in Case No. 21CW3072 was submitted to the Court in order to gain approval of additional changes of water rights to allow CAA to utilize recharge facilities, store in additional storage facilities, and to use the changed rights by exchange.



This SWSP request includes only a portion of the claims made in the court application. CAA is requesting approval of temporary changes for the Catlin Canal shares changed in Case No. 12CW94, called the “Catlin A” shares, to enable these shares as well as leased water to be stored via exchanges to Pueblo Reservoir or directly to John Martin Reservoir, to enable these waters to be delivered to recharge facilities under the Catlin Canal, and for delivery to the Excelsior Ditch to recharge and to AGRA’s Rocky Ford Highline (“AGRA’s RFHL”) facilities for recharge.

DEPLETIONS

Existing wells belonging to CAA members and new irrigation wells which are not yet constructed will be under this SWSP approval period. Wells to be augmented during the SWSP plan year include:

Table 1							
Catlin Augmentation Association -- Post 85 Wells							
2023 Projected Pumping							
Updated 6/22/23							
CAA ID	SEO WDID	CAA MEMBER	CAA FARM UNIT	UTM X	UTM Y	SWSP PUMPING (AC-FT)	SWSP PDF
301 ^	1705344 A	GARDNER FARMS	360	624025	4206468	0	0.813
303 ^	1705449 A	GARDNER FARMS	350	622830	4206816	0	0.816
305 ^	1705493 A	GARDNER FARMS	330	619621	4207515	0	0.785
901	1705809 A	HIRAKATA FARMS	950	615422	4206026	140	1
1001 **	1705323 A	MORELAND, JAMES	1010	610045	4214073		
1301	1705281 B	GMG, LP. (GRIMSLEY, GREG)	1310	607061	4215200	200	1
1403	1705285 A	KNAPP FARMS	1410	609012	4214683	85	0.917
1405	1705290 A	KNAPP FARMS	1440	609921	4213726	50	1
1407	1705291 A	KNAPP FARMS	1440	610427	4213695	50	1
1409	1705292 A	KNAPP FARMS	1430	609339	4213478	65	0.889
2001 ^	1705589 A	PROCTOR FARMS	2010	612400	4202570	0	1
2003	1705596 B	PROCTOR FARMS	2010	612919	4203035	118.6	1
2601 ^	1705228 A	GARDNER FARMS	2610	601238	4218659	0	0.85
2603 ^	1705233 A	GARDNER FARMS	2610	598645	4219166	0	1
2605 ^	1705234 A	GARDNER FARMS	2610	598612	4219213	0	1
2607 ^	1705235 A	GARDNER FARMS	2610	599006	4219785	0	0.85
2609 ^	1705236 A	GARDNER FARMS	2610	599928	4219535	0	0.85
2611	1705239 A	GARDNER FARMS	2610	599705	4220022	100	0.84
NA	1705238 A	GARDNER FARMS (bank)	2610	599409	4219457	Bank	
2701 **	1705297 A	McELROY, LARRY or NANCY	2710	620721	4209095		
3301 ^	1705544 A	PROCTOR FARMS	3310	609980	4212659	0	0.68
902	1706637 A	HIRAKATA FARMS (waiting for well construction report and pump installation report to be submitted)	960	614109	4204690	40	0.831
306	1706622 A (NEW)	GARDNER FARMS	320	614765	4205511	0	0.823
308	1706624 A (NEW)	GARDNER FARMS	310	613942	4209909	0	0.815
1602	1706640 A (NEW)	GARDNER FARMS	1650, 330	619635	4206984	0	0.786
2502	1706641 A (NEW)	SCHLEGEL, MARVIN	2510	619558	4205574	0	0.85
2602	1706642 A (NEW)	GARDNER FARMS (application was submitted on 5/25/23)	2610	599286	4220308	100	0.85
904	1706638 A (NEW)	HIRAKATA FARMS	910	615671	4209480	5	0.91
906	1706639 A (NEW)	HIRAKATA FARMS	920	616484	4208320	5	0.76

** Not Participating in 2023 SWSP

Total	958.6
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^ Not Participating in 2023 SWSP - Participating in AGRA's Rule 14 Plan for 2023

Total pumping for the SWSP approval period is estimated to be **958.6 acre-feet**. Projected pumping by farm and by structure is presented in Tables 6 and 7 below:

Table 6 - Updated 6/22/23
 CAA Post85 Accounting
 Projected Pumping by Farm
 (acre-feet)

Farm	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
Farm 300	17.96	28.60	33.64	43.20	29.68	16.70	12.02	1.32	0.00	0.00	0.00	16.88	200.00
Farm 900	17.06	27.17	31.96	41.04	28.20	15.87	11.42	1.25	0.00	0.00	0.00	16.04	190.00
Farm 1300	17.96	28.60	33.64	43.20	29.68	16.70	12.02	1.32	0.00	0.00	0.00	16.88	200.00
Farm 1400	22.45	35.75	42.05	54.00	37.10	20.88	15.03	1.65	0.00	0.00	0.00	21.10	250.00
Farm 2000	10.65	16.96	19.95	25.62	17.60	9.90	7.13	0.78	0.00	0.00	0.00	10.01	118.60
Farm 2500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Farm 2700	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plan Total	86.08	137.08	161.24	207.06	142.26	80.04	57.61	6.33	0.00	0.00	0.00	80.91	958.60

Table 7 - Updated 6/22/23
 CAA Post85 Accounting
 Projected Pumping for Post-85 Wells
 (acre-feet)
 Plan Year: 2023

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1706637.1	3.6	5.7	6.7	8.6	5.9	3.3	2.4	0.3	0.0	0.0	0.0	3.4	40.0
1706638.1	0.4	0.7	0.8	1.1	0.7	0.4	0.3	0.0	0.0	0.0	0.0	0.4	5.0
1706639.1	0.4	0.7	0.8	1.1	0.7	0.4	0.3	0.0	0.0	0.0	0.0	0.4	5.0
1706640.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1706641.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1706642.1	9.0	14.3	16.8	21.6	14.8	8.4	6.0	0.7	0.0	0.0	0.0	8.4	100.0
Total	86.1	137.1	161.2	207.1	142.3	80.0	57.6	6.3	0.0	0.0	0.0	80.9	958.6

Note: .1 decimals indicate A meters, .2 decimals indicate B meters

Wellhead depletions were determined in accordance with the Colorado-Kansas decree Appendix A.3 *Agreement Re Substitute Water Supply Plans and Colorado Water Court Decrees for Post-1985 Depletions*, using the method described in LAWMA’s decree 02CW181. The presumptive depletion factors (“PDFs”) used in that case were:

- Flood Irrigation, with Supplemental Wells: not defined
- Flood Irrigation, well only: 68%
- Sprinkler Irrigation: 85%
- Sprinkler Irrigation (LEPA System): 95%
- Drip Irrigation: 100%

Wells that are used in a combination system (part sprinkler, part drip or part sprinkler, part flood) were calculated on a weighted average determined by the number of acres irrigated with each system.

Lagged depletions were calculated using unit response functions (“URFs”) which are given in the attached Table J-1. Unlagged well depletions for the SWSP approval period are estimated at 904.9 acre-feet (as seen in Table 8) and lagged depletions total 349.3 acre-feet (as seen in Table 9B).

Table 8 - Updated 6/22/23
CAA Post85 Accounting
Projected Wellhead Depletions for Post-85 Wells
 (acre-feet)
 Plan Year: 2023

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1705239.1	7.5	12.0	14.1	18.1	12.5	7.0	5.0	0.6	0.0	0.0	0.0	7.1	84.0
1705281.2	18.0	28.6	33.6	43.2	29.7	16.7	12.0	1.3	0.0	0.0	0.0	16.9	200.0
1705285.1	7.0	11.1	13.1	16.8	11.6	6.5	4.7	0.5	0.0	0.0	0.0	6.6	77.9
1705290.1	4.5	7.2	8.4	10.8	7.4	4.2	3.0	0.3	0.0	0.0	0.0	4.2	50.0
1705291.1	4.5	7.2	8.4	10.8	7.4	4.2	3.0	0.3	0.0	0.0	0.0	4.2	50.0
1705292.1	5.2	8.3	9.7	12.5	8.6	4.8	3.5	0.4	0.0	0.0	0.0	4.9	57.8
1705596.2	10.6	17.0	19.9	25.6	17.6	9.9	7.1	0.8	0.0	0.0	0.0	10.0	118.6
1705809.1	12.6	20.0	23.5	30.2	20.8	11.7	8.4	0.9	0.0	0.0	0.0	11.8	140.0
1706637.1	3.0	4.8	5.6	7.2	4.9	2.8	2.0	0.2	0.0	0.0	0.0	2.8	33.2
1706638.1	0.4	0.7	0.8	1.0	0.7	0.4	0.3	0.0	0.0	0.0	0.0	0.4	4.5
1706639.1	0.3	0.5	0.6	0.8	0.6	0.3	0.2	0.0	0.0	0.0	0.0	0.3	3.8
1706642.1	7.6	12.2	14.3	18.4	12.6	7.1	5.1	0.6	0.0	0.0	0.0	7.2	85.0
Total	81.3	129.4	152.2	195.5	134.3	75.6	54.4	6.0	0.0	0.0	0.0	76.4	904.9

Note: .1 decimals indicate A meters, .2 decimals indicate B meters

Return flow obligations (“RFO”) (historical lagged depletions) still owing from previous pumping under Case No. 12CW94 account for a total of 349.3 acre-feet as indicated in Table 9B below.

Table 9B
CAA Post85 Accounting
Actual Impact from Pumping Post-85 Wells - Historic Pumping
 (acre-feet)

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
2023	-24.0	-21.0	-18.5	-16.5	-14.6	-13.2	-12.0	-11.2	-10.4	-9.9	-9.4	-8.9	-169.5
2024	-8.4	-8.0	-7.6	-7.0	-6.6	-6.3	-6.0	-5.7	-5.5	-5.3	-5.1	-4.9	-76.4
2025	-4.8	-4.6	-4.5	-4.3	-4.2	-4.0	-3.9	-3.7	-3.5	-3.4	-3.2	-3.1	-47.2
2026	-3.0	-3.0	-2.9	-2.7	-2.5	-2.3	-2.2	-2.1	-2.0	-2.0	-1.9	-1.9	-28.4
2027	-1.8	-1.8	-1.7	-1.7	-1.5	-1.4	-1.3	-1.2	-1.2	-1.1	-1.0	-1.0	-16.8
2028	-0.9	-0.9	-0.7	-0.7	-0.6	-0.6	-0.5	-0.5	-0.5	-0.5	-0.5	-0.4	-7.2
2029	-0.4	-0.4	-0.4	-0.4	-0.4	-0.3	-0.3	0.0	0.0	0.0	0.0	0.0	-2.9
2030	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4
2031	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
2032	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				0.0
Total	-43.5	-39.8	-36.4	-33.3	-30.6	-28.1	-26.2	-24.4	-23.2	-22.1	-21.2	-20.4	-349.3

Other depletions include transit losses from exchange, estimated for a total of **8.2 acre-feet**, and surface runoff which accounts for **221.1 acre-feet**. The total estimated depletions to the river for the SWSP approval period are equal to **1434.4 acre-feet**.

Carlisle Augmentation Association - River Accounting
Table 2A - Plan Year - Total Summary Report
Plan Year 2023
(acre-feet)

Note: Totals may vary slightly due to rounding.

		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
Dpin														
12CW94 RFO Plan Year	2023	-18.2	-25.4	-34.2	-40.5	-43.0	-41.9	-40.5	-37.5	-29.9	-23.5	-18.9	-13.9	-367.4
12CW94 RFO Previous Years	Pre-2023	-17.0	-15.4	-13.9	-12.8	-11.9	-11.0	-10.3	-9.7	-9.1	-8.6	-8.1	-6.9	-134.8
12CW94 Surface Runoff	2023	-30.7	-26.0	-34.5	-33.1	-29.1	-22.0	-24.2	-16.4	0.0	0.0	0.0	-5.1	-221.1
12CW94 Transit Loss	2023	-0.9	-1.1	-1.5	-1.4	-1.2	-0.8	-0.6	-0.4	0.0	0.0	0.0	-0.4	-8.2
POST85 Wells	Pre-2023	-25.0	-21.4	-18.8	-16.7	-14.8	-13.3	-12.1	-11.2	-10.5	-9.9	-9.4	-8.9	-172.2
POST85 Wells	2023	-11.2	-31.4	-49.3	-68.0	-75.6	-67.9	-58.4	-46.6	-35.5	-29.1	-25.0	-32.5	-530.5
River Transit Loss		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Total		-103.0	-120.7	-152.2	-172.5	-175.6	-156.8	-146.2	-121.9	-85.1	-71.2	-61.4	-67.7	-1434.4
Acc														
12CW94 Aug Stn Del	2023	69.8	85.2	119.4	113.8	95.4	61.6	49.2	34.1	0.0	0.0	0.0	29.2	657.7
FryArk Return Flows	Pre-2023	6.2	5.4	4.7	3.8	3.2	2.9	2.6	2.3	2.1	2.0	1.8	1.7	38.7
FryArk Return Flows	2023	3.1	11.8	12.0	11.6	10.2	7.3	6.0	4.6	3.6	3.0	2.5	2.1	77.9
Recharge - Catlin Ponds	Pre-2023	13.2	12.5	11.8	11.2	10.5	9.9	9.4	8.8	8.3	7.8	7.4	7.0	118.0
Recharge - Catlin Ponds	2023	1.4	2.5	4.7	7.9	12.1	16.9	21.6	25.4	28.1	29.5	29.7	29.3	209.0
Total		93.8	117.4	152.7	148.2	131.5	98.7	88.8	75.3	42.2	42.2	41.3	69.1	1101.3
Total Net Impact														
Net Impact to Reach 11		-9.5	-3.5	0.1	-24.6	-44.4	-58.4	-57.7	-46.8	-43.0	-29.1	-20.3	1.2	-336.2
Net Impact -- PFA (SWSP)		-9.5	-3.5	0.1	-24.6	-44.4	-58.4	-57.7	-46.8	-43.0	-29.1	-20.3	1.2	-336.2
Delivery to AGRA R14		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delivery to John Martin Res		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Exchange to Recharge		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Exchange to Storage		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total		-9.5	-3.5	0.1	-24.6	-44.4	-58.4	-57.7	-46.8	-43.0	-29.1	-20.3	1.2	-336.2

Catlin Augmentation Association - River Accounting
Table 2B - Year 2 - Total Summary Report
Plan Year 2023
(acre-feet)

Note: Totals may vary slightly due to rounding.

Year 2		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
Dpin														
12CW94 RFO Plan Year	2023	-13.7	-12.2	-11.6	-11.1	-10.5	-9.7	-8.9	-8.2	-7.5	-6.9	-6.3	-2.7	-109.2
12CW94 RFO Previous Years	Pre-2023	-7.3	-6.9	-6.5	-6.2	-5.9	-5.6	-5.3	-5.0	-4.7	-4.4	-4.2	-1.8	-63.7
12CW94 Surface Runoff	2023	-2.5	-3.6	-8.0	-5.5	-4.6	-2.4	-1.4	-2.0	0.0	0.0	0.0	0.0	-30.0
12CW94 Transit Loss	2023	-0.3	-0.4	-0.9	-0.6	-0.5	-0.3	-0.2	-0.2	0.0	0.0	0.0	0.0	-3.4
POST85 Wells	Pre-2023	-8.5	-8.0	-7.6	-7.0	-6.6	-6.3	-6.0	-5.7	-5.5	-5.3	-5.1	-4.9	-76.5
POST85 Wells	2023	-32.4	-24.1	-20.5	-17.8	-15.6	-13.5	-12.1	-11.0	-10.2	-9.7	-9.2	-8.7	-184.8
River Transit Loss		0.0	-0.2	-0.4	-0.2	-0.2	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	-1.2
Total		-64.7	-55.3	-55.5	-48.5	-43.9	-37.9	-33.9	-32.3	-27.9	-26.2	-24.8	-18.1	-468.9
Acc														
12CW94 Aug Stn Del	2023	21.6	32.7	73.9	50.9	42.0	22.5	13.1	18.1	0.0	0.0	0.0	0.0	274.8
FryArk Return Flows	Pre-2023	1.6	1.5	1.4	1.2	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8	13.0
FryArk Return Flows	2023	4.8	13.3	8.0	5.4	4.3	3.5	2.9	2.5	2.1	1.8	1.6	1.4	51.6
Recharge - Catlin Ponds	Pre-2023	6.6	6.2	5.8	5.5	5.2	4.9	4.6	4.3	4.1	3.8	3.6	3.4	57.8
Recharge - Catlin Ponds	2023	28.4	27.4	26.3	25.2	24.0	22.9	21.9	20.9	19.9	19.0	18.2	17.4	271.5
Total		62.9	81.1	115.4	88.1	76.5	54.8	43.4	46.7	27.0	25.5	24.2	22.9	668.6
Total Net Impact														
Net Impact to Reach 11		-1.9	25.7	59.8	39.6	32.5	16.8	9.5	14.4	-1.0	-0.8	-0.7	4.8	198.6
Net Impact -- PFA (SWSP)		-1.9	25.7	59.8	39.6	32.5	16.8	9.5	14.4	-1.0	-0.8	-0.7	4.8	198.6

REPLACEMENTS

The proposed sources of replacement water for this approval period include:

1. **432.34 Catlin A shares:** these shares were evaluated on the basis of a “dry year” yield, estimated to be 2.043 acre-feet per share.

Table 1. Summary of CAA SWSP Operations for 2023 – 2024 – Updated 6/26/23

Total delivery of CAA shares: A-F	1606.1
Total Delivery to Augmentation Station Headgate	677.3
Total Delivery to Recharge Ponds, A-F	928.8
Groundwater Return Flow Replacement: A-F	761.2
Surface Runoff Return Flow Replacement: A-F	243.3
A&R Credit thru the Aug. Station: A-F	155.7
Aug. Station to Arkansas River Transit Loss: A-F	8.5
Augmentation & Replacement Credit to the River: A-F	172.9

2. **Fryingpan-Arkansas Project return flows:** this water is proposed to be purchased in 2023, subject to permission from Southeastern and Conditions of Approval Nos. 11, 12 and 13. The estimated allocation is approximately 49 acre-feet in 2023 and 19.5 acre-feet in 2024.
3. **418.48 acre-feet of water** stored in Pueblo Reservoir in member accounts.
4. **250 acre-feet of Twin Lakes water** leased from Upper Arkansas Water Conservancy District and stored in Pueblo Reservoir.
5. **Water** in storage in Lake Meredith from sources listed in this section of the approval letter stored by exchange.
6. **250 acre-feet of recharged Catlin Augmentation shares** from the following recharge sites: Knapp, Schweizer, Excelsior and Rocky Ford Highline (“RFHL”) Ponds. The Knapp recharge pond operated under the Rule 14 plan for the Colorado Water Protective and Development Association (“CWPDA”), now AGRA.

Administration of the recharge ponds will be as follows:

- a. Water will be diverted, measured, and delivered to the canal lateral.
- b. Net recharge will be calculated as the change in storage plus measured inflow minus net evaporation minus outflow.
- c. Inflow to the ponds and canals will be measured and recorded daily; there is no anticipated outflow from the ponds.
- d. Evaporation will only be charged when there is visible water.
- e. Recharge to the Knapp and RFHL ponds will be calculated according to the two tables below:

Catlin Augmentation Association Recharge						
Evaporation - Precipitation + Evaporative Offset						
Ac-Ft/ Ac.	Jan	Feb	Mar	Apr	May	June
Monthly	1.81	2.49	4.12	6.02	7.64	8.87
Daily	0.058	0.089	0.133	0.201	0.246	0.296
	Jul	Aug	Sep	Oct	Nov	Dec
Monthly	8.65	7.53	5.57	3.97	2.39	1.77
Daily	0.279	0.243	0.186	0.128	0.080	0.057

Net recharge will be reduced by the amount of water lost to evapotranspiration by vegetation immediately adjacent to the recharge facilities.

CAA Recharge Ponds						
Vegetation Adjacent to Ponds, Evapotranspiration (acre-inches/acre)						
Period	Jan	Feb	Mar	Apr	May	June
Monthly	Dormant		0.45	6.26	9.40	10.92
Daily			0.01	0.20	0.30	0.36
	Jul	Aug	Sep	Oct	Nov	Dec
Monthly	8.10	3.20	1.17	0.39	0.04	Dormant
Daily	0.26	0.10	0.04	0.01	0.001	

- f. URFs developed for the Lower Arkansas Valley Water Conservation District Pilot Project and the Interruptible Water Supply Agreement programs for the Schweitzer recharge ponds will be used to calculate the recharge accretions for that pond.
- g. The Excelsior Ponds will use the terms and conditions of the decree entered in 04CW62 for the calculation of the recharge associated with those ponds.

METHOD OF OPERATION

These temporary changes of water rights approved under this SWSP would be delivered to storage (changed Catlin A shares and leased waters) in Pueblo Reservoir by exchange, or directly to John

Martin Reservoir, delivered to recharge facilities under the Catlin Canal, or delivered to Excelsior Ditch and/or AGRA's RFHL facilities for recharge.

CONDITIONS OF APPROVAL

This SWSP is hereby approved pursuant to §37-92-308(4), C.R.S., subject to the conditions stated below:

1. This SWSP shall be valid for the period of May 1, 2023 through April 30, 2024, unless otherwise revoked or superseded by decree. Additional SWSPs are required until a court decreed plan for augmentation and change of water right is obtained for the proposed uses. Should an additional SWSP be requested, the provisions of § 37-92-308(4)(b), C.R.S., shall apply. The statutory fee of \$300 will be required pursuant to § 37-92-308(8), C.R.S. Any request for an additional SWSP must be submitted to this office no later than **February 1, 2024**.
2. Approval of this SWSP is for the purposes stated herein. Additional uses for the water that is the subject of this SWSP will be allowed only if a new SWSP is approved for those additional wells/uses and such additional uses are identified in case no. 21CW3072.
3. Changes to water rights will be limited to the ditch and the shares identified in this approval. Changes to include additional shares for the ditch, or changes to include additional ditches will be allowed only if a new SWSP is approved for those additional shares/ditches and such additional water shares/ditches are identified in case no. 21CW3072.
4. Approval of this SWSP does not in any way eliminate the obligation of the Applicant to comply with any by-laws that restrict use of any of the shares identified in this SWSP. The use of any changed shares in this SWSP must be consistent with any applicable ditch and/or reservoir company by-laws.
5. The Applicant must replace all out-of-priority depletions resulting from operation under this SWSP, including those lagged depletions that occur to the stream after the expiration date of this SWSP.
6. The Applicant must replace all return flows resulting from operations under this SWSP, including those return flows that are owed to the stream after the expiration date of this SWSP. Such return flows must be included in the Applicant's accounting and projection.
7. Non-compliance with the terms of approval of this SWSP may subject the Applicant or their successors to orders to comply under sections 37-92-501 and 37-92-502, C.R.S., and potential court action under section 37-92-503, C.R.S.

8. The Applicant shall provide adequate accounting (including, but not limited to diversions, depletions, and river calls) on a monthly basis. The accounting must be submitted to the Division Engineer via the online submittal tool. Submission access was established under the previous SWSP approval, please contact Kassidy Davis at kassidy.davis@state.co.us with any questions related to accounting submission under this SWSP approval. Accounting must be submitted within 10 days after the end of the month for which the accounting applies. Accounting and reporting procedures are subject to approval and modification by the Division Engineer.
9. When applicable, Applicant will submit augmentation replacement requests via the "Arkansas Basin Water Operations Dashboard" (<http://div2waterops.com/AnonymousHome>). To set up an account on the "Arkansas Basin Water Operations Dashboard", email the River and Reservoir Operations Coordinator (lonnie.spady@state.co.us) with; user name, user email address, user phone number, and indicate SWSP name (Or SWSP group WDID). Once the applicant's request is made through the "Arkansas Basin Water Operations Dashboard", the Division Engineer's Office will review and either approve or deny the request. This decision will be emailed to applicants through the "Dashboard" to document this transaction.
10. For recharge ponds the following conditions apply:
 - a. The amount of water recharged to the alluvial aquifer is determined by measuring the amount of water delivered to the recharge structure and subtracting:
 - i. the amount of water discharged from the recharge structure (if any),
 - ii. the amount of water lost to evaporation,
 - iii. the amount of water lost to consumptive use due to vegetation located within the recharge structure, and
 - iv. the amount of water retained in the recharge structure that has not yet percolated into the ground.
 - b. CAA shall report any observable increase in losses at high groundwater table locations down-gradient of the recharge ponds and provide the Division Engineer with an estimate of loss amounts.
 - c. Recharge accounting shall be performed using daily values for ditch deliveries, pond content and overflow from the ponds.
 - d. Exchange and re-diversion or storage of excess lagged accretions (i.e., if more water is recharged to the aquifer than the amount of deep percolation historical irrigation return flows owed) will not be allowed under this SWSP.
11. The recharge facilities included in this SWSP may be subject to the *Division Two - Arkansas River Administrative Protocol and Functional Standards for Recharge Operations, Facilities, and Associated Measuring Devices* (Protocol). The Division Engineer will work with the applicant to review the facilities and their adherence to this Protocol.
12. Unit Response Functions for the proposed recharge pits given in the documentation of the LAVWCD Pilot Project, the Catlin Canal IWSA or Case No. 04CW62.
13. Augmentation credits and return flow obligations associated with the Catlin Canal shares will be determined at the augmentation stations as estimated in Table 14. The net credit available will be determined after deducting appropriate losses to the point of delivery.

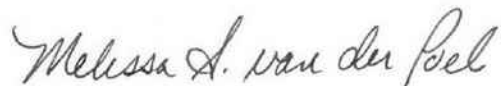
14. Delivery of water from the changed shares through any drain or tributary will be periodically verified by hydrographic measurement to review assessed transit losses and ensure delivery to the point of depletion replacement. Water introduced into a drain or tributary that causes the flows to increase beyond the normal carrying capacity of the drain or tributary in a manner that causes flooding or damage to adjacent property or structures may be cause for reduction or cessation of deliveries.
15. Transit losses on all deliveries of CAA replacement water shall be as determined by the Division Engineer or her delegated representative. All exchange operations are as approved administratively by the Division Engineer and this administrative exchange shall be considered junior to all decreed exchanges in the relevant reaches and equal to all other administratively approved exchanges.
16. This SWSP assumes that return flows from deliveries of Fryingpan-Arkansas Project (Fry-Ark) water will be available in amount, time and location to replace a portion of the out-of-priority depletions to senior surface water rights in Colorado and thereby prevent some depletions to usable stateline flow. The State and Division Engineers have determined that the estimates of Fry-Ark return flow to be used in this Plan are reasonable. If, however, the Fry-Ark return flows prove to be insufficient in amount, time or location to replace out-of-priority depletions to senior surface water rights in Colorado, CAA will be required to either: 1) curtail pumping by its member wells or 2) obtain additional sources of replacement water as the State and Division Engineers may direct. CAA shall confer with the Division Engineer as requested to determine the amount, time and location of Fry-Ark return flows.
17. Approval of this SWSP does not give CAA any rights of use of Fryingpan-Arkansas Project structures, or any rights of ownership or rights to purchase or receive an allocation of Project water or return flows therefrom and will not alter any existing rights CAA may have.
18. CAA's purchase and use of Project water and of return flows therefrom shall be consistent with the Allocation Principles of the Southeastern Colorado Water Conservancy District (as they may from time to time be amended), and the lawful rules, regulations, policies, procedures, contracts, charges and terms as may be lawfully determined from time to time by Southeastern, in its sole discretion. Project water or return flows therefrom may be used as a supplemental supply in CAA's SWSP only if, and to the extent, such water is allocated by Southeastern to CAA, and is purchased from Southeastern.
19. For the purposes of this SWSP, approval of the Applicant's methodology, claimed water requirements, consumptive use and recharge calculations and associated uses are being accepted. However, as Division 2 staff continue to assess the uses and operations, these values may change.
20. **All dry up parcels will be subject to the dry up provisions in 12CW94 paragraph 14.22.** Any disputed dry up will not be accepted until it is resolved per 12CW94.
21. The State Engineer may revoke this SWSP or add additional restrictions to its operation if at any time the State Engineer determines that injury to other vested water rights has occurred or will occur as a result of the operation of this SWSP. Should this SWSP expire

without renewal or be revoked prior to adjudication of a permanent plan for augmentation, all use of water under this SWSP must cease immediately.

22. The decision of the State Engineer shall have no precedential or evidentiary force, shall not create any presumptions, shift the burden of proof, or serve as a defense in the pending water court case or any other legal action that may be initiated concerning this SWSP. This decision shall not bind the State Engineer to act in a similar manner in any other applications involving other SWSPs or in any proposed renewal of this SWSP, and shall not imply concurrence with any findings of fact or conclusions of law contained herein, or with the engineering methodologies used by the Applicant. Any appeal of a decision made by the State Engineer concerning an SWSP pursuant to §37-92-308(4), C.R.S., shall be to the Division 2 Water Judge within thirty days of the date of this decision and shall be consolidated with the pending court application in Case No. 21CW3072.

Should you have any questions, please contact Melissa van der Poel in Denver, or Bethany Arnold, Assistant Division Engineer, in Pueblo, at (719) 565-8686.

Sincerely,



Melissa A. van der Poel, P.E.
For Jeff Deatherage, P.E.
Water Supply Chief

Attachments: Operating Procedures for Administration of Parcels Claimed for Augmentation Credit

cc: Division 2 SWSP Review team
Jacob Olson, North Regional Team Leader
Steve Stratman, Water Commissioner District 14
Lonnie Spady, River Operations Coordinator
Jeannette Myers, Water Commissioner District 17
Brandy Cole, East Regional Team Leader
Opposers to Case No. 21CW3072

Exhibit A
to
Appendix B.3

Operating Procedures for Administration of Parcels Claimed for Augmentation Credit

Plans Approved by the Colorado State Engineer
Pursuant to the Amended Rules and Regulations Governing the
Diversion and Use of Tributary Ground Water in the Arkansas
River Basin, Colorado

September 2005



I. Selection and Approval of Parcels for Augmentation Credit

A. Colorado's Evaluation of Acreage

The Colorado Division of Water Resources (CDWR) has conducted several studies of irrigated lands in the Lower Arkansas Basin over a period of several decades. During the Kansas v. Colorado court case George Moravec developed mapping of irrigated acreage and assignments to ditch service areas using 1985 aerial photos for the area between Pueblo and the Kansas-Colorado stateline. Similarly, Spronk Water Engineers evaluated 1980 aerial photos for the State of Kansas and developed mapping of irrigated lands in the same area. Experts also reviewed historic aerial photos and data to assess changes in acreage during the period just prior to the Arkansas River Compact through 1980.

In 1998 and again in 2002 and 2003, the CDWR conducted studies of irrigated lands in the same areas using satellite imagery to classify irrigated and non-irrigated lands. Additionally, the CDWR has developed an ongoing data collection system to determine the lands irrigated by wells as a sole source of supply or as a supplemental source to surface water by conducting farm verification interviews each winter with farm operators in the lower basin. The work done by Colorado to identify and map irrigated lands has been critiqued by Kansas and by Colorado water right owners and ditch companies and corrected as applicable.

The Colorado State Engineer believes that the result of these studies is a comprehensive set of mapping that should be relied upon for evaluating claims for augmentation credit derived from the removal of pre-compact water rights for replacement of stream depletions caused by post-compact well pumping.

B. Nomination of Parcels for Dry-up Credits in Replacement Plans

Beginning with the 2006-07 Replacement Plan year, plan proponents will need to select parcels for dry-up credit utilizing the mapping developed by the CDWR for any dry-up credit to be claimed under the provisions of Rule 6 of the Amended Rules and Regulations Governing the Diversion and Use of Tributary Ground Water in the Arkansas River Basin, Colorado (Amended Use Rules). The CDWR mapping will include areas shown as irrigated in either the 1985 aerial photos evaluated by Colorado or the 1980 aerial photos evaluated by Kansas. Parcels identified within this mapped area that have not had shares moved to different locations will be eligible for dry-up crediting under Rule 6 provisions.

Mapped parcels shall be provided in GIS format compatible with the ArcView software used by the CDWR unless provisions are made to coordinate mapping with the Division 2 Office in Pueblo. Mapping for nominated parcels must be provided with the March 1, 2006 Replacement Plan submittals in order to ensure timely approval of replacement sources for the 2006-07 Plan Year and by March 1st of each succeeding plan year.

Example of CDWR Mapping



Plan proponents seeking to nominate any lands they believe were historically irrigated that do not lie within the mapped irrigated lands developed by the CDWR must seek a change of water right for the associated shares in Division 2 Water Court prior to approval in any plan approved pursuant to the Amended Use Rules.

C. Minimum Standards for Parcel Selection

Dry-up parcels must be at least five acres unless they comprise all of an existing DWR parcel that is already less than five acres. Parcels that represent a portion of an existing field can only be split with the direction of historic irrigation unless a means of physical separation is approved by the Division Engineer. A physical separation must exist between any irrigated portion of a parcel and the dry-up portion unless prior approval by the Division Engineer's Office is received. Waiver of the physical separation criteria will only occur for areas adjacent to sprinkler or drip systems and not for flood and furrow irrigation. For dry-up fields left fallow or with a dryland cover crop without permanent root system (that is, not alfalfa or pasture grass

for example), the separation can be a ditch or tilled strip at least ten feet in width that prevents irrigation application from reaching the dry-up parcel. For partial fields containing deep-rooted crops such as alfalfa or pasture grass a deep tilled separation of at least 25 feet must be maintained along with any ditches necessary to ensure no irrigation application to the dry-up portion. For any dry-up parcel that is planted with a dryland crop (haygrazer, milo, millet, etc.), the crop should either be drilled at an angle to normal irrigation direction or a tilled strip maintained at the top of the field that clearly separates the crop from any possible irrigation source (preferably both).

Example of Physical Separation Between Irrigated Parcel and Dry-up Parcel



Example of Tilled Strip at Dry-up Parcel Header for Dryland Crop



D. Dry-up Parcels Irrigated by Sole Source Wells

For any parcel from which surface water has been removed and claimed for augmentation credit, but which will be irrigated by a sole source well (e.g. drip systems or sprinkler systems or sole source flood), the following information must be provided with each March 1st Plan submittal:

1. Well ID Number(s) serving the parcel
2. Method of irrigation (Drip, Sprinkler, Flood, Etc.)
3. Description of how parcel will be separated from surface water irrigation and storm runoff from areas adjacent to the parcel
 - a) Removal of header ditch
 - b) Plug in header ditch or in feeder from surface water lateral
 - c) Other method (describe)

E. Parcels Formerly Containing Alfalfa or Alfalfa-Grass Stands

Beginning with the 2006-07 Replacement Plan Year parcels containing alfalfa or mixed alfalfa stands must be deep tilled or chemically killed by no later than April 1st of each Plan Year unless the CDWR field staff have inspected the parcel and the Division Engineer has agreed that the alfalfa stand will not produce any significant growth due to either precipitation or sub-irrigation. Notwithstanding these provisions, for any parcel that exhibits sustained growth (i.e. plant growth to a height of more than 6 inches) during the dry-up year, the CDWR field staff shall require either immediate chemical kill or deep tillage or shall deem the parcel to be disqualified for augmentation credit.

F. Parcels with Areas of High Ground Water or Seepage

Fields containing areas of high ground water or areas effected by seepage from ditches or natural water courses, ponds or reservoirs may be disqualified or required to be chemically

killed or deep tilled if significant crop growth continues to occur during the irrigation season absent irrigation supply.

G. Plan Year and H-I Model Year Dry-up Claims

Due to the conflict between Replacement Plan years (April 1st through March 31st) and H-I Modeling periods (January 1st through December 31st), replacement plan proponents shall indicate whether a dry-up claim is for the Plan Year of calendar year. For any dry-up parcel irrigated during the period January through March of any year, but nominated for dry-up credit after April 1st (e.g. winter wheat), the plan proponent must provide a consumptive use analysis consistent with the methodology used for H-I Model crediting prepared by a registered professional engineer to determine how to pro-rate the dry-up acreage for the partial H-I Model year. This analysis must be submitted by no later than May 1st of the year in which the partial credit is being claimed. An estimate of the reduction in consumptive credit to be used in the Replacement Plan shall be provided with the March 1st plan submittal for purposes of plan evaluation and approval.

H. Mapping by Division of Water Resources for Approved Parcels

Using GIS data provided by the plan proponents, Division 2 staff will prepare dry-up shapefiles and mapping of the parcels approved in the replacement plan. This data and mapping will be used by CDWR field staff and Kansas to monitor dry-up fields. Division 2 staff will attempt to make this mapping available by April 15th of each year. Final mapping for dry-up affidavits will be produced at the conclusion of the credit period (January 15th for calendar year dry-up and April 15th for replacement year dry-up).

II. Parcel Identification

A. Parcel Identification

Parcels shall normally be identified using the Parcel ID established by CDWR unless another parcel identification system is approved by the Division Engineer. Mapping of approved parcels and data collection by CDWR field staff while monitoring parcels will rely on the Parcel ID to relate parcel information. The typical Parcel ID is in the format Township Number, Range Number, Section Number and a two-digit field number (e.g. 21573607).

B. Physical Identification of Dry-up Parcels

1. Permanent Dry-up Parcels

For parcels that have been approved for dry-up for at least three consecutive years, or that are intended for permanent removal of all types of irrigation, a sign shall be placed in a prominent location near the most logical point of observation near a public road way or the commonly used access point to the parcel. The sign shall be securely mounted on a 4" x 4" or 6" by 6" timber post and shall be at least 9" wide by 12" high, made of durable material, and with minimum 1" lettering. Signs shall state "Dry-Up Parcel ID XXXXXXXX".

2. Temporary Dry-up Parcels

For parcels that are nominated for only temporary dry-up (less than three consecutive years), a sign shall be placed in a prominent location near the most logical point of observation near a public road way or the commonly used access point to the parcel. The sign shall be securely mounted on a steel tee-post or 4" x 4" or 6" by 6" timber post and shall be at least 12" wide by 6" high, made of durable material, and with minimum 1" lettering.

Signs shall state:

**“Dry-Up Parcel ID XXXXXXXX”
“No Irrigation”**

or

**“Dry-Up Parcel ID XXXXXXXX”
“Irrigated by Well ID XXXXXXXX”**

3. Installation of Signs

Signs shall be installed by no later than April 1st of each year and signs on permanent dry-up fields shall be inspected for damage and possible replacement by April 1st of each year. Mapping showing sign locations or GPS locations of signs shall be provided by no later than April 15th of each year.

III. Field Monitoring of Dry-up Parcels

A. Colorado Division of Water Resources' Role

Division of Water Resources field staff shall visit dry-up parcels on a periodic basis during each irrigation season to determine adequacy of dry-up provisions and sources of irrigation supply for parcels that have ongoing irrigation by sole source wells. Data will be collected for each parcel as shown on the attached field inspection form. Data collected will be maintained in the Division 2 Office and periodically provided to Kansas and interested parties upon request. Problems discovered during the periodic inspections will be communicated to the designated person for each plan so that the problem can be resolved or credits forfeited for the specific parcel.

Shares attributable to any parcel deemed by the Division Engineer as not actually being in a dried up condition shall be immediately removed from computations of augmentation credits.

The CDWR personnel will also conduct joint field inspections as requested with personnel from Kansas and will coordinate on communication about problems with any dry-up parcels that will affect the H-I Model input data.

B. Role of Plan Proponent and Well Owners

Each replacement plan shall designate with the March 1st Plan Application a contact person or person(s) for communications related to dry-up parcels. The contact person shall be responsible for ensuring that all mapping, signage and owner information is provided as described above. The contact person will also be responsible for contacting any owners for parcels with restricted access to arrange periodic field inspections and will be available to participate on field inspections by CDWR field staff upon request. The contact person will be responsible for communicating with owners of tracts where problems with dry-up conditions have been encountered to correct dry-up deficiencies. The plan proponent contact will also be responsible for ensuring that all dry-up affidavits are submitted in a timely manner and with complete documentation as may be required by plan approval conditions.

Owners of dry-up parcels will be responsible for notifying CDWR when any spill or irrigation occurs on a parcel that may disqualify the parcel or portions thereof from dry-up crediting. Timely notification will facilitate remediation activities that may preserve most dry-up credit for a parcel. When required by CDWR staff to take corrective actions on a

parcel the owner or contact person will prepare a report to document actions taken and submit the report to the Division 2 Office within ten days of remediation activities.

C. Resolution of Problems with Tracts

When a problem is discovered on a tract the Division Engineer or designated representative will determine whether an acreage reduction or consumptive use reduction is necessary. For parcels where dry-up has been unobtainable for the majority of a season on a discreet portion of a parcel an acreage deduction will be made for the dry-up crediting to eliminate that portion.

For parcels that experience continued growth of permanent vegetation, such as alfalfa, despite efforts to chemically kill or deep till the parcel, partial dry-up credit will only be considered if a consumptive use analysis prepared as described in Paragraph I-G above is submitted with the dry-up affidavit.

D. Dry-up Affidavits

At the conclusion of each dry-up period (either April through December or April through the following March), an affidavit shall be submitted signed by a person having knowledge of the dry-up activities and historic irrigation of the parcel. An example of the dry-up affidavit is attached. Affidavits will normally be due by January 15th for April through December dry-up or by April 15th for April through March dry-up.

Affidavits for each plan shall be submitted with a summary tabulation indicating for each parcel whether the claim is made for full credit, partial credit or whether the tract was irrigated by a sole source well. Summary tabulations shall total the claimed acreage by category under each ditch.

Affidavit of _____
(Name of individual having personal knowledge of dry up)

State of Colorado)
) SS.
County of Otero)

I _____, being sworn, state as follows:
Name

1. I am _____ (describe the position that you are in or the circumstance, which allows you to have a personal knowledge of the dry up of the parcel of land described in paragraph 3 below).

2. I reside at _____
Address (Street/P.O., City, State ZIP)

3. The parcels of land shown on the attached map in the dried up acreage section of the Arkansas River Replacement Plan Application for *CWPDA* was irrigated by water from the Holbrook Canal prior to the dry up of the land for augmentation credit.

4. Based on my personal knowledge, the parcels of land shown on the attached map and described in the dried up acreage section of the Arkansas River Replacement Plan Application for *CWPDA* was not irrigated from the Holbrook Canal or from any other water source in 2003.

Further, the affiant sayeth not.

Signature
Name _____
Address _____

of Affiant

Subscribed and sworn to before me on _____
Date

My commission expires _____.

NOTARY PUBLIC

Signature
Name _____
Address _____



December 21, 2023

Earl D. Lewis, Jr. Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502

Subject: Revised Notice of Transfer to the Offset Account in John Martin Reservoir - Kansas Charge

Dear Mr. Lewis,

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** (“Resolution”) for each delivery or transfer conducted during 2023 in detail following the initial notice for each transaction originally sent to Kansas.

July 1, 2023 transfer:

The Lower Arkansas Water Management Association (LAWMA) transferred **1,735.92 acre-feet** of consumable water to the Colorado Downstream Consumable subaccount to replace depletions to the Stateline as estimated by the Colorado monthly accounting.

In order to accomplish the foregoing, a total of **1,735.92 acre-feet** of consumable water was transferred from the Colorado Downstream subaccount to the Kansas Consumable subaccount.

A daily accounting sheet for John Martin Reservoir for July 1, 2023 is included in Enclosure 1.

June, 29 2023 through July 6, 2023 delivery:

LAWMA delivered **2,927.30 acre-feet** of consumable water to the Colorado Downstream Consumable subaccount.

In order to accomplish the foregoing, a total of **3078.12 acre-feet** of consumable water was released from Lake Meredith from Colorado Springs Utilities (CS-U) beginning on June 29, 2023 at 9:30 hours at a rate of 517.29 cfs and ended on July 1, 2023 at 9:30 hours . The computed transit loss for the release from Lake Meredith to John Martin was 4.9%. The inflows were stored in the Colorado Downstream Consumable account.

Details of this delivery are included in Enclosure 2.



July 18, 2023 transfer:

LAWMA transferred **1,134.66 acre-feet** of consumable water to the Colorado Downstream Consumable subaccount on July 18, 2023. The total was broken into the following components:

- Colorado Downstream Consumable subaccount received 1,134.66 acre-feet.
- The Return Flow Transit Loss Subaccount received 59.62 acre-feet.
- The Return Flow Subaccount received 642.78 acre-feet.

This transfer was charged a 5% storage charge that totaled 91.85 acre-feet. In order to accomplish the foregoing, a total of **1,863.14 acre-feet** of water was transferred from LAWMA's X-Y Article II account. A daily accounting sheet for John Martin Reservoir for July 18, 2023 is included in Enclosure 3.

July 19, 2023 transfer:

LAWMA transferred **539.37 acre-feet** of consumable water to the Colorado Downstream Consumable subaccount on July 19, 2023. The total was broken into the following components:

- Colorado Downstream Consumable subaccount received 539.37 acre-feet.
- The Return Flow Transit Loss Subaccount received 4.19 acre-feet.
- The Return Flow Subaccount received 77.18 acre-feet.

This transfer was charged a 5% storage charge that totaled 31.04 acre-feet. In order to accomplish the foregoing, a total of **838.83 acre-feet** of water was transferred from LAWMA's Keesee Article II account. A daily accounting sheet for John Martin Reservoir for July 19, 2023 is included in Enclosure 4.

September 8, 2023 through September 13, 2023 delivery:

LAWMA delivered **665.01 acre-feet** of consumable water to the Kansas Charge subaccount to pre-fund the 500 acre-foot storage charge for 2024.

In order to accomplish the foregoing, a total of **700 acre-feet** of consumable water was released from Lake Meredith from Colorado Springs Utilities (CS-U) beginning on September 8, 2023 at 12:00 hours at a rate of 100.83 cfs and ended on July 12, 2023 at 0:00 hours. The first 555.86 acre-feet of the release was used by the Fort Lyon Canal to exchange the remainder of their Article III water from John Martin Reservoir to the Fort Lyon headgate. The computed transit loss from the Lake Meredith Outlet to the Fort Lyon Headgate was 2.73%. During this exchange, water was diverted by the Fort Lyon Canal and replaced downstream by a transfer from the Fort Lyon Canal Article III account to the Offset account in like amounts. The remaining 144.11 acre-feet of that release was a direct delivery. The computed transit loss for the release from Lake Meredith to John Martin was 13.69%. The exchange transfers and inflows were stored in the Kansas Charge account.

Details of this delivery are included in Enclosure 5.

Summary

This letter summarizes the deliveries to the Offset Account for LAWMA through September 13, 2023. The total amount of water delivered to the Offset Account on the above dates was 6,200.93 acre-feet. The total transferred within the Offset Account on the above dates was 1,858.81 acre-feet, including the 5% storage charge for stored water. Total consumable water delivered was 5,266.34 acre-feet. The Total Return Flow water delivered was 719.96 acre-feet and the Return Flow Transit Loss subaccount total was 63.81 acre-feet.

Please contact me if you have any questions or require additional information.

Sincerely,



Rachel A. Zancanella, P.E.
Division Engineer
Water Division 2
Colorado Division of Water Resources

3 Enclosure

cc:	Kevin Salter	Rachel Duran	Dale Book	Roy Cue
	Randy Hendrix	Ayrton Hendrix	Dan Steuer	Bethany Arnold
	Brian Lenherr	Lonnie Spady	Bill Tyner	Noah Friesen

Enclosure 1

Daily Accounting for John Martin Reservoir for July 1, 2023

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Multi-PurposeAcco								
Consumable								
Kansas Charge	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project	7/1/2023	1.36	0.00	0.00	0.00	0.00	0.00	1.36
Catlin LAVWCD Pilot Project - CS	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWS	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LAWMA	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow								
Catlin LAVWCD Pilot Project	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project - CS	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWS	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LAWMA	7/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multi-PurposeAcco	Totals:	1.36	0.00	0.00	0.00	0.00	0.00	1.36

Reservoir	Totals:	77,917.00	1,248.16	2,639.70	2,639.70	0.00	84.16	79,081.00
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Colorado Article II Summary								
Keesee	7/1/2023	771.18	0.00	14.35	0.00	0.00	0.83	784.70
Ft Bent	7/1/2023	3,012.26	0.00	61.81	0.00	0.00	3.25	3,070.82
Amity	7/1/2023	6,690.95	0.00	235.29	0.00	0.00	7.23	6,919.01
Lamar	7/1/2023	5,443.60	0.00	123.62	0.00	0.00	5.88	5,561.34
Hyde	7/1/2023	330.96	0.00	8.11	0.00	0.00	0.36	338.71
X-Y	7/1/2023	1,710.66	0.00	31.84	0.00	0.00	1.84	1,740.66
Buffalo	7/1/2023	3,250.84	0.00	53.06	0.00	0.00	3.51	3,300.39
Sisson	7/1/2023	329.00	0.00	5.38	0.00	0.00	0.35	334.03
Stubbs	7/1/2023	86.47	0.00	2.12	0.00	0.00	0.09	88.50
Manvel	7/1/2023	829.11	0.00	14.98	0.00	0.00	0.89	843.20
Colorado Article II	Totals:	22,455.03	0.00	550.56	0.00	0.00	24.23	22,981.36

Enclosure 2

Delivery Details: LAWMA from Colorado Springs Utilities
June 29, 2023 through July 6, 2023

	A	B	C	Y	Z
1	John Martin Reservoir WY 2023				
2					
3					
4	Label 1			Offset Consumable Downstream	LAWMA_Aurora Aurora
5	Label 2				
6					
7					
8	Label 3				Offset Storage (DOWNSTR)
9	Date	Day	YrMo	Offset Consumable Downstream	Aurora Aurora Offset Storage (D
240	6/19/2023 0:00:00	Mon	202306		
241	6/20/2023 0:00:00	Tue	202306		
242	6/21/2023 0:00:00	Wed	202306		
243	6/22/2023 0:00:00	Thu	202306		
244	6/23/2023 0:00:00	Fri	202306		
245	6/24/2023 0:00:00	Sat	202306		
246	6/25/2023 0:00:00	Sun	202306		
247	6/26/2023 0:00:00	Mon	202306		
248	6/27/2023 0:00:00	Tue	202306		
249	6/28/2023 0:00:00	Wed	202306		
250	6/29/2023 0:00:00	Thu	202306		
251	6/30/2023 0:00:00	Fri	202306		
252	7/1/2023 0:00:00	Sat	202307		
253	7/2/2023 0:00:00	Sun	202307	101.65	Del from Meredith. 517.29 cfs started 930am 6/29. 4.9% TL, 3 day del time. 3 days.
254	7/3/2023 0:00:00	Mon	202307	975.76	
255	7/4/2023 0:00:00	Tue	202307	925.45	
256	7/5/2023 0:00:00	Wed	202307	664.69	
257	7/6/2023 0:00:00	Thu	202307	259.75	
258	7/7/2023 0:00:00	Fri	202307		
259	7/8/2023 0:00:00	Sat	202307		
260	7/9/2023 0:00:00	Sun	202307		
261	7/10/2023 0:00:00	Mon	202307		
262	7/11/2023 0:00:00	Tue	202307		

Enclosure 3

Daily Accounting for John Martin Reservoir for July 18, 2023

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Multi-PurposeAcco								
Consumable								
Kansas Charge	7/18/2023	0.21	0.00	0.00	0.00	0.00	0.00	0.21
Catlin LAVWCD Pilot Project	7/18/2023	2.81	0.00	0.00	0.00	0.00	0.00	2.81
Catlin LAVWCD Pilot Project - CS	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWS	7/18/2023	2.11	0.00	0.00	0.00	0.00	0.00	2.11
LAWMA	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow								
Catlin LAVWCD Pilot Project	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project - CS	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWS	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LAWMA	7/18/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multi-PurposeAcco	Totals:	5.13	0.00	0.00	0.00	0.00	0.00	5.13

Reservoir	Totals:	100,697.63	117.84	1,960.88	1,960.88	1,328.95	136.17	99,350.34
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Colorado Article II Summary								
Keesee	7/18/2023	1,022.49	0.00	0.00	0.00	0.00	1.39	1,021.10
Ft Bent	7/18/2023	4,034.63	0.00	0.00	0.00	0.00	5.45	4,029.18
Amity	7/18/2023	10,366.70	0.00	0.00	0.00	0.00	14.02	10,352.68
Lamar	7/18/2023	7,211.13	0.00	0.00	0.00	0.00	9.75	7,201.38
Hyde	7/18/2023	475.13	0.00	0.00	0.00	0.00	0.64	474.49
X-Y	7/18/2023	2,268.28	0.00	0.00	1,863.14	0.00	2.90	402.24
Buffalo	7/18/2023	4,171.90	0.00	26.08	0.00	0.00	5.64	4,192.34
Sisson	7/18/2023	422.41	0.00	0.00	0.00	0.00	0.57	421.84
Stubbs	7/18/2023	124.17	0.00	0.00	0.00	0.00	0.17	124.00
Manvel	7/18/2023	1,090.95	0.00	0.00	0.00	0.00	1.48	1,089.47
Colorado Article II	Totals:	31,187.79	0.00	26.08	1,863.14	0.00	42.01	29,308.72

Enclosure 4

Daily Accounting for John Martin Reservoir on July 19, 2023

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Multi-PurposeAcco								
Consumable								
Kansas Charge	7/19/2023	0.21	0.00	0.00	0.00	0.00	0.00	0.21
Catlin LAVWCD Pilot Project	7/19/2023	2.81	0.00	0.00	0.00	0.00	0.00	2.81
Catlin LAVWCD Pilot Project - CS	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWS	7/19/2023	2.11	0.00	0.00	0.00	0.00	0.00	2.11
LAWMA	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow								
Catlin LAVWCD Pilot Project	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catlin LAVWCD Pilot Project - CS	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fort Lyon LAWMA - CSU	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAA	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Super Ditch City of Fountain IWS	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LAWMA	7/19/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Multi-PurposeAcco	Totals:	5.13	0.00	0.00	0.00	0.00	0.00	5.13

Reservoir	Totals:	99,350.34	64.91	873.11	873.11	1,328.95	119.10	97,967.20
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Colorado Article II Summary								
Keesee	7/19/2023	1,021.10	0.00	0.00	838.83	0.00	1.13	181.14
Ft Bent	7/19/2023	4,029.18	0.00	25.16	0.00	0.00	4.83	4,049.51
Amity	7/19/2023	10,352.68	0.00	123.31	0.00	0.00	12.41	10,463.58
Lamar	7/19/2023	7,201.38	0.00	69.62	0.00	0.00	8.64	7,262.36
Hyde	7/19/2023	474.49	0.00	0.00	0.00	0.00	0.57	473.92
X-Y	7/19/2023	402.24	0.00	0.00	0.00	0.00	0.48	401.76
Buffalo	7/19/2023	4,192.34	0.00	0.00	0.00	0.00	5.02	4,187.32
Sisson	7/19/2023	421.84	0.00	0.00	0.00	0.00	0.50	421.34
Stubbs	7/19/2023	124.00	0.00	0.00	0.00	0.00	0.15	123.85
Manvel	7/19/2023	1,089.47	0.00	0.00	0.00	0.00	1.31	1,088.16
Colorado Article II	Totals:	29,308.72	0.00	218.09	838.83	0.00	35.04	28,652.94

Enclosure 5

Delivery Details: LAWMA from Colorado Springs Utilities
September 8, 2023 through September 13, 2023

Accounting of the Transfers done for the Fort Lyon Exchange Operation

				Ft Lyon Section III (Acct 33)<24>
				Offset Account - Consumable - Kansas Charge (Acct 55)<37>
				Fort Lyon Section III Exchange Transfer to the Kansas Charge Account
			Reservoir Transfers (Ac/Ft)	
11/1/22	Tue	202211	0.00	
11/2/22	Wed	202211	0.00	
11/3/22	Thu	202211	0.00	
11/4/22	Fri	202211	0.00	
11/5/22	Sat	202211	0.00	
11/6/22	Sun	202211	0.00	
11/7/22	Mon	202211	0.00	
11/8/22	Tue	202211	0.00	
11/9/22	Wed	202211	166.67	166.67
11/10/22	Thu	202211	200.00	200.00
11/11/22	Fri	202211	184.43	174.04
11/12/22	Sat	202211	10.39	
11/13/22	Sun	202211	11.11	
11/14/22	Mon	202211	0.00	
11/15/22	Tue	202211	0.00	
11/16/22	Wed	202211	0.00	
11/17/22	Thu	202211	0.00	

Accounting of Inflows

John Martin Reservoir WY 2023			55
Label 1			Kansas
Label 2			Storage Charge Subaccount
Label 3			
Date	Day	YrMo	as Storage Charge Subacc
9/4/2023 0:00:00	Mon	202309	
9/5/2023 0:00:00	Tue	202309	
9/6/2023 0:00:00	Wed	202309	
9/7/2023 0:00:00	Thu	202309	
9/8/2023 0:00:00	Fri	202309	
9/9/2023 0:00:00	Sat	202309	
9/10/2023 0:00:00	Sun	202309	
9/11/2023 0:00:00	Mon	202309	
9/12/2023 0:00:00	Tue	202309	124.30
9/13/2023 0:00:00	Wed	202309	0.00
9/14/2023 0:00:00	Thu	202309	
9/15/2023 0:00:00	Fri	202309	
9/16/2023 0:00:00	Sat	202309	
9/17/2023 0:00:00	Sun	202309	
9/18/2023 0:00:00	Mon	202309	
9/19/2023 0:00:00	Tue	202309	

Section 4



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

March 25, 2023

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Ms. Stephanie Gonzales
Recording Secretary
Arkansas River Compact Administration
P.O. Box 1106
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for November 2022

Dear Mr. Lewis and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended April 30, 1998** (“Resolution”). This letter reports the monthly pumping in excess of Colorado’s pre-Compact entitlement, Colorado’s monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of November, 2022.

Table 1 shows the amount of pumping during the month of November 2022 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** (“Rules”) approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that no replacements were made to senior surface water rights in Colorado in Reaches 11, 12, 13, 14, 15 and 16 caused by pumping affecting those reaches since there was not a call by a Colorado surface water right in those reaches November 2022.



The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

There were no deliveries or releases during the month of November 2022.

There were unreplaced depletions at the stateline totaling 995.76 acre-feet after balancing the November accounting. This total includes depletions from October and November 2022. These depletions will be replaced by a transfer of water into the Kansas Consumable Subaccount after proper notice is provided to Kansas pursuant to Paragraph 5 of the Resolution.

As of November 30, 2022, a total of 1,531.17 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of November 2022 is attached in Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Bethany Arnold, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

cc: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Rachel Zancanella
Noah Friesen
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
November 2022

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	4.67	2.94
2	BOOTH ORCHARD	0	0
3	EXCELSIOR	0	0
4	COLLIER	0	0
5	COLORADO	0	0
6	ROCKY FORD HIGHLINE	42.48	15.58
7	OXFORD	61.87	35.41
8	OTERO	3.75	1.35
9	CATLIN	3.3	1.31
10	FORT LYON US	55.66	20.04
11	ROCKY FORD	1.73	0.88
12	HOLBROOK	5.41	2.72
13	LAS ANIMAS CONSOLIDATED	0.26	0.2
14	BALDWIN-STUBBS	1.37	1.03
15	FORT BENT	1.18	0.89
17	AMITY	5.5	3.78
18	LAMAR/MANVEL	8.9	4.28
19	HYDE	0	0
20	FORT LYON DS	82.89	39.49
21	XY GRAHAM	1.99	1
22	BUFFALO	0.12	0.04
24	STATELINE SOLE SOURCE	0	0
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	0	0
	Totals	281.08	130.94

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)

November 2022

USER NUMBER

10	15	16	17	18	19	20	21	22	23	24	Total
0	0.94	0	3.78	4.28	0	40.48	1	0.04	0	0	50.52

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
November 2022

REACH NUMBER	11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month	0	0	0	0	0	0	0	0	0	0	
Remaining Depletion	18.54	36.25	130.37	99.86	44.65	73.55	162.00	530.96	31.79	1127.97	
Depletion to Usable SL Flow	6.47	12.65	45.50	34.85	15.58	25.67	56.54	185.31	11.09	393.66	
Replacements											Credit to Next Month
FRY-ARK Return Flows	0	0.00	0.00	0.00	0.00					0.00	0
Fort Lyon Aug Station/Recharge	0	0.00	0.00	0.00	0.00					0.00	0
CO Beef - Lamar Center Farm	0			0.00						0.00	0
Lamar Center Farm	0			0.00	0.00					0.00	0
Lamar Granada East/West								0.00		0.00	0.00
Ft Bent Ditch Shares	0			0.00						0.00	0
Stubbs Direct Flow	0									0.00	0
XY Direct Flow	0				0.00	0.00				0.00	0
Manvel Direct Flow	0									0.00	0
Offset Account Release Credit	-33.35								393.66	393.66	-995.76
Offset Account Transit Loss	0	0.00		0.00			0.00			0.00	0
Offset Account Water	0	0								393.66	0
Total Replacements	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	393.66		
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 568.75 acre-feet of SWSP and Decreed Augmentation Plan depletions were transferred to the state line. This resulted in 995.76 acre-feet of depletions at the state line and no remaining Offset Credits to offset that balance. This will be remedied by transferring water into the Kansas Consumable Subaccount after proper notification is provided.

Enclosure 1

John Martin Offset Accounting for November 2022

Offset Account

November 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1579.45							239.84							0.00
1	0.00	0.00	0.00	0.00	4.39	1575.06	1	0.00	0.00	0.00	0.00	0.67	239.17	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	2.91	1572.15	2	0.00	0.00	0.00	0.00	0.45	238.72	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	3.06	1569.09	3	0.00	0.00	0.00	0.00	0.47	238.25	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.51	1567.58	4	0.00	0.00	0.00	0.00	0.23	238.02	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.51	1566.07	5	0.00	0.00	0.00	0.00	0.23	237.79	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.51	1564.56	6	0.00	0.00	0.00	0.00	0.23	237.56	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	2.10	1562.46	7	0.00	0.00	0.00	0.00	0.31	237.25	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.35	1561.11	8	0.00	0.00	0.00	0.00	0.21	237.04	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.34	1559.77	9	0.00	0.00	0.00	0.00	0.20	236.84	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	2.53	1557.24	10	0.00	0.00	0.00	0.00	0.38	236.46	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	2.53	1554.71	11	0.00	0.00	0.00	0.00	0.38	236.08	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	2.51	1552.20	12	0.00	0.00	0.00	0.00	0.38	235.70	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	2.64	1549.56	13	0.00	0.00	0.00	0.00	0.40	235.30	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.32	1548.24	14	0.00	0.00	0.00	0.00	0.20	235.10	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.32	1546.92	15	0.00	0.00	0.00	0.00	0.20	234.90	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.30	1545.62	16	0.00	0.00	0.00	0.00	0.19	234.71	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.30	1544.32	17	0.00	0.00	0.00	0.00	0.19	234.52	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.28	1543.04	18	0.00	0.00	0.00	0.00	0.19	234.33	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.26	1541.78	19	0.00	0.00	0.00	0.00	0.19	234.14	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.88	1540.90	20	0.00	0.00	0.00	0.00	0.13	234.01	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.12	1539.78	21	0.00	0.00	0.00	0.00	0.17	233.84	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.11	1538.67	22	0.00	0.00	0.00	0.00	0.17	233.67	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	1.21	1537.46	23	0.00	0.00	0.00	0.00	0.18	233.49	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.20	1536.26	24	0.00	0.00	0.00	0.00	0.18	233.31	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	1.19	1535.07	25	0.00	0.00	0.00	0.00	0.18	233.13	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.16	1533.91	26	0.00	0.00	0.00	0.00	0.17	232.96	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.15	1532.76	27	0.00	0.00	0.00	0.00	0.17	232.79	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.15	1531.61	28	0.00	0.00	0.00	0.00	0.17	232.62	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.04	1531.57	29	0.00	0.00	0.00	0.00	0.00	232.62	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.40	1531.17	30	0.00	0.00	0.00	0.00	0.06	232.56	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	48.28			0.00	0.00	0.00	0.00	7.28			0.00	0.00	0.00	0.00	0.00	
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1415.86							1161.63							14.39
1	0.00	0.00	0.00	0.00	3.93	1411.93	1	0.00	0.00	0.00	0.00	3.22	1158.41	1	0.00	0.00	0.00	0.00	0.04	14.35
2	0.00	0.00	0.00	0.00	2.61	1409.32	2	0.00	0.00	0.00	0.00	2.13	1156.28	2	0.00	0.00	0.00	0.00	0.03	14.32
3	0.00	0.00	0.00	0.00	2.74	1406.58	3	0.00	0.00	0.00	0.00	2.24	1154.04	3	0.00	0.00	0.00	0.00	0.03	14.29
4	0.00	0.00	0.00	0.00	1.35	1405.23	4	0.00	0.00	0.00	0.00	1.11	1152.93	4	0.00	0.00	0.00	0.00	0.01	14.28
5	0.00	0.00	0.00	0.00	1.35	1403.88	5	0.00	0.00	0.00	0.00	1.11	1151.82	5	0.00	0.00	0.00	0.00	0.01	14.27
6	0.00	0.00	0.00	0.00	1.35	1402.53	6	0.00	0.00	0.00	0.00	1.11	1150.71	6	0.00	0.00	0.00	0.00	0.01	14.26
7	0.00	0.00	0.00	0.00	1.88	1400.65	7	0.00	0.00	0.00	0.00	1.55	1149.16	7	0.00	0.00	0.00	0.00	0.02	14.24
8	0.00	0.00	0.00	0.00	1.21	1399.44	8	0.00	0.00	0.00	0.00	0.99	1148.17	8	0.00	0.00	0.00	0.00	0.01	14.23
9	0.00	0.00	0.00	0.00	1.20	1398.24	9	0.00	0.00	0.00	0.00	0.99	1147.18	9	0.00	0.00	0.00	0.00	0.01	14.22
10	0.00	0.00	0.00	0.00	2.26	1395.98	10	0.00	0.00	0.00	0.00	1.86	1145.32	10	0.00	0.00	0.00	0.00	0.02	14.20
11	0.00	0.00	0.00	0.00	2.26	1393.72	11	0.00	0.00	0.00	0.00	1.86	1143.46	11	0.00	0.00	0.00	0.00	0.02	14.18
12	0.00	0.00	0.00	0.00	2.25	1391.47	12	0.00	0.00	0.00	0.00	1.85	1141.61	12	0.00	0.00	0.00	0.00	0.02	14.16
13	0.00	0.00	0.00	0.00	2.37	1389.10	13	0.00	0.00	0.00	0.00	1.95	1139.66	13	0.00	0.00	0.00	0.00	0.02	14.14
14	0.00	0.00	0.00	0.00	1.18	1387.92	14	0.00	0.00	0.00	0.00	0.97	1138.69	14	0.00	0.00	0.00	0.00	0.01	14.13
15	0.00	0.00	0.00	0.00	1.18	1386.74	15	0.00	0.00	0.00	0.00	0.97	1137.72	15	0.00	0.00	0.00	0.00	0.01	14.12
16	0.00	0.00	0.00	0.00	1.16	1385.58	16	0.00	0.00	0.00	0.00	0.96	1136.76	16	0.00	0.00	0.00	0.00	0.01	14.11
17	0.00	0.00	0.00	0.00	1.16	1384.42	17	0.00	0.00	0.00	0.00	0.96	1135.80	17	0.00	0.00	0.00	0.00	0.01	14.10
18	0.00	0.00	0.00	0.00	1.15	1383.27	18	0.00	0.00	0.00	0.00	0.95	1134.85	18	0.00	0.00	0.00	0.00	0.01	14.09
19	0.00	0.00	0.00	0.00	1.13	1382.14	19	0.00	0.00	0.00	0.00	0.93	1133.92	19	0.00	0.00	0.00	0.00	0.01	14.08
20	0.00	0.00	0.00	0.00	0.79	1381.35	20	0.00	0.00	0.00	0.00	0.65	1133.27	20	0.00	0.00	0.00	0.00	0.01	14.07
21	0.00	0.00	0.00	0.00	1.01	1380.34	21	0.00	0.00	0.00	0.00	0.83	1132.44	21	0.00	0.00	0.00	0.00	0.01	14.06
22	0.00	0.00	0.00	0.00	1.00	1379.34	22	0.00	0.00	0.00	0.00	0.82	1131.62	22	0.00	0.00	0.00	0.00	0.01	14.05
23	0.00	0.00	0.00	0.00	1.08	1378.26	23	0.00	0.00	0.00	0.00	0.89	1130.73	23	0.00	0.00	0.00	0.00	0.01	14.04
24	0.00	0.00	0.00	0.00	1.07	1377.19	24	0.00	0.00	0.00	0.00	0.88	1129.85	24	0.00	0.00	0.00	0.00	0.01	14.03
25	0.00	0.00	0.00	0.00	1.06	1376.13	25	0.00	0.00	0.00	0.00	0.87	1128.98	25	0.00	0.00	0.00	0.00	0.01	14.02
26	0.00	0.00	0.00	0.00	1.04	1375.09	26	0.00	0.00	0.00	0.00	0.86	1128.12	26	0.00	0.00	0.00	0.00	0.01	14.01
27	0.00	0.00	0.00	0.00	1.03	1374.06	27	0.00	0.00	0.00	0.00	0.85	1127.27	27	0.00	0.00	0.00	0.00	0.01	14.00
28	0.00	0.00	0.00	0.00	1.03	1373.03	28	0.00	0.00	0.00	0.00	0.85	1126.42	28	0.00	0.00	0.00	0.00		

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						163.59							60.05							2.76
1	0.00	0.00	0.00	0.00	0.46	163.13	1	0.00	0.00	0.00	0.00	0.17	59.88	1	0.00	0.00	0.00	0.00	0.01	2.75
2	0.00	0.00	0.00	0.00	0.30	162.83	2	0.00	0.00	0.00	0.00	0.11	59.77	2	0.00	0.00	0.00	0.00	0.01	2.74
3	0.00	0.00	0.00	0.00	0.32	162.51	3	0.00	0.00	0.00	0.00	0.12	59.65	3	0.00	0.00	0.00	0.00	0.01	2.73
4	0.00	0.00	0.00	0.00	0.16	162.35	4	0.00	0.00	0.00	0.00	0.06	59.59	4	0.00	0.00	0.00	0.00	0.00	2.73
5	0.00	0.00	0.00	0.00	0.16	162.19	5	0.00	0.00	0.00	0.00	0.06	59.53	5	0.00	0.00	0.00	0.00	0.00	2.73
6	0.00	0.00	0.00	0.00	0.16	162.03	6	0.00	0.00	0.00	0.00	0.06	59.47	6	0.00	0.00	0.00	0.00	0.00	2.73
7	0.00	0.00	0.00	0.00	0.22	161.81	7	0.00	0.00	0.00	0.00	0.08	59.39	7	0.00	0.00	0.00	0.00	0.00	2.73
8	0.00	0.00	0.00	0.00	0.14	161.67	8	0.00	0.00	0.00	0.00	0.05	59.34	8	0.00	0.00	0.00	0.00	0.00	2.73
9	0.00	0.00	0.00	0.00	0.14	161.53	9	0.00	0.00	0.00	0.00	0.05	59.29	9	0.00	0.00	0.00	0.00	0.00	2.73
10	0.00	0.00	0.00	0.00	0.27	161.26	10	0.00	0.00	0.00	0.00	0.10	59.19	10	0.00	0.00	0.00	0.00	0.00	2.73
11	0.00	0.00	0.00	0.00	0.27	160.99	11	0.00	0.00	0.00	0.00	0.10	59.09	11	0.00	0.00	0.00	0.00	0.00	2.73
12	0.00	0.00	0.00	0.00	0.26	160.73	12	0.00	0.00	0.00	0.00	0.10	58.99	12	0.00	0.00	0.00	0.00	0.00	2.73
13	0.00	0.00	0.00	0.00	0.27	160.46	13	0.00	0.00	0.00	0.00	0.10	58.89	13	0.00	0.00	0.00	0.00	0.00	2.73
14	0.00	0.00	0.00	0.00	0.14	160.32	14	0.00	0.00	0.00	0.00	0.05	58.84	14	0.00	0.00	0.00	0.00	0.00	2.73
15	0.00	0.00	0.00	0.00	0.14	160.18	15	0.00	0.00	0.00	0.00	0.05	58.79	15	0.00	0.00	0.00	0.00	0.00	2.73
16	0.00	0.00	0.00	0.00	0.14	160.04	16	0.00	0.00	0.00	0.00	0.05	58.74	16	0.00	0.00	0.00	0.00	0.00	2.73
17	0.00	0.00	0.00	0.00	0.14	159.90	17	0.00	0.00	0.00	0.00	0.05	58.69	17	0.00	0.00	0.00	0.00	0.00	2.73
18	0.00	0.00	0.00	0.00	0.13	159.77	18	0.00	0.00	0.00	0.00	0.05	58.64	18	0.00	0.00	0.00	0.00	0.00	2.73
19	0.00	0.00	0.00	0.00	0.13	159.64	19	0.00	0.00	0.00	0.00	0.05	58.59	19	0.00	0.00	0.00	0.00	0.00	2.73
20	0.00	0.00	0.00	0.00	0.09	159.55	20	0.00	0.00	0.00	0.00	0.03	58.56	20	0.00	0.00	0.00	0.00	0.00	2.73
21	0.00	0.00	0.00	0.00	0.11	159.44	21	0.00	0.00	0.00	0.00	0.04	58.52	21	0.00	0.00	0.00	0.00	0.00	2.73
22	0.00	0.00	0.00	0.00	0.11	159.33	22	0.00	0.00	0.00	0.00	0.04	58.48	22	0.00	0.00	0.00	0.00	0.00	2.73
23	0.00	0.00	0.00	0.00	0.13	159.20	23	0.00	0.00	0.00	0.00	0.05	58.43	23	0.00	0.00	0.00	0.00	0.00	2.73
24	0.00	0.00	0.00	0.00	0.13	159.07	24	0.00	0.00	0.00	0.00	0.05	58.38	24	0.00	0.00	0.00	0.00	0.00	2.73
25	0.00	0.00	0.00	0.00	0.13	158.94	25	0.00	0.00	0.00	0.00	0.05	58.33	25	0.00	0.00	0.00	0.00	0.00	2.73
26	0.00	0.00	0.00	0.00	0.12	158.82	26	0.00	0.00	0.00	0.00	0.04	58.29	26	0.00	0.00	0.00	0.00	0.00	2.73
27	0.00	0.00	0.00	0.00	0.12	158.70	27	0.00	0.00	0.00	0.00	0.04	58.25	27	0.00	0.00	0.00	0.00	0.00	2.73
28	0.00	0.00	0.00	0.00	0.12	158.58	28	0.00	0.00	0.00	0.00	0.04	58.21	28	0.00	0.00	0.00	0.00	0.00	2.73
29	0.00	0.00	0.00	0.00	0.00	158.58	29	0.00	0.00	0.00	0.00	0.00	58.21	29	0.00	0.00	0.00	0.00	0.00	2.73
30	0.00	0.00	0.00	0.00	0.05	158.53	30	0.00	0.00	0.00	0.00	0.02	58.19	30	0.00	0.00	0.00	0.00	0.00	2.73
	0.00	0.00	0.00	0.00	5.06			0.00	0.00	0.00	0.00	1.86		0.00	0.00	0.00	0.00	0.00	0.03	
OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						103.54							122.97							114.11
1	0.00	0.00	0.00	0.00	0.29	103.25	1	0.00	0.00	0.00	0.00	0.34	122.63	1	0.00	0.00	0.00	0.00	0.32	113.79
2	0.00	0.00	0.00	0.00	0.19	103.06	2	0.00	0.00	0.00	0.00	0.23	122.40	2	0.00	0.00	0.00	0.00	0.21	113.58
3	0.00	0.00	0.00	0.00	0.20	102.86	3	0.00	0.00	0.00	0.00	0.24	122.16	3	0.00	0.00	0.00	0.00	0.22	113.36
4	0.00	0.00	0.00	0.00	0.10	102.76	4	0.00	0.00	0.00	0.00	0.12	122.04	4	0.00	0.00	0.00	0.00	0.11	113.25
5	0.00	0.00	0.00	0.00	0.10	102.66	5	0.00	0.00	0.00	0.00	0.12	121.92	5	0.00	0.00	0.00	0.00	0.11	113.14
6	0.00	0.00	0.00	0.00	0.10	102.56	6	0.00	0.00	0.00	0.00	0.12	121.80	6	0.00	0.00	0.00	0.00	0.11	113.03
7	0.00	0.00	0.00	0.00	0.14	102.42	7	0.00	0.00	0.00	0.00	0.16	121.64	7	0.00	0.00	0.00	0.00	0.15	112.88
8	0.00	0.00	0.00	0.00	0.09	102.33	8	0.00	0.00	0.00	0.00	0.11	121.53	8	0.00	0.00	0.00	0.00	0.10	112.78
9	0.00	0.00	0.00	0.00	0.09	102.24	9	0.00	0.00	0.00	0.00	0.10	121.43	9	0.00	0.00	0.00	0.00	0.10	112.68
10	0.00	0.00	0.00	0.00	0.17	102.07	10	0.00	0.00	0.00	0.00	0.20	121.23	10	0.00	0.00	0.00	0.00	0.18	112.50
11	0.00	0.00	0.00	0.00	0.17	101.90	11	0.00	0.00	0.00	0.00	0.20	121.03	11	0.00	0.00	0.00	0.00	0.18	112.32
12	0.00	0.00	0.00	0.00	0.16	101.74	12	0.00	0.00	0.00	0.00	0.20	120.83	12	0.00	0.00	0.00	0.00	0.18	112.14
13	0.00	0.00	0.00	0.00	0.17	101.57	13	0.00	0.00	0.00	0.00	0.21	120.62	13	0.00	0.00	0.00	0.00	0.19	111.95
14	0.00	0.00	0.00	0.00	0.09	101.48	14	0.00	0.00	0.00	0.00	0.10	120.52	14	0.00	0.00	0.00	0.00	0.10	111.85
15	0.00	0.00	0.00	0.00	0.09	101.39	15	0.00	0.00	0.00	0.00	0.10	120.42	15	0.00	0.00	0.00	0.00	0.10	111.75
16	0.00	0.00	0.00	0.00	0.09	101.30	16	0.00	0.00	0.00	0.00	0.10	120.32	16	0.00	0.00	0.00	0.00	0.09	111.66
17	0.00	0.00	0.00	0.00	0.09	101.21	17	0.00	0.00	0.00	0.00	0.10	120.22	17	0.00	0.00	0.00	0.00	0.09	111.57
18	0.00	0.00	0.00	0.00	0.08	101.13	18	0.00	0.00	0.00	0.00	0.10	120.12	18	0.00	0.00	0.00	0.00	0.09	111.48
19	0.00	0.00	0.00	0.00	0.08	101.05	19	0.00	0.00	0.00	0.00	0.10	120.02	19	0.00	0.00	0.00	0.00	0.09	111.39
20	0.00	0.00	0.00	0.00	0.06	100.99	20	0.00	0.00	0.00	0.00	0.07	119.95	20	0.00	0.00	0.00	0.00	0.06	111.33
21	0.00	0.00	0.00	0.00	0.07	100.92	21	0.00	0.00	0.00	0.00	0.09	119.86	21	0.00	0.00	0.00	0.00	0.08	111.25
22	0.00	0.00	0.00	0.00	0.07	100.85	22	0.00	0.00	0.00	0.00	0.09	119.77	22	0.00	0.00	0.00	0.00	0.08	111.17
23	0.00	0.00	0.00	0.00	0.08	100.77	23	0.00	0.00	0.00	0.00	0.09	119.68	23	0.00	0.00	0.00	0.00	0.09	111.08
24	0.00	0.00	0.00	0.00	0.08	100.69	24	0.00	0.00	0.00	0.00	0.09	119.59	24	0.00	0.00	0.00	0.00	0.09	110.99
25	0.00	0.00	0.00	0.00	0.08	100.61	25	0.00	0.00	0.00	0.00	0.09	119.50	25	0.00	0.00	0.00	0.00	0.09	110.90
26	0.00	0.00	0.00	0.00	0.08	100.53	26	0.00	0.00	0.00	0.00	0.09	119.41	26	0.00	0.00	0.00	0.00	0.08	110.82
27	0.00	0.00	0.00	0.00	0.08	100.45	27	0.00	0.00	0.00	0.00	0.09	119.32	27	0.00	0.00	0.00	0.00	0.08	110.74
28	0.00	0.00	0.00	0.00	0.08	100.37	28	0.00	0.00	0.00	0.00	0.09	119.23	28	0.00	0.00	0.00	0.00	0.08	110.66
29	0.00	0.00	0.00	0.00	0.00	100.37	29	0.00	0.00	0.00	0.00	0.00	119.23	29	0.00	0.00	0.00	0.00	0.00	110.66
30	0.00	0.00	0.00	0.00	0.03	100.34	30	0.00	0.00	0.00	0.00	0.03	119.20	30	0.00	0.00</				



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

March 25, 2023

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Ms. Stephanie Gonzales
Recording Secretary
Arkansas River Compact Administration
P.O. Box 1106
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for December 2022

Dear Mr. Lewis and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended April 30, 1998** (“Resolution”). This letter reports the monthly pumping in excess of Colorado’s pre-Compact entitlement, Colorado’s monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of December, 2022.

Table 1 shows the amount of pumping during the month of December 2022 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** (“Rules”) approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that no replacements were made to senior surface water rights in Colorado in Reaches 11, 12, 13, 14, 15 and 16 caused by pumping affecting those reaches since there was not a call by a Colorado surface water right in those reaches December 2022.



The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

There were no deliveries to the Offset Account in December 2022.

There were unreplaced depletions at the stateline totaling 1,681.58 acre-feet after balancing the December accounting. This total includes depletions from October, November and December 2022. These depletions will be replaced by a transfer of water into the Kansas Consumable Subaccount after proper notice is provided to Kansas pursuant to Paragraph 5 of the Resolution.

As of December 31, 2022, a total of 1,515.91 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of December 2022 is attached in Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Bethany Arnold, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

cc: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Rachel Zancanella
Noah Friesen
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
December 2022

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	12.19	4.56
2	BOOTH ORCHARD	0	0
3	EXCELSIOR	0	0
4	COLLIER	0	0
5	COLORADO	0.3	0.23
6	ROCKY FORD HIGHLINE	8.55	3.63
7	OXFORD	1.81	1.79
8	OTERO	1.48	0.53
9	CATLIN	28.87	10.5
10	FORT LYON US	1.22	0.44
11	ROCKY FORD	0	0
12	HOLBROOK	0.01	0.01
13	LAS ANIMAS CONSOLIDATED	0	0
14	BALDWIN-STUBBS	0	0
15	FORT BENT	0	0
17	AMITY	9.02	5.92
18	LAMAR/MANVEL	5.84	2.1
19	HYDE	40	30
20	FORT LYON DS	7.68	3.77
21	XY GRAHAM	0	0
22	BUFFALO	0.12	0.04
24	STATELINE SOLE SOURCE	0	0
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	0	0
	Totals	117.09	63.52

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
December 2022

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
0.00	0.00	0.00	5.92	2.10	30.00	3.77	0.00	0.04	0.00	0.00	41.83

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
December 2022

REACH NUMBER	11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month	0	0	0	0	0	0	0	0	0	0	
Remaining Depletion	16.42	31.74	111.29	91.80	40.53	65.69	144.56	437.94	29.60	969.57	
Depletion to Usable SL Flow	5.73	11.08	38.84	32.04	14.14	22.93	50.45	152.84	10.33	338.38	
Replacements											Credit to Next Month
FRY-ARK Return Flows	0	0.00	0.00	0.00	0.00					0.00	0
Fort Lyon Aug Station/Recharge	0	0.00	0.00	0.00	0.00					0.00	0
CO Beef - Lamar Center Farm	0			0.00						0.00	0
Lamar Center Farm	0	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0
Lamar Granada East/West								0.00		0.00	0.00
Ft Bent Ditch Shares	0			0.00						0.00	0
Stubbs Direct Flow	0									0.00	0
XY Direct Flow	0				0.00	0.00				0.00	0
Manvel Direct Flow	0									0.00	0
Offset Account Release Credit	-995.76								332.86	332.86	-1681.58
Offset Account Transit Loss	0	0.00		0.00			0.00			0.00	0
Offset Account Water	0	0								0.00	0
Total Replacements	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	332.86	332.86	
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 352.96 acre-feet of SWSP and Decreed Augmentation Plan depletions were transferred to the state line. This resulted in 1,681.58 acre-feet of depletions at the state line and no remaining Offset Credits to offset that balance. This will be remedied by transferring water into the Kansas Consumable Subaccount after proper notification is provided.

Enclosure 1

John Martin Offset Accounting for December 2022

Offset Account

December 2022

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1531.17							232.56							0.00
1	0.00	0.00	0.00	0.00	1.00	1530.17	1	0.00	0.00	0.00	0.00	0.15	232.41	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.98	1529.19	2	0.00	0.00	0.00	0.00	0.15	232.26	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.98	1528.21	3	0.00	0.00	0.00	0.00	0.15	232.11	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.97	1527.24	4	0.00	0.00	0.00	0.00	0.15	231.96	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.95	1526.29	5	0.00	0.00	0.00	0.00	0.14	231.82	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.95	1525.34	6	0.00	0.00	0.00	0.00	0.14	231.68	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.94	1524.40	7	0.00	0.00	0.00	0.00	0.14	231.54	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.93	1523.47	8	0.00	0.00	0.00	0.00	0.14	231.40	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.92	1522.55	9	0.00	0.00	0.00	0.00	0.14	231.26	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.91	1521.64	10	0.00	0.00	0.00	0.00	0.14	231.12	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.91	1520.73	11	0.00	0.00	0.00	0.00	0.14	230.98	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.89	1519.84	12	0.00	0.00	0.00	0.00	0.13	230.85	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.89	1518.95	13	0.00	0.00	0.00	0.00	0.13	230.72	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.49	1518.46	14	0.00	0.00	0.00	0.00	0.08	230.64	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.61	1517.85	15	0.00	0.00	0.00	0.00	0.09	230.55	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.87	1516.98	16	0.00	0.00	0.00	0.00	0.13	230.42	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.87	1516.11	17	0.00	0.00	0.00	0.00	0.13	230.29	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.17	1515.94	18	0.00	0.00	0.00	0.00	0.02	230.27	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.03	1515.91	19	0.00	0.00	0.00	0.00	0.00	230.27	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	1515.91	20	0.00	0.00	0.00	0.00	0.00	230.27	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	1515.91	21	0.00	0.00	0.00	0.00	0.00	230.27	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	1515.91	22	0.00	0.00	0.00	0.00	0.00	230.27	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	1515.91	23	0.00	0.00	0.00	0.00	0.00	230.27	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	1515.91	24	0.00	0.00	0.00	0.00	0.00	230.27	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	1515.91	25	0.00	0.00	0.00	0.00	0.00	230.27	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	1515.91	26	0.00	0.00	0.00	0.00	0.00	230.27	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	1515.91	27	0.00	0.00	0.00	0.00	0.00	230.27	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	1515.91	28	0.00	0.00	0.00	0.00	0.00	230.27	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	1515.91	29	0.00	0.00	0.00	0.00	0.00	230.27	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	1515.91	30	0.00	0.00	0.00	0.00	0.00	230.27	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	1515.91	31	0.00	0.00	0.00	0.00	0.00	230.27	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	15.26			0.00	0.00	0.00	0.00	2.29		0.00	0.00	0.00	0.00	0.00		

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1372.64							1126.09							13.99
1	0.00	0.00	0.00	0.00	0.89	1371.75	1	0.00	0.00	0.00	0.00	0.73	1125.36	1	0.00	0.00	0.00	0.00	0.01	13.98
2	0.00	0.00	0.00	0.00	0.88	1370.87	2	0.00	0.00	0.00	0.00	0.72	1124.64	2	0.00	0.00	0.00	0.00	0.01	13.97
3	0.00	0.00	0.00	0.00	0.88	1369.99	3	0.00	0.00	0.00	0.00	0.72	1123.92	3	0.00	0.00	0.00	0.00	0.01	13.96
4	0.00	0.00	0.00	0.00	0.87	1369.12	4	0.00	0.00	0.00	0.00	0.71	1123.21	4	0.00	0.00	0.00	0.00	0.01	13.95
5	0.00	0.00	0.00	0.00	0.85	1368.27	5	0.00	0.00	0.00	0.00	0.70	1122.51	5	0.00	0.00	0.00	0.00	0.01	13.94
6	0.00	0.00	0.00	0.00	0.85	1367.42	6	0.00	0.00	0.00	0.00	0.70	1121.81	6	0.00	0.00	0.00	0.00	0.01	13.93
7	0.00	0.00	0.00	0.00	0.84	1366.58	7	0.00	0.00	0.00	0.00	0.69	1121.12	7	0.00	0.00	0.00	0.00	0.01	13.92
8	0.00	0.00	0.00	0.00	0.83	1365.75	8	0.00	0.00	0.00	0.00	0.68	1120.44	8	0.00	0.00	0.00	0.00	0.01	13.91
9	0.00	0.00	0.00	0.00	0.83	1364.92	9	0.00	0.00	0.00	0.00	0.68	1119.76	9	0.00	0.00	0.00	0.00	0.01	13.90
10	0.00	0.00	0.00	0.00	0.82	1364.10	10	0.00	0.00	0.00	0.00	0.67	1119.09	10	0.00	0.00	0.00	0.00	0.01	13.89
11	0.00	0.00	0.00	0.00	0.82	1363.28	11	0.00	0.00	0.00	0.00	0.67	1118.42	11	0.00	0.00	0.00	0.00	0.01	13.88
12	0.00	0.00	0.00	0.00	0.80	1362.48	12	0.00	0.00	0.00	0.00	0.66	1117.76	12	0.00	0.00	0.00	0.00	0.01	13.87
13	0.00	0.00	0.00	0.00	0.80	1361.68	13	0.00	0.00	0.00	0.00	0.66	1117.10	13	0.00	0.00	0.00	0.00	0.01	13.86
14	0.00	0.00	0.00	0.00	0.44	1361.24	14	0.00	0.00	0.00	0.00	0.36	1116.74	14	0.00	0.00	0.00	0.00	0.00	13.86
15	0.00	0.00	0.00	0.00	0.55	1360.69	15	0.00	0.00	0.00	0.00	0.45	1116.29	15	0.00	0.00	0.00	0.00	0.01	13.85
16	0.00	0.00	0.00	0.00	0.78	1359.91	16	0.00	0.00	0.00	0.00	0.64	1115.65	16	0.00	0.00	0.00	0.00	0.01	13.84
17	0.00	0.00	0.00	0.00	0.78	1359.13	17	0.00	0.00	0.00	0.00	0.64	1115.01	17	0.00	0.00	0.00	0.00	0.01	13.83
18	0.00	0.00	0.00	0.00	0.15	1358.98	18	0.00	0.00	0.00	0.00	0.13	1114.88	18	0.00	0.00	0.00	0.00	0.00	13.83
19	0.00	0.00	0.00	0.00	0.03	1358.95	19	0.00	0.00	0.00	0.00	0.03	1114.85	19	0.00	0.00	0.00	0.00	0.00	13.83
20	0.00	0.00	0.00	0.00	0.00	1358.95	20	0.00	0.00	0.00	0.00	0.00	1114.85	20	0.00	0.00	0.00	0.00	0.00	13.83
21	0.00	0.00	0.00	0.00	0.00	1358.95	21	0.00	0.00	0.00	0.00	0.00	1114.85	21	0.00	0.00	0.00	0.00	0.00	13.83
22	0.00	0.00	0.00	0.00	0.00	1358.95	22	0.00	0.00	0.00	0.00	0.00	1114.85	22	0.00	0.00	0.00	0.00	0.00	13.83
23	0.00	0.00	0.00	0.00	0.00	1358.95	23	0.00	0.00	0.00	0.00	0.00	1114.85	23	0.00	0.00	0.00	0.00	0.00	13.83
24	0.00	0.00	0.00	0.00	0.00	1358.95	24	0.00	0.00	0.00	0.00	0.00	1114.85	24	0.00	0.00	0.00	0.00	0.00	13.83
25	0.00	0.00	0.00	0.00	0.00	1358.95	25	0.00	0.00	0.00	0.00	0.00	1114.85	25	0.00	0.00	0.00	0.00	0.00	13.83
26	0.00	0.00	0.00	0.00	0.00	1358.95	26	0.00	0.00	0.00	0.00	0.00	1114.85	26	0.00	0.00	0.00	0.00	0.00	13.83
27	0.00	0.00	0.00	0.00	0.00	1358.95	27	0.00	0.00	0.00	0.00	0.00	1114.85	27	0.00	0.00	0.00	0.00	0.00	13.83
28	0.00	0.00	0.00	0.00	0.00	1358.95	28	0.00	0.00	0.00	0.00	0.00	1114.85	28	0.00	0.00	0.00	0.00	0.00	13.83
29	0.00	0.0																		

Offset Account

December 2022

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						158.53							58.19							2.73
1	0.00	0.00	0.00	0.00	0.11	158.42	1	0.00	0.00	0.00	0.00	0.04	58.15	1	0.00	0.00	0.00	0.00	0.00	2.73
2	0.00	0.00	0.00	0.00	0.10	158.32	2	0.00	0.00	0.00	0.00	0.04	58.11	2	0.00	0.00	0.00	0.00	0.00	2.73
3	0.00	0.00	0.00	0.00	0.10	158.22	3	0.00	0.00	0.00	0.00	0.04	58.07	3	0.00	0.00	0.00	0.00	0.00	2.73
4	0.00	0.00	0.00	0.00	0.10	158.12	4	0.00	0.00	0.00	0.00	0.04	58.03	4	0.00	0.00	0.00	0.00	0.00	2.73
5	0.00	0.00	0.00	0.00	0.10	158.02	5	0.00	0.00	0.00	0.00	0.04	57.99	5	0.00	0.00	0.00	0.00	0.00	2.73
6	0.00	0.00	0.00	0.00	0.10	157.92	6	0.00	0.00	0.00	0.00	0.04	57.95	6	0.00	0.00	0.00	0.00	0.00	2.73
7	0.00	0.00	0.00	0.00	0.10	157.82	7	0.00	0.00	0.00	0.00	0.04	57.91	7	0.00	0.00	0.00	0.00	0.00	2.73
8	0.00	0.00	0.00	0.00	0.10	157.72	8	0.00	0.00	0.00	0.00	0.04	57.87	8	0.00	0.00	0.00	0.00	0.00	2.73
9	0.00	0.00	0.00	0.00	0.09	157.63	9	0.00	0.00	0.00	0.00	0.03	57.84	9	0.00	0.00	0.00	0.00	0.00	2.73
10	0.00	0.00	0.00	0.00	0.09	157.54	10	0.00	0.00	0.00	0.00	0.03	57.81	10	0.00	0.00	0.00	0.00	0.00	2.73
11	0.00	0.00	0.00	0.00	0.09	157.45	11	0.00	0.00	0.00	0.00	0.03	57.78	11	0.00	0.00	0.00	0.00	0.00	2.73
12	0.00	0.00	0.00	0.00	0.09	157.36	12	0.00	0.00	0.00	0.00	0.03	57.75	12	0.00	0.00	0.00	0.00	0.00	2.73
13	0.00	0.00	0.00	0.00	0.09	157.27	13	0.00	0.00	0.00	0.00	0.03	57.72	13	0.00	0.00	0.00	0.00	0.00	2.73
14	0.00	0.00	0.00	0.00	0.05	157.22	14	0.00	0.00	0.00	0.00	0.02	57.70	14	0.00	0.00	0.00	0.00	0.00	2.73
15	0.00	0.00	0.00	0.00	0.06	157.16	15	0.00	0.00	0.00	0.00	0.02	57.68	15	0.00	0.00	0.00	0.00	0.00	2.73
16	0.00	0.00	0.00	0.00	0.09	157.07	16	0.00	0.00	0.00	0.00	0.03	57.65	16	0.00	0.00	0.00	0.00	0.00	2.73
17	0.00	0.00	0.00	0.00	0.09	156.98	17	0.00	0.00	0.00	0.00	0.03	57.62	17	0.00	0.00	0.00	0.00	0.00	2.73
18	0.00	0.00	0.00	0.00	0.02	156.96	18	0.00	0.00	0.00	0.00	0.01	57.61	18	0.00	0.00	0.00	0.00	0.00	2.73
19	0.00	0.00	0.00	0.00	0.00	156.96	19	0.00	0.00	0.00	0.00	0.00	57.61	19	0.00	0.00	0.00	0.00	0.00	2.73
20	0.00	0.00	0.00	0.00	0.00	156.96	20	0.00	0.00	0.00	0.00	0.00	57.61	20	0.00	0.00	0.00	0.00	0.00	2.73
21	0.00	0.00	0.00	0.00	0.00	156.96	21	0.00	0.00	0.00	0.00	0.00	57.61	21	0.00	0.00	0.00	0.00	0.00	2.73
22	0.00	0.00	0.00	0.00	0.00	156.96	22	0.00	0.00	0.00	0.00	0.00	57.61	22	0.00	0.00	0.00	0.00	0.00	2.73
23	0.00	0.00	0.00	0.00	0.00	156.96	23	0.00	0.00	0.00	0.00	0.00	57.61	23	0.00	0.00	0.00	0.00	0.00	2.73
24	0.00	0.00	0.00	0.00	0.00	156.96	24	0.00	0.00	0.00	0.00	0.00	57.61	24	0.00	0.00	0.00	0.00	0.00	2.73
25	0.00	0.00	0.00	0.00	0.00	156.96	25	0.00	0.00	0.00	0.00	0.00	57.61	25	0.00	0.00	0.00	0.00	0.00	2.73
26	0.00	0.00	0.00	0.00	0.00	156.96	26	0.00	0.00	0.00	0.00	0.00	57.61	26	0.00	0.00	0.00	0.00	0.00	2.73
27	0.00	0.00	0.00	0.00	0.00	156.96	27	0.00	0.00	0.00	0.00	0.00	57.61	27	0.00	0.00	0.00	0.00	0.00	2.73
28	0.00	0.00	0.00	0.00	0.00	156.96	28	0.00	0.00	0.00	0.00	0.00	57.61	28	0.00	0.00	0.00	0.00	0.00	2.73
29	0.00	0.00	0.00	0.00	0.00	156.96	29	0.00	0.00	0.00	0.00	0.00	57.61	29	0.00	0.00	0.00	0.00	0.00	2.73
30	0.00	0.00	0.00	0.00	0.00	156.96	30	0.00	0.00	0.00	0.00	0.00	57.61	30	0.00	0.00	0.00	0.00	0.00	2.73
31	0.00	0.00	0.00	0.00	0.00	156.96	31	0.00	0.00	0.00	0.00	0.00	57.61	31	0.00	0.00	0.00	0.00	0.00	2.73
	0.00	0.00	0.00	0.00	1.57			0.00	0.00	0.00	0.00	0.58			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						100.34							119.20							110.63
1	0.00	0.00	0.00	0.00	0.07	100.27	1	0.00	0.00	0.00	0.00	0.08	119.12	1	0.00	0.00	0.00	0.00	0.07	110.56
2	0.00	0.00	0.00	0.00	0.06	100.21	2	0.00	0.00	0.00	0.00	0.08	119.04	2	0.00	0.00	0.00	0.00	0.07	110.49
3	0.00	0.00	0.00	0.00	0.06	100.15	3	0.00	0.00	0.00	0.00	0.08	118.96	3	0.00	0.00	0.00	0.00	0.07	110.42
4	0.00	0.00	0.00	0.00	0.06	100.09	4	0.00	0.00	0.00	0.00	0.08	118.88	4	0.00	0.00	0.00	0.00	0.07	110.35
5	0.00	0.00	0.00	0.00	0.06	100.03	5	0.00	0.00	0.00	0.00	0.07	118.81	5	0.00	0.00	0.00	0.00	0.07	110.28
6	0.00	0.00	0.00	0.00	0.06	99.97	6	0.00	0.00	0.00	0.00	0.07	118.74	6	0.00	0.00	0.00	0.00	0.07	110.21
7	0.00	0.00	0.00	0.00	0.06	99.91	7	0.00	0.00	0.00	0.00	0.07	118.67	7	0.00	0.00	0.00	0.00	0.07	110.14
8	0.00	0.00	0.00	0.00	0.06	99.85	8	0.00	0.00	0.00	0.00	0.07	118.60	8	0.00	0.00	0.00	0.00	0.07	110.07
9	0.00	0.00	0.00	0.00	0.06	99.79	9	0.00	0.00	0.00	0.00	0.07	118.53	9	0.00	0.00	0.00	0.00	0.07	110.00
10	0.00	0.00	0.00	0.00	0.06	99.73	10	0.00	0.00	0.00	0.00	0.07	118.46	10	0.00	0.00	0.00	0.00	0.07	109.93
11	0.00	0.00	0.00	0.00	0.06	99.67	11	0.00	0.00	0.00	0.00	0.07	118.39	11	0.00	0.00	0.00	0.00	0.07	109.86
12	0.00	0.00	0.00	0.00	0.06	99.61	12	0.00	0.00	0.00	0.00	0.07	118.32	12	0.00	0.00	0.00	0.00	0.06	109.80
13	0.00	0.00	0.00	0.00	0.06	99.55	13	0.00	0.00	0.00	0.00	0.07	118.25	13	0.00	0.00	0.00	0.00	0.06	109.74
14	0.00	0.00	0.00	0.00	0.03	99.52	14	0.00	0.00	0.00	0.00	0.04	118.21	14	0.00	0.00	0.00	0.00	0.04	109.70
15	0.00	0.00	0.00	0.00	0.04	99.48	15	0.00	0.00	0.00	0.00	0.05	118.16	15	0.00	0.00	0.00	0.00	0.04	109.66
16	0.00	0.00	0.00	0.00	0.06	99.42	16	0.00	0.00	0.00	0.00	0.07	118.09	16	0.00	0.00	0.00	0.00	0.06	109.60
17	0.00	0.00	0.00	0.00	0.06	99.36	17	0.00	0.00	0.00	0.00	0.07	118.02	17	0.00	0.00	0.00	0.00	0.06	109.54
18	0.00	0.00	0.00	0.00	0.01	99.35	18	0.00	0.00	0.00	0.00	0.01	118.01	18	0.00	0.00	0.00	0.00	0.01	109.53
19	0.00	0.00	0.00	0.00	0.00	99.35	19	0.00	0.00	0.00	0.00	0.00	118.01	19	0.00	0.00	0.00	0.00	0.00	109.53
20	0.00	0.00	0.00	0.00	0.00	99.35	20	0.00	0.00	0.00	0.00	0.00	118.01	20	0.00	0.00	0.00	0.00	0.00	109.53
21	0.00	0.00	0.00	0.00	0.00	99.35	21	0.00	0.00	0.00	0.00	0.00	118.01	21	0.00	0.00	0.00	0.00	0.00	109.53
22	0.00	0.00	0.00	0.00	0.00	99.35	22	0.00	0.00	0.00	0.00	0.00	118.01	22	0.00	0.00	0.00	0.00	0.00	109.53
23	0.00	0.00	0.00	0.00	0.00	99.35	23	0.00	0.00	0.00	0.00	0.00	118.01	23	0.00	0.00	0.00	0.00	0.00	109.53
24	0.00	0.00	0.00	0.00	0.00	99.35	24	0.00	0.00	0.00	0.00	0.00	118.01	24	0.00	0.00	0.00	0.00	0.00	109.53
25	0.00	0.00	0.00	0.00	0.00	99.35	25	0.00	0.00	0.00	0.00	0.00	118.01	25	0.00	0.00	0.00	0.00	0.00	109.53
26	0.00	0.00	0.00	0.00	0.00	99.35	26	0.00	0.00	0.00	0.00	0.00	118.01	26	0.00	0.00	0.00	0.00	0.00	109.53
27	0.00	0.00	0.00	0.00	0.00	99.35	27	0.00	0.00	0.00	0.00	0.00	118.01	27	0.00	0.00	0.00	0.00	0.00	109.53
28	0.00	0.00	0.00	0.00	0.00	99.35	28	0.00	0.00	0.00	0.00	0.00	118.01	28	0.00	0.00	0.00	0.00	0.00	109.53
29	0.00	0.00	0.00	0.00	0.00	99.35	29	0.00	0.00	0.00	0.00	0.00	118.01							



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

March 25, 2023

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Ms. Stephanie Gonzales
Recording Secretary
Arkansas River Compact Administration
P.O. Box 1106
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for January 2023

Dear Mr. Lewis and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended April 30, 1998** (“Resolution”). This letter reports the monthly pumping in excess of Colorado’s pre-Compact entitlement, Colorado’s monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of January, 2023.

Table 1 shows the amount of pumping during the month of January 2023 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** (“Rules”) approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that no replacements were made to senior surface water rights in Colorado in Reaches 11, 12, 13, 14, 15 and 16 caused by pumping affecting those reaches since there was not a call by a Colorado surface water right in those reaches in January 2023.



The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

There were no deliveries to the Offset Account in January 2023.

On January 31, 2023, Catlin Augmentation Association (CAA) transferred 48.17 acre-feet out of the CAA Upstream Consumable subaccount to replace depletions to Conservation Storage caused by winter return flow obligations as prescribed in Case No. 12CW94. The total transferred out of the Offset Account in January 2022 was 48.17 acre-feet.

There were unreplaced depletions at the stateline totaling 616.10 acre-feet after balancing the January accounting. These depletions will be replaced by a transfer of water into the Kansas Consumable Subaccount after proper notice is provided to Kansas pursuant to Paragraph 5 of the Resolution.

As of January 31, 2023, a total of 1,465.13 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of January 2023 is attached in Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Bethany Arnold, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

cc: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Rachel Zancanella
Noah Friesen
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
January 2023

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	4.41	1.82
2	BOOTH ORCHARD	0	0
3	EXCELSIOR	0	0
4	COLLIER	0	0
5	COLORADO	0	0
6	ROCKY FORD HIGHLINE	7.01	2.53
7	OXFORD	0.03	0.01
8	OTERO	0	0
9	CATLIN	0	0
10	FORT LYON US	0.08	0.03
11	ROCKY FORD	0	0
12	HOLBROOK	0	0
13	LAS ANIMAS CONSOLIDATED	1.74	1.31
14	BALDWIN-STUBBS	0	0
15	FORT BENT	0	0
17	AMITY	0	0
18	LAMAR/MANVEL	1.71	0.62
19	HYDE	0	0
20	FORT LYON DS	38.52	14.11
21	XY GRAHAM	0	0
22	BUFFALO	0.12	0.04
24	STATELINE SOLE SOURCE	0	0
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	0	0
	Totals	52.18	19.16

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
January 2023

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
0.00	0.00	0.00	0.00	0.62	0.00	1.73	0.00	0.04	0.00	0.00	2.39

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
January 2023

REACH NUMBER	11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month	0	0	0	0	0	0	0	0	0	0	
Remaining Depletion	14.78	28.38	98.92	84.11	36.23	59.40	132.27	437.94	26.53	918.56	
Depletion to Usable SL Flow	5.16	9.90	34.52	29.35	12.64	20.73	46.16	152.84	9.26	320.58	
Replacements											Credit to Next Month
FRY-ARK Return Flows	0	0.00	0.00	0.00	0.00					0.00	0
Fort Lyon Aug Station/Recharge	0	0.00	0.00	0.00	0.00					0.00	0
CO Beef - Lamar Center Farm	0			0.00						0.00	0
Lamar Center Farm	0	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0
Lamar Granada East/West								0.00		0.00	0.00
Ft Bent Ditch Shares	0									0.00	0
Stubbs Direct Flow	0									0.00	0
XY Direct Flow	0	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0
Manvel Direct Flow	0									0.00	0
Offset Account Release Credit	0*								290.62	290.62	-616.10
Offset Account Transit Loss	0	0.00		0.00			0.00			0.00	0
Offset Account Water	0	0								0.00	0
Total Replacements	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	290.62	290.62	
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 325.48 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline. This resulted in 616.10 acre-feet of depletions at the state line. The Offset Credits were reset to 0 in anticipation of a new H-I Model run to determine Offset Credits to offset that balance. The depletions at the stateline will be remedied by transferring water into the Kansas Consumable Subaccount after proper notification is provided.

Enclosure 1

John Martin Offset Accounting for January 2023

Offset Account

January 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1515.91							230.27							0.00
1	0.00	0.00	0.00	0.00	0.00	1515.91	1	0.00	0.00	0.00	0.00	0.00	230.27	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	1515.91	2	0.00	0.00	0.00	0.00	0.00	230.27	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	1515.91	3	0.00	0.00	0.00	0.00	0.00	230.27	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	1515.91	4	0.00	0.00	0.00	0.00	0.00	230.27	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	1515.91	5	0.00	0.00	0.00	0.00	0.00	230.27	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	1515.91	6	0.00	0.00	0.00	0.00	0.00	230.27	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	1515.91	7	0.00	0.00	0.00	0.00	0.00	230.27	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	1515.91	8	0.00	0.00	0.00	0.00	0.00	230.27	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	1515.91	9	0.00	0.00	0.00	0.00	0.00	230.27	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	1515.91	10	0.00	0.00	0.00	0.00	0.00	230.27	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.07	1515.84	11	0.00	0.00	0.00	0.00	0.02	230.25	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.03	1515.81	12	0.00	0.00	0.00	0.00	0.00	230.25	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	1515.81	13	0.00	0.00	0.00	0.00	0.00	230.25	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	1515.81	14	0.00	0.00	0.00	0.00	0.00	230.25	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	1515.81	15	0.00	0.00	0.00	0.00	0.00	230.25	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	1515.81	16	0.00	0.00	0.00	0.00	0.00	230.25	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.03	1515.78	17	0.00	0.00	0.00	0.00	0.00	230.25	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.17	1515.61	18	0.00	0.00	0.00	0.00	0.02	230.23	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.48	1515.13	19	0.00	0.00	0.00	0.00	0.07	230.16	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.69	1514.44	20	0.00	0.00	0.00	0.00	0.10	230.06	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.68	1513.76	21	0.00	0.00	0.00	0.00	0.10	229.96	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.03	1513.73	22	0.00	0.00	0.00	0.00	0.00	229.96	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.01	1513.72	23	0.00	0.00	0.00	0.00	0.00	229.96	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.06	1513.66	24	0.00	0.00	0.00	0.00	0.01	229.95	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.06	1513.60	25	0.00	0.00	0.00	0.00	0.01	229.94	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.06	1513.54	26	0.00	0.00	0.00	0.00	0.01	229.93	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.10	1513.44	27	0.00	0.00	0.00	0.00	0.02	229.91	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.10	1513.34	28	0.00	0.00	0.00	0.00	0.02	229.89	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.02	1513.32	29	0.00	0.00	0.00	0.00	0.00	229.89	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.02	1513.30	30	0.00	0.00	0.00	0.00	0.00	229.89	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	48.17	0.00	0.00	1465.13	31	0.00	0.00	48.17	0.00	0.00	181.72	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	48.17	0.00	2.61			0.00	0.00	48.17	0.00	0.38			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1358.95							1114.85							13.83
1	0.00	0.00	0.00	0.00	0.00	1358.95	1	0.00	0.00	0.00	0.00	0.00	1114.85	1	0.00	0.00	0.00	0.00	0.00	13.83
2	0.00	0.00	0.00	0.00	0.00	1358.95	2	0.00	0.00	0.00	0.00	0.00	1114.85	2	0.00	0.00	0.00	0.00	0.00	13.83
3	0.00	0.00	0.00	0.00	0.00	1358.95	3	0.00	0.00	0.00	0.00	0.00	1114.85	3	0.00	0.00	0.00	0.00	0.00	13.83
4	0.00	0.00	0.00	0.00	0.00	1358.95	4	0.00	0.00	0.00	0.00	0.00	1114.85	4	0.00	0.00	0.00	0.00	0.00	13.83
5	0.00	0.00	0.00	0.00	0.00	1358.95	5	0.00	0.00	0.00	0.00	0.00	1114.85	5	0.00	0.00	0.00	0.00	0.00	13.83
6	0.00	0.00	0.00	0.00	0.00	1358.95	6	0.00	0.00	0.00	0.00	0.00	1114.85	6	0.00	0.00	0.00	0.00	0.00	13.83
7	0.00	0.00	0.00	0.00	0.00	1358.95	7	0.00	0.00	0.00	0.00	0.00	1114.85	7	0.00	0.00	0.00	0.00	0.00	13.83
8	0.00	0.00	0.00	0.00	0.00	1358.95	8	0.00	0.00	0.00	0.00	0.00	1114.85	8	0.00	0.00	0.00	0.00	0.00	13.83
9	0.00	0.00	0.00	0.00	0.00	1358.95	9	0.00	0.00	0.00	0.00	0.00	1114.85	9	0.00	0.00	0.00	0.00	0.00	13.83
10	0.00	0.00	0.00	0.00	0.00	1358.95	10	0.00	0.00	0.00	0.00	0.00	1114.85	10	0.00	0.00	0.00	0.00	0.00	13.83
11	0.00	0.00	0.00	0.00	0.07	1358.88	11	0.00	0.00	0.00	0.00	0.05	1114.80	11	0.00	0.00	0.00	0.00	0.00	13.83
12	0.00	0.00	0.00	0.00	0.03	1358.85	12	0.00	0.00	0.00	0.00	0.03	1114.77	12	0.00	0.00	0.00	0.00	0.00	13.83
13	0.00	0.00	0.00	0.00	0.00	1358.85	13	0.00	0.00	0.00	0.00	0.00	1114.77	13	0.00	0.00	0.00	0.00	0.00	13.83
14	0.00	0.00	0.00	0.00	0.00	1358.85	14	0.00	0.00	0.00	0.00	0.00	1114.77	14	0.00	0.00	0.00	0.00	0.00	13.83
15	0.00	0.00	0.00	0.00	0.00	1358.85	15	0.00	0.00	0.00	0.00	0.00	1114.77	15	0.00	0.00	0.00	0.00	0.00	13.83
16	0.00	0.00	0.00	0.00	0.00	1358.85	16	0.00	0.00	0.00	0.00	0.00	1114.77	16	0.00	0.00	0.00	0.00	0.00	13.83
17	0.00	0.00	0.00	0.00	0.03	1358.82	17	0.00	0.00	0.00	0.00	0.03	1114.74	17	0.00	0.00	0.00	0.00	0.00	13.83
18	0.00	0.00	0.00	0.00	0.15	1358.67	18	0.00	0.00	0.00	0.00	0.13	1114.61	18	0.00	0.00	0.00	0.00	0.00	13.83
19	0.00	0.00	0.00	0.00	0.43	1358.24	19	0.00	0.00	0.00	0.00	0.36	1114.25	19	0.00	0.00	0.00	0.00	0.00	13.83
20	0.00	0.00	0.00	0.00	0.61	1357.63	20	0.00	0.00	0.00	0.00	0.50	1113.75	20	0.00	0.00	0.00	0.00	0.01	13.82
21	0.00	0.00	0.00	0.00	0.61	1357.02	21	0.00	0.00	0.00	0.00	0.50	1113.25	21	0.00	0.00	0.00	0.00	0.01	13.81
22	0.00	0.00	0.00	0.00	0.03	1356.99	22	0.00	0.00	0.00	0.00	0.03	1113.22	22	0.00	0.00	0.00	0.00	0.00	13.81
23	0.00	0.00	0.00	0.00	0.01	1356.98	23	0.00	0.00	0.00	0.00	0.01	1113.21	23	0.00	0.00	0.00	0.00	0.00	13.81
24	0.00	0.00	0.00	0.00	0.06	1356.92	24	0.00	0.00	0.00	0.00	0.05	1113.16	24	0.00	0.00	0.00	0.00	0.00	13.81
25	0.00	0.00	0.00	0.00	0.06	1356.86	25	0.00	0.00	0.00	0.00	0.05	1113.11	25	0.00	0.00	0.00	0.00	0.00	13.81
26	0.00	0.00	0.00	0.00	0.06	1356.80	26	0.00	0.00	0.00	0.00	0.05	1113.06	26	0.00	0.00	0.00	0.00	0.00	13.81
27	0.00	0.00	0.00	0.00	0.09	1356.71	27	0.00	0.00	0.00	0.00	0.07								



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

March 25, 2023

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Ms. Stephanie Gonzales
Recording Secretary
Arkansas River Compact Administration
P.O. Box 1106
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for February 2023

Dear Mr. Lewis and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended April 30, 1998** (“Resolution”). This letter reports the monthly pumping in excess of Colorado’s pre-Compact entitlement, Colorado’s monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of February, 2023.

Table 1 shows the amount of pumping during the month of January 2023 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** (“Rules”) approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that no replacements were made to senior surface water rights in Colorado in Reaches 11, 12, 13, 14, 15 and 16 caused by pumping affecting those reaches since there was not a call by a Colorado surface water right in those reaches in February 2023.



The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

There were no deliveries to the Offset Account in February 2023.

There were unreplaced depletions at the stateline totaling 1,140.16 acre-feet after balancing the February accounting. These depletions will be replaced by a transfer of water into the Kansas Consumable Subaccount after proper notice is provided to Kansas pursuant to Paragraph 5 of the Resolution.

As of February 28, 2023, a total of 1,450.77 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of February 2023 is attached in Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Bethany Arnold, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

cc: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Rachel Zancanella
Noah Friesen
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
February 2023

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	2.29	0.95
2	BOOTH ORCHARD	0	0
3	EXCELSIOR	0	0
4	COLLIER	0	0
5	COLORADO	0	0
6	ROCKY FORD HIGHLINE	9.83	4.91
7	OXFORD	3.59	2.86
8	OTERO	0	0
9	CATLIN	0	0
10	FORT LYON US	54.24	27.96
11	ROCKY FORD	0	0
12	HOLBROOK	26.08	9.39
13	LAS ANIMAS CONSOLIDATED	0	0
14	BALDWIN-STUBBS	0.04	0.03
15	FORT BENT	5.28	1.9
17	AMITY	4.72	3.03
18	LAMAR/MANVEL	0	0
19	HYDE	0	0
20	FORT LYON DS	5.74	2.57
21	XY GRAHAM	0	0
22	BUFFALO	0.1	0.04
24	STATELINE SOLE SOURCE	3.86	2.5
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	0	0
	Totals	115.77	56.14

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
February 2023

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
0.00	1.90	0.00	3.03	0.00	0.00	2.25	0.00	0.04	0.00	2.50	9.72

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
February 2023

REACH NUMBER	11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month	0	0	0	0	0	0	0	0	0	0	
Remaining Depletion	13.56	25.98	90.17	74.10	31.53	54.32	122.27	320.26	23.32	755.51	
Depletion to Usable SL Flow	4.73	9.07	31.47	25.86	11.00	18.96	42.67	111.77	8.14	263.67	
Replacements											Credit to Next Month
FRY-ARK Return Flows	0	0.00	0.00	0.00	0.00					0.00	0
Fort Lyon Aug Station/Recharge	0	0.00	0.00	0.00	0.00					0.00	0
CO Beef - Lamar Center Farm	0			0.00						0.00	0
Lamar Center Farm	0	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0
Lamar Granada East/West								0.00		0.00	0.00
Ft Bent Ditch Shares	0									0.00	0
Stubbs Direct Flow	0									0.00	0
XY Direct Flow	0	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0
Manvel Direct Flow	0									0.00	0
Offset Account Release Credit	-616.10								239.35	239.35	-1140.16
Offset Account Transit Loss	0	0.00		0.00			0.00			0.00	0
Offset Account Water	0	0								0.00	0
Total Replacements	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	239.35	239.35	
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 284.71 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline. This resulted in 1,140.16 acre-feet of depletions at the state line and no remaining Offset Credits to offset that balance. This will be remedied by transferring water into the Kansas Consumable Subaccount after proper notification is provided if the H-I Model update for 2022 results in a deficit or in an insufficient amount of

Enclosure 1

John Martin Offset Accounting for February 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1465.13							181.72							0.00
1	0.00	0.00	0.00	0.00	0.00	1465.13	1	0.00	0.00	0.00	0.00	0.00	181.72	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	1465.13	2	0.00	0.00	0.00	0.00	0.00	181.72	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	1465.13	3	0.00	0.00	0.00	0.00	0.00	181.72	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	1465.13	4	0.00	0.00	0.00	0.00	0.00	181.72	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	1465.13	5	0.00	0.00	0.00	0.00	0.00	181.72	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	1465.13	6	0.00	0.00	0.00	0.00	0.00	181.72	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	1465.13	7	0.00	0.00	0.00	0.00	0.00	181.72	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	1465.13	8	0.00	0.00	0.00	0.00	0.00	181.72	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	1465.13	9	0.00	0.00	0.00	0.00	0.00	181.72	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.04	1465.09	10	0.00	0.00	0.00	0.00	0.00	181.72	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.04	1465.05	11	0.00	0.00	0.00	0.00	0.00	181.72	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.04	1465.01	12	0.00	0.00	0.00	0.00	0.00	181.72	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.04	1464.97	13	0.00	0.00	0.00	0.00	0.00	181.72	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.11	1464.86	14	0.00	0.00	0.00	0.00	0.02	181.70	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.61	1464.25	15	0.00	0.00	0.00	0.00	0.09	181.61	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.01	1463.24	16	0.00	0.00	0.00	0.00	0.15	181.46	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.01	1462.23	17	0.00	0.00	0.00	0.00	0.15	181.31	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.01	1461.22	18	0.00	0.00	0.00	0.00	0.15	181.16	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.01	1460.21	19	0.00	0.00	0.00	0.00	0.15	181.01	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.00	1459.21	20	0.00	0.00	0.00	0.00	0.15	180.86	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.00	1458.21	21	0.00	0.00	0.00	0.00	0.15	180.71	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.99	1457.22	22	0.00	0.00	0.00	0.00	0.15	180.56	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.98	1456.24	23	0.00	0.00	0.00	0.00	0.15	180.41	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.98	1455.26	24	0.00	0.00	0.00	0.00	0.15	180.26	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.98	1454.28	25	0.00	0.00	0.00	0.00	0.15	180.11	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.98	1453.30	26	0.00	0.00	0.00	0.00	0.15	179.96	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.98	1452.32	27	0.00	0.00	0.00	0.00	0.15	179.81	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.55	1450.77	28	0.00	0.00	0.00	0.00	0.23	179.58	28	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	14.36			0.00	0.00	0.00	0.00	2.14			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1308.41							1112.88							13.81
1	0.00	0.00	0.00	0.00	0.00	1308.41	1	0.00	0.00	0.00	0.00	0.00	1112.88	1	0.00	0.00	0.00	0.00	0.00	13.81
2	0.00	0.00	0.00	0.00	0.00	1308.41	2	0.00	0.00	0.00	0.00	0.00	1112.88	2	0.00	0.00	0.00	0.00	0.00	13.81
3	0.00	0.00	0.00	0.00	0.00	1308.41	3	0.00	0.00	0.00	0.00	0.00	1112.88	3	0.00	0.00	0.00	0.00	0.00	13.81
4	0.00	0.00	0.00	0.00	0.00	1308.41	4	0.00	0.00	0.00	0.00	0.00	1112.88	4	0.00	0.00	0.00	0.00	0.00	13.81
5	0.00	0.00	0.00	0.00	0.00	1308.41	5	0.00	0.00	0.00	0.00	0.00	1112.88	5	0.00	0.00	0.00	0.00	0.00	13.81
6	0.00	0.00	0.00	0.00	0.00	1308.41	6	0.00	0.00	0.00	0.00	0.00	1112.88	6	0.00	0.00	0.00	0.00	0.00	13.81
7	0.00	0.00	0.00	0.00	0.00	1308.41	7	0.00	0.00	0.00	0.00	0.00	1112.88	7	0.00	0.00	0.00	0.00	0.00	13.81
8	0.00	0.00	0.00	0.00	0.00	1308.41	8	0.00	0.00	0.00	0.00	0.00	1112.88	8	0.00	0.00	0.00	0.00	0.00	13.81
9	0.00	0.00	0.00	0.00	0.00	1308.41	9	0.00	0.00	0.00	0.00	0.00	1112.88	9	0.00	0.00	0.00	0.00	0.00	13.81
10	0.00	0.00	0.00	0.00	0.04	1308.37	10	0.00	0.00	0.00	0.00	0.04	1112.84	10	0.00	0.00	0.00	0.00	0.00	13.81
11	0.00	0.00	0.00	0.00	0.04	1308.33	11	0.00	0.00	0.00	0.00	0.04	1112.80	11	0.00	0.00	0.00	0.00	0.00	13.81
12	0.00	0.00	0.00	0.00	0.04	1308.29	12	0.00	0.00	0.00	0.00	0.04	1112.76	12	0.00	0.00	0.00	0.00	0.00	13.81
13	0.00	0.00	0.00	0.00	0.04	1308.25	13	0.00	0.00	0.00	0.00	0.04	1112.72	13	0.00	0.00	0.00	0.00	0.00	13.81
14	0.00	0.00	0.00	0.00	0.10	1308.15	14	0.00	0.00	0.00	0.00	0.08	1112.64	14	0.00	0.00	0.00	0.00	0.00	13.81
15	0.00	0.00	0.00	0.00	0.55	1307.60	15	0.00	0.00	0.00	0.00	0.45	1112.19	15	0.00	0.00	0.00	0.00	0.01	13.80
16	0.00	0.00	0.00	0.00	0.90	1306.70	16	0.00	0.00	0.00	0.00	0.74	1111.45	16	0.00	0.00	0.00	0.00	0.01	13.79
17	0.00	0.00	0.00	0.00	0.90	1305.80	17	0.00	0.00	0.00	0.00	0.74	1110.71	17	0.00	0.00	0.00	0.00	0.01	13.78
18	0.00	0.00	0.00	0.00	0.90	1304.90	18	0.00	0.00	0.00	0.00	0.74	1109.97	18	0.00	0.00	0.00	0.00	0.01	13.77
19	0.00	0.00	0.00	0.00	0.90	1304.00	19	0.00	0.00	0.00	0.00	0.74	1109.23	19	0.00	0.00	0.00	0.00	0.01	13.76
20	0.00	0.00	0.00	0.00	0.89	1303.11	20	0.00	0.00	0.00	0.00	0.73	1108.50	20	0.00	0.00	0.00	0.00	0.01	13.75
21	0.00	0.00	0.00	0.00	0.89	1302.22	21	0.00	0.00	0.00	0.00	0.73	1107.77	21	0.00	0.00	0.00	0.00	0.01	13.74
22	0.00	0.00	0.00	0.00	0.89	1301.33	22	0.00	0.00	0.00	0.00	0.73	1107.04	22	0.00	0.00	0.00	0.00	0.01	13.73
23	0.00	0.00	0.00	0.00	0.88	1300.45	23	0.00	0.00	0.00	0.00	0.72	1106.32	23	0.00	0.00	0.00	0.00	0.01	13.72
24	0.00	0.00	0.00	0.00	0.88	1299.57	24	0.00	0.00	0.00	0.00	0.72	1105.60	24	0.00	0.00	0.00	0.00	0.01	13.71
25	0.00	0.00	0.00	0.00	0.88	1298.69	25	0.00	0.00	0.00	0.00	0.72	1104.88	25	0.00	0.00	0.00	0.00	0.01	13.70
26	0.00	0.00	0.00	0.00	0.88	1297.81	26	0.00	0.00	0.00	0.00	0.72	1104.16	26	0.00	0.00	0.00	0.00	0.01	13.69
27	0.00	0.00	0.00	0.00	0.88	1296.93	27	0.00	0.00	0.00	0.00	0.72	1103.44	27	0.00	0.00	0.00	0.00	0.01	13.68
28	0.00	0.00	0.00	0.00	1.39	1295.54	28	0.00	0.00	0.00	0.00	1.15	1102.29	28	0.00	0.00	0.00	0.00	0.01	13.67
	0.00	0.00	0.00	0.00	12.87			0.00	0.00	0.00	0.00	10.59			0.00	0.00	0.00	0.00	0.14	

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						156.72							57.52							2.73
1	0.00	0.00	0.00	0.00	0.00	156.72	1	0.00	0.00	0.00	0.00	0.00	57.52	1	0.00	0.00	0.00	0.00	0.00	2.73
2	0.00	0.00	0.00	0.00	0.00	156.72	2	0.00	0.00	0.00	0.00	0.00	57.52	2	0.00	0.00	0.00	0.00	0.00	2.73
3	0.00	0.00	0.00	0.00	0.00	156.72	3	0.00	0.00	0.00	0.00	0.00	57.52	3	0.00	0.00	0.00	0.00	0.00	2.73
4	0.00	0.00	0.00	0.00	0.00	156.72	4	0.00	0.00	0.00	0.00	0.00	57.52	4	0.00	0.00	0.00	0.00	0.00	2.73
5	0.00	0.00	0.00	0.00	0.00	156.72	5	0.00	0.00	0.00	0.00	0.00	57.52	5	0.00	0.00	0.00	0.00	0.00	2.73
6	0.00	0.00	0.00	0.00	0.00	156.72	6	0.00	0.00	0.00	0.00	0.00	57.52	6	0.00	0.00	0.00	0.00	0.00	2.73
7	0.00	0.00	0.00	0.00	0.00	156.72	7	0.00	0.00	0.00	0.00	0.00	57.52	7	0.00	0.00	0.00	0.00	0.00	2.73
8	0.00	0.00	0.00	0.00	0.00	156.72	8	0.00	0.00	0.00	0.00	0.00	57.52	8	0.00	0.00	0.00	0.00	0.00	2.73
9	0.00	0.00	0.00	0.00	0.00	156.72	9	0.00	0.00	0.00	0.00	0.00	57.52	9	0.00	0.00	0.00	0.00	0.00	2.73
10	0.00	0.00	0.00	0.00	0.00	156.72	10	0.00	0.00	0.00	0.00	0.00	57.52	10	0.00	0.00	0.00	0.00	0.00	2.73
11	0.00	0.00	0.00	0.00	0.00	156.72	11	0.00	0.00	0.00	0.00	0.00	57.52	11	0.00	0.00	0.00	0.00	0.00	2.73
12	0.00	0.00	0.00	0.00	0.00	156.72	12	0.00	0.00	0.00	0.00	0.00	57.52	12	0.00	0.00	0.00	0.00	0.00	2.73
13	0.00	0.00	0.00	0.00	0.00	156.72	13	0.00	0.00	0.00	0.00	0.00	57.52	13	0.00	0.00	0.00	0.00	0.00	2.73
14	0.00	0.00	0.00	0.00	0.01	156.71	14	0.00	0.00	0.00	0.00	0.00	57.52	14	0.00	0.00	0.00	0.00	0.00	2.73
15	0.00	0.00	0.00	0.00	0.06	156.65	15	0.00	0.00	0.00	0.00	0.02	57.50	15	0.00	0.00	0.00	0.00	0.00	2.73
16	0.00	0.00	0.00	0.00	0.11	156.54	16	0.00	0.00	0.00	0.00	0.04	57.46	16	0.00	0.00	0.00	0.00	0.00	2.73
17	0.00	0.00	0.00	0.00	0.11	156.43	17	0.00	0.00	0.00	0.00	0.04	57.42	17	0.00	0.00	0.00	0.00	0.00	2.73
18	0.00	0.00	0.00	0.00	0.11	156.32	18	0.00	0.00	0.00	0.00	0.04	57.38	18	0.00	0.00	0.00	0.00	0.00	2.73
19	0.00	0.00	0.00	0.00	0.11	156.21	19	0.00	0.00	0.00	0.00	0.04	57.34	19	0.00	0.00	0.00	0.00	0.00	2.73
20	0.00	0.00	0.00	0.00	0.11	156.10	20	0.00	0.00	0.00	0.00	0.04	57.30	20	0.00	0.00	0.00	0.00	0.00	2.73
21	0.00	0.00	0.00	0.00	0.11	155.99	21	0.00	0.00	0.00	0.00	0.04	57.26	21	0.00	0.00	0.00	0.00	0.00	2.73
22	0.00	0.00	0.00	0.00	0.10	155.89	22	0.00	0.00	0.00	0.00	0.04	57.22	22	0.00	0.00	0.00	0.00	0.00	2.73
23	0.00	0.00	0.00	0.00	0.10	155.79	23	0.00	0.00	0.00	0.00	0.04	57.18	23	0.00	0.00	0.00	0.00	0.00	2.73
24	0.00	0.00	0.00	0.00	0.10	155.69	24	0.00	0.00	0.00	0.00	0.04	57.14	24	0.00	0.00	0.00	0.00	0.00	2.73
25	0.00	0.00	0.00	0.00	0.10	155.59	25	0.00	0.00	0.00	0.00	0.04	57.10	25	0.00	0.00	0.00	0.00	0.00	2.73
26	0.00	0.00	0.00	0.00	0.10	155.49	26	0.00	0.00	0.00	0.00	0.04	57.06	26	0.00	0.00	0.00	0.00	0.00	2.73
27	0.00	0.00	0.00	0.00	0.10	155.39	27	0.00	0.00	0.00	0.00	0.04	57.02	27	0.00	0.00	0.00	0.00	0.00	2.73
28	0.00	0.00	0.00	0.00	0.16	155.23	28	0.00	0.00	0.00	0.00	0.06	56.96	28	0.00	0.00	0.00	0.00	0.00	2.73
	0.00	0.00	0.00	0.00	1.49			0.00	0.00	0.00	0.00	0.56			0.00	0.00	0.00	0.00	0.00	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						99.20							117.80							61.19
1	0.00	0.00	0.00	0.00	0.00	99.20	1	0.00	0.00	0.00	0.00	0.00	117.80	1	0.00	0.00	0.00	0.00	0.00	61.19
2	0.00	0.00	0.00	0.00	0.00	99.20	2	0.00	0.00	0.00	0.00	0.00	117.80	2	0.00	0.00	0.00	0.00	0.00	61.19
3	0.00	0.00	0.00	0.00	0.00	99.20	3	0.00	0.00	0.00	0.00	0.00	117.80	3	0.00	0.00	0.00	0.00	0.00	61.19
4	0.00	0.00	0.00	0.00	0.00	99.20	4	0.00	0.00	0.00	0.00	0.00	117.80	4	0.00	0.00	0.00	0.00	0.00	61.19
5	0.00	0.00	0.00	0.00	0.00	99.20	5	0.00	0.00	0.00	0.00	0.00	117.80	5	0.00	0.00	0.00	0.00	0.00	61.19
6	0.00	0.00	0.00	0.00	0.00	99.20	6	0.00	0.00	0.00	0.00	0.00	117.80	6	0.00	0.00	0.00	0.00	0.00	61.19
7	0.00	0.00	0.00	0.00	0.00	99.20	7	0.00	0.00	0.00	0.00	0.00	117.80	7	0.00	0.00	0.00	0.00	0.00	61.19
8	0.00	0.00	0.00	0.00	0.00	99.20	8	0.00	0.00	0.00	0.00	0.00	117.80	8	0.00	0.00	0.00	0.00	0.00	61.19
9	0.00	0.00	0.00	0.00	0.00	99.20	9	0.00	0.00	0.00	0.00	0.00	117.80	9	0.00	0.00	0.00	0.00	0.00	61.19
10	0.00	0.00	0.00	0.00	0.00	99.20	10	0.00	0.00	0.00	0.00	0.00	117.80	10	0.00	0.00	0.00	0.00	0.00	61.19
11	0.00	0.00	0.00	0.00	0.00	99.20	11	0.00	0.00	0.00	0.00	0.00	117.80	11	0.00	0.00	0.00	0.00	0.00	61.19
12	0.00	0.00	0.00	0.00	0.00	99.20	12	0.00	0.00	0.00	0.00	0.00	117.80	12	0.00	0.00	0.00	0.00	0.00	61.19
13	0.00	0.00	0.00	0.00	0.00	99.20	13	0.00	0.00	0.00	0.00	0.00	117.80	13	0.00	0.00	0.00	0.00	0.00	61.19
14	0.00	0.00	0.00	0.00	0.01	99.19	14	0.00	0.00	0.00	0.00	0.01	117.79	14	0.00	0.00	0.00	0.00	0.01	61.18
15	0.00	0.00	0.00	0.00	0.04	99.15	15	0.00	0.00	0.00	0.00	0.05	117.74	15	0.00	0.00	0.00	0.00	0.04	61.14
16	0.00	0.00	0.00	0.00	0.07	99.08	16	0.00	0.00	0.00	0.00	0.08	117.66	16	0.00	0.00	0.00	0.00	0.07	61.07
17	0.00	0.00	0.00	0.00	0.07	99.01	17	0.00	0.00	0.00	0.00	0.08	117.58	17	0.00	0.00	0.00	0.00	0.07	61.00
18	0.00	0.00	0.00	0.00	0.07	98.94	18	0.00	0.00	0.00	0.00	0.08	117.50	18	0.00	0.00	0.00	0.00	0.07	60.93
19	0.00	0.00	0.00	0.00	0.07	98.87	19	0.00	0.00	0.00	0.00	0.08	117.42	19	0.00	0.00	0.00	0.00	0.07	60.86
20	0.00	0.00	0.00	0.00	0.07	98.80	20	0.00	0.00	0.00	0.00	0.08	117.34	20	0.00	0.00	0.00	0.00	0.07	60.79
21	0.00	0.00	0.00	0.00	0.07	98.73	21	0.00	0.00	0.00	0.00	0.08	117.26	21	0.00	0.00	0.00	0.00	0.07	60.72
22	0.00	0.00	0.00	0.00	0.06	98.67	22	0.00	0.00	0.00	0.00	0.08	117.18	22	0.00	0.00	0.00	0.00	0.07	60.65
23	0.00	0.00	0.00	0.00	0.06	98.61	23	0.00	0.00	0.00	0.00	0.08	117.10	23	0.00	0.00	0.00	0.00	0.07	60.58
24	0.00	0.00	0.00	0.00	0.06	98.55	24	0.00	0.00	0.00	0.00	0.08	117.02	24	0.00	0.00	0.00	0.00	0.07	60.51
25	0.00	0.00	0.00	0.00	0.06	98.49	25	0.00	0.00	0.00	0.00	0.08	116.94	25	0.00	0.00	0.00	0.00	0.07	60.44
26	0.00	0.00	0.00	0.00	0.06	98.43	26	0.00	0.00	0.00	0.00	0.08	116.86	26	0.00	0.00	0.00	0.00	0.07	60.37
27	0.00	0.00	0.00	0.00	0.06	98.37	27	0.00	0.00	0.00	0.00	0.08	116.78	27	0.00	0.00	0.00	0.00	0.07	60.30
28	0.00	0.00	0.00	0.00	0.10	98.27	28	0.00	0.00	0.00	0.00	0.12	116.66	28	0.00	0.00	0.00	0.00	0.11	60.19
	0.00	0.00	0.00	0.00	0.93			0.00	0.00	0.00	0.00	1.14			0.00	0.00	0.00	0.00	1.00	



September 5, 2023

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Ms. Stephanie Gonzales
Recording Secretary
Arkansas River Compact Administration
P.O. Box 1106
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for March 2023

Dear Mr. Lewis and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended April 30, 1998** (“Resolution”). This letter reports the monthly pumping in excess of Colorado’s pre-Compact entitlement, Colorado’s monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of March, 2023.

Table 1 shows the amount of pumping during the month of March 2023 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** (“Rules”) approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.



These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that no replacements were made to senior surface water rights in Colorado in Reaches 11, 12, 13, 14, 15 and 16 caused by pumping affecting those reaches since there was not a call by a Colorado surface water right in those reaches in March 2023.

The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

Lower Arkansas Water Management Association (LAWMA) delivered 45.04 acre-feet of Fort Lyon Canal shares to the Consumable Downstream Subaccount. The amount delivered into the Offset Account in March 2023 totaled 45.04 acre-feet.

Prior to the States agreeing on a 2022 HI Model update, LAWMA transferred 1016.64 acre-feet to the Kansas Consumable account on March 4, 2023 to replace unreplaced depletions at the stateline for October and November 2022. Proper notice sent to Kansas on February 2, 2023 pursuant to Paragraph 5 of the Resolution. Full details of this transaction were provided in a final notice letter dated March 25, 2023.

On March 24, 2022 624.59 acre-feet was transferred by LAWMA into the Offset Account of which 429.06 acre-feet was transferred into the Kansas Consumable Charge account to partially satisfy the storage charge to initiate the use of the account for 2023 pursuant to paragraph 9 of the Resolution. On March 25, 2023 58.44 acre-feet was transferred out of the Catlin Augmentation Association (CAA) Upstream Consumable subaccount into the Arkansas Groundwater and Reservoir Association (AGRA) Upstream Consumable subaccount. On March 26, 2023 AGRA transferred 61.11 acre-feet from the AGRA Upstream Consumable subaccount to the LAWMA Upstream Consumable subaccount. On March 31, 2023 63.43 acre-feet were transferred from the LAWMA Upstream Consumable subaccount to the Kansas Charge subaccount to fully satisfy the 500 acre-foot storage charge. Full details of these transactions were provided in a final notice letter dated June 2, 2023.

As of March 31, 2023, a total of 2069.63 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of March 2023 is attached in Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Bethany Arnold, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Rachel Zancanella
Noah Friesen
Kelley Thompson
Christine Sednek

TABLE 1
Pumping By Rule 3 Irrigation Wells
March 2023

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	533.85	232.86
2	BOOTH ORCHARD	0	0
3	EXCELSIOR	0	0
4	COLLIER	10.93	3.93
5	COLORADO	144.76	79.89
6	ROCKY FORD HIGHLINE	184.8	72.84
7	OXFORD	172.18	63.4
8	OTERO	11.37	4.09
9	CATLIN	724.89	278.33
10	FORT LYON US	576.73	278.9
11	ROCKY FORD	0.61	0.31
12	HOLBROOK	170.42	65.11
13	LAS ANIMAS CONSOLIDATED	74.64	37.33
14	BALDWIN-STUBBS	22.71	11.37
15	FORT BENT	42.2	19.67
17	AMITY	602.26	267.62
18	LAMAR/MANVEL	169.47	85.28
19	HYDE	3.76	2.82
20	FORT LYON DS	451.37	266.79
21	XY GRAHAM	40.86	20.43
22	BUFFALO	35.12	14.04
24	STATELINE SOLE SOURCE	408.96	298.37
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	13.33	10
	Totals	4395.22	2113.38

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
March 2023

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
23.35	19.68	0.00	267.62	85.28	2.82	266.87	0.00	14.04	0.00	298.37	978.03

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
March 2023

REACH NUMBER	11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month	0	0	0	0	0	0	0	0	0	0	
Remaining Depletion	14.71	28.79	101.41	78.20	30.28	50.97	119.19	327.72	19.30	770.57	
Depletion to Usable SL Flow	5.13	10.05	35.39	27.29	10.57	17.79	41.60	114.37	6.74	268.93	
Replacements											Credit to Next Month
FRY-ARK Return Flows	0.00	0.00	0.00	0.00	0.00					0.00	0.00
Fort Lyon Aug Station/Recharge	0.00	0.00	0.00	0.00	0.00					0.00	0.00
CO Beef - Lamar Center Farm	0.00			0.00						0.00	0.00
Lamar Center Farm	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00
Lamar Granada East/West								0.00		0.00	0.00
Ft Bent Ditch Shares	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stubbs Direct Flow	0.00							0.00		0.00	0.00
XY Direct Flow	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00
Manvel Direct Flow	0.00									0.00	0.00
Offset Account Release Credit	-1167.14								247.19	247.19	-1680.29
Offset Account Transit Loss	0.00	0.00		0.00			0.00			0.00	0.00
Offset Account Water	0.00	0								0.00	0.00
Total Replacements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	247.19	247.19	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 265.96 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline. This resulted in 1,680.29 acre-feet of depletions at the state line and no remaining Offset Credits to offset that balance. This was remedied by transferring water into the Kansas Consumable subaccount on July 1, 2023 following an Offset Credit reset on January 1, 2023 following a shortfall in the 2022 HI Model Update.

Enclosure 1

John Martin Offset Accounting for March 2023

Offset Account

March 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1450.77							179.58							0.00
1	0.00	0.00	0.00	0.00	1.50	1449.27	1	0.00	0.00	0.00	0.00	0.18	179.40	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.49	1447.78	2	0.00	0.00	0.00	0.00	0.18	179.22	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.49	1446.29	3	0.00	0.00	0.00	0.00	0.18	179.04	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	1016.64	1016.64	0.00	1.49	1444.80	4	0.00	0.00	0.00	0.00	0.18	178.86	4	0.00	1016.64	0.00	0.00	0.00	1016.64
5	0.00	0.00	0.00	0.00	1.48	1443.32	5	0.00	0.00	0.00	0.00	0.18	178.68	5	0.00	0.00	0.00	0.00	1.05	1015.59
6	0.00	0.00	0.00	0.00	1.48	1441.84	6	0.00	0.00	0.00	0.00	0.18	178.50	6	0.00	0.00	0.00	0.00	1.05	1014.54
7	0.00	0.00	0.00	0.00	1.47	1440.37	7	0.00	0.00	0.00	0.00	0.18	178.32	7	0.00	0.00	0.00	0.00	1.04	1013.50
8	0.00	0.00	0.00	0.00	1.47	1438.90	8	0.00	0.00	0.00	0.00	0.18	178.14	8	0.00	0.00	0.00	0.00	1.04	1012.46
9	0.00	0.00	0.00	0.00	1.47	1437.43	9	0.00	0.00	0.00	0.00	0.18	177.96	9	0.00	0.00	0.00	0.00	1.04	1011.42
10	0.00	0.00	0.00	0.00	1.46	1435.97	10	0.00	0.00	0.00	0.00	0.18	177.78	10	0.00	0.00	0.00	0.00	1.03	1010.39
11	0.00	0.00	0.00	0.00	1.46	1434.51	11	0.00	0.00	0.00	0.00	0.18	177.60	11	0.00	0.00	0.00	0.00	1.03	1009.36
12	0.00	0.00	0.00	0.00	1.46	1433.05	12	0.00	0.00	0.00	0.00	0.18	177.42	12	0.00	0.00	0.00	0.00	1.03	1008.33
13	0.00	0.00	0.00	0.00	1.45	1431.60	13	0.00	0.00	0.00	0.00	0.18	177.24	13	0.00	0.00	0.00	0.00	1.02	1007.31
14	0.00	0.00	0.00	0.00	1.45	1430.15	14	0.00	0.00	0.00	0.00	0.18	177.06	14	0.00	0.00	0.00	0.00	1.02	1006.29
15	0.00	0.00	0.00	0.00	1.45	1428.70	15	0.00	0.00	0.00	0.00	0.18	176.88	15	0.00	0.00	0.00	0.00	1.02	1005.27
16	0.00	0.00	0.00	0.00	1.44	1427.26	16	0.00	0.00	0.00	0.00	0.18	176.70	16	0.00	0.00	0.00	0.00	1.01	1004.26
17	0.00	0.00	0.00	0.00	1.44	1425.82	17	0.00	0.00	0.00	0.00	0.18	176.52	17	0.00	0.00	0.00	0.00	1.01	1003.25
18	0.00	0.00	0.00	0.00	1.44	1424.38	18	0.00	0.00	0.00	0.00	0.18	176.34	18	0.00	0.00	0.00	0.00	1.01	1002.24
19	0.00	0.00	0.00	0.00	1.44	1422.94	19	0.00	0.00	0.00	0.00	0.18	176.16	19	0.00	0.00	0.00	0.00	1.01	1001.23
20	0.00	0.00	0.00	0.00	1.43	1421.51	20	0.00	0.00	0.00	0.00	0.17	175.99	20	0.00	0.00	0.00	0.00	1.01	1000.22
21	0.00	0.00	0.00	0.00	1.42	1420.09	21	0.00	0.00	0.00	0.00	0.17	175.82	21	0.00	0.00	0.00	0.00	1.00	999.22
22	0.00	0.00	0.00	0.00	1.42	1418.67	22	0.00	0.00	0.00	0.00	0.17	175.65	22	0.00	0.00	0.00	0.00	1.00	998.22
23	0.00	0.00	0.00	0.00	1.42	1417.25	23	0.00	0.00	0.00	0.00	0.17	175.48	23	0.00	0.00	0.00	0.00	1.00	997.22
24	0.00	624.59	0.00	0.00	1.42	2040.42	24	0.00	0.00	0.00	0.00	0.17	175.31	24	0.00	0.00	0.00	0.00	1.00	996.22
25	0.00	58.44	58.44	0.00	2.03	2038.39	25	0.00	58.44	58.44	0.00	0.17	175.14	25	0.00	0.00	0.00	0.00	1.00	995.22
26	0.00	61.11	61.11	0.00	2.02	2036.37	26	0.00	61.11	61.11	0.00	0.17	174.97	26	0.00	0.00	0.00	0.00	0.99	994.23
27	0.00	0.00	0.00	0.00	2.02	2034.35	27	0.00	0.00	0.00	0.00	0.17	174.80	27	0.00	0.00	0.00	0.00	0.99	993.24
28	0.00	0.00	0.00	0.00	2.02	2032.33	28	0.00	0.00	0.00	0.00	0.17	174.63	28	0.00	0.00	0.00	0.00	0.99	992.25
29	6.51	0.00	0.00	0.00	2.02	2036.82	29	0.00	0.00	0.00	0.00	0.17	174.46	29	0.00	0.00	0.00	0.00	0.99	991.26
30	18.63	0.00	0.00	0.00	2.03	2053.42	30	0.00	0.00	0.00	0.00	0.17	174.29	30	0.00	0.00	0.00	0.00	0.99	990.27
31	19.90	63.43	63.43	0.00	3.69	2069.63	31	0.00	0.00	63.43	0.00	0.31	110.55	31	0.00	0.00	0.00	0.00	1.78	988.49
	45.04	1824.21	1199.62	0.00	50.77			0.00	119.55	182.98	0.00	5.60			0.00	1016.64	0.00	0.00	28.15	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1295.54							1102.29							13.67
1	0.00	0.00	0.00	0.00	1.34	1294.20	1	0.00	0.00	0.00	0.00	1.15	1101.14	1	0.00	0.00	0.00	0.00	0.01	13.66
2	0.00	0.00	0.00	0.00	1.33	1292.87	2	0.00	0.00	0.00	0.00	1.14	1100.00	2	0.00	0.00	0.00	0.00	0.01	13.65
3	0.00	0.00	0.00	0.00	1.33	1291.54	3	0.00	0.00	0.00	0.00	1.14	1098.86	3	0.00	0.00	0.00	0.00	0.01	13.64
4	0.00	1016.64	1016.64	0.00	1.33	1290.21	4	0.00	0.00	1016.64	0.00	1.14	81.08	4	0.00	0.00	0.00	0.00	0.01	13.63
5	0.00	0.00	0.00	0.00	1.32	1288.89	5	0.00	0.00	0.00	0.00	0.08	81.00	5	0.00	0.00	0.00	0.00	0.01	13.62
6	0.00	0.00	0.00	0.00	1.32	1287.57	6	0.00	0.00	0.00	0.00	0.08	80.92	6	0.00	0.00	0.00	0.00	0.01	13.61
7	0.00	0.00	0.00	0.00	1.31	1286.26	7	0.00	0.00	0.00	0.00	0.08	80.84	7	0.00	0.00	0.00	0.00	0.01	13.60
8	0.00	0.00	0.00	0.00	1.31	1284.95	8	0.00	0.00	0.00	0.00	0.08	80.76	8	0.00	0.00	0.00	0.00	0.01	13.59
9	0.00	0.00	0.00	0.00	1.31	1283.64	9	0.00	0.00	0.00	0.00	0.08	80.68	9	0.00	0.00	0.00	0.00	0.01	13.58
10	0.00	0.00	0.00	0.00	1.30	1282.34	10	0.00	0.00	0.00	0.00	0.08	80.60	10	0.00	0.00	0.00	0.00	0.01	13.57
11	0.00	0.00	0.00	0.00	1.30	1281.04	11	0.00	0.00	0.00	0.00	0.08	80.52	11	0.00	0.00	0.00	0.00	0.01	13.56
12	0.00	0.00	0.00	0.00	1.30	1279.74	12	0.00	0.00	0.00	0.00	0.08	80.44	12	0.00	0.00	0.00	0.00	0.01	13.55
13	0.00	0.00	0.00	0.00	1.29	1278.45	13	0.00	0.00	0.00	0.00	0.08	80.36	13	0.00	0.00	0.00	0.00	0.01	13.54
14	0.00	0.00	0.00	0.00	1.29	1277.16	14	0.00	0.00	0.00	0.00	0.08	80.28	14	0.00	0.00	0.00	0.00	0.01	13.53
15	0.00	0.00	0.00	0.00	1.29	1275.87	15	0.00	0.00	0.00	0.00	0.08	80.20	15	0.00	0.00	0.00	0.00	0.01	13.52
16	0.00	0.00	0.00	0.00	1.28	1274.59	16	0.00	0.00	0.00	0.00	0.08	80.12	16	0.00	0.00	0.00	0.00	0.01	13.51
17	0.00	0.00	0.00	0.00	1.28	1273.31	17	0.00	0.00	0.00	0.00	0.08	80.04	17	0.00	0.00	0.00	0.00	0.01	13.50
18	0.00	0.00	0.00	0.00	1.28	1272.03	18	0.00	0.00	0.00	0.00	0.08	79.96	18	0.00	0.00	0.00	0.00	0.01	13.49
19	0.00	0.00	0.00	0.00	1.28	1270.75	19	0.00	0.00	0.00	0.00	0.08	79.88	19	0.00	0.00	0.00	0.00	0.01	13.48
20	0.00	0.00	0.00	0.00	1.27	1269.48	20	0.00	0.00	0.00	0.00	0.08	79.80	20	0.00	0.00	0.00	0.00	0.01	13.47
21	0.00	0.00	0.00	0.00	1.26	1268.22	21	0.00	0.00	0.00	0.00	0.08	79.72	21	0.00	0.00	0.00	0.00	0.01	13.46
22	0.00	0.00	0.00	0.00	1.26	1266.96	22	0.00	0.00	0.00	0.00	0.08	79.64	22	0.00	0.00	0.00	0.00	0.01	13.45
23	0.00	0.00	0.00	0.00	1.26	1265.70	23	0.00	0.00	0.00	0.00	0.08	79.56	23	0.00	0.00	0.00	0.00	0.01	13.44
24	0.00	429.07	0.00	0.00	1.26	1693.51	24	0.00	0.01	0.00	0.00	0.08	79.49	24	0.00	429.06	0.00	0.00	0.01	442.49
25	0.00	58.44	58.44	0.00	1.69	1691.82	25	0.00	0.00	0.00	0.00	0.08	79.41	25	0.00	0.00	0.00	0.00	0.44	442.05
26	0.00	61.11	61.11	0.00	1.68	1690.14	26	0.00	0.00	0.00	0.00	0.08	79.33	26	0.00	0.00	0.00	0.00	0.44	441.61
27	0.00	0.00	0.00																	

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						155.23							56.96							2.73
1	0.00	0.00	0.00	0.00	0.16	155.07	1	0.00	0.00	0.00	0.00	0.06	56.90	1	0.00	0.00	0.00	0.00	0.00	2.73
2	0.00	0.00	0.00	0.00	0.16	154.91	2	0.00	0.00	0.00	0.00	0.06	56.84	2	0.00	0.00	0.00	0.00	0.00	2.73
3	0.00	0.00	0.00	0.00	0.16	154.75	3	0.00	0.00	0.00	0.00	0.06	56.78	3	0.00	0.00	0.00	0.00	0.00	2.73
4	0.00	0.00	0.00	0.00	0.16	154.59	4	0.00	0.00	0.00	0.00	0.06	56.72	4	0.00	0.00	0.00	0.00	0.00	2.73
5	0.00	0.00	0.00	0.00	0.16	154.43	5	0.00	0.00	0.00	0.00	0.06	56.66	5	0.00	0.00	0.00	0.00	0.00	2.73
6	0.00	0.00	0.00	0.00	0.16	154.27	6	0.00	0.00	0.00	0.00	0.06	56.60	6	0.00	0.00	0.00	0.00	0.00	2.73
7	0.00	0.00	0.00	0.00	0.16	154.11	7	0.00	0.00	0.00	0.00	0.06	56.54	7	0.00	0.00	0.00	0.00	0.00	2.73
8	0.00	0.00	0.00	0.00	0.16	153.95	8	0.00	0.00	0.00	0.00	0.06	56.48	8	0.00	0.00	0.00	0.00	0.00	2.73
9	0.00	0.00	0.00	0.00	0.16	153.79	9	0.00	0.00	0.00	0.00	0.06	56.42	9	0.00	0.00	0.00	0.00	0.00	2.73
10	0.00	0.00	0.00	0.00	0.16	153.63	10	0.00	0.00	0.00	0.00	0.06	56.36	10	0.00	0.00	0.00	0.00	0.00	2.73
11	0.00	0.00	0.00	0.00	0.16	153.47	11	0.00	0.00	0.00	0.00	0.06	56.30	11	0.00	0.00	0.00	0.00	0.00	2.73
12	0.00	0.00	0.00	0.00	0.16	153.31	12	0.00	0.00	0.00	0.00	0.06	56.24	12	0.00	0.00	0.00	0.00	0.00	2.73
13	0.00	0.00	0.00	0.00	0.16	153.15	13	0.00	0.00	0.00	0.00	0.06	56.18	13	0.00	0.00	0.00	0.00	0.00	2.73
14	0.00	0.00	0.00	0.00	0.16	152.99	14	0.00	0.00	0.00	0.00	0.06	56.12	14	0.00	0.00	0.00	0.00	0.00	2.73
15	0.00	0.00	0.00	0.00	0.16	152.83	15	0.00	0.00	0.00	0.00	0.06	56.06	15	0.00	0.00	0.00	0.00	0.00	2.73
16	0.00	0.00	0.00	0.00	0.16	152.67	16	0.00	0.00	0.00	0.00	0.06	56.00	16	0.00	0.00	0.00	0.00	0.00	2.73
17	0.00	0.00	0.00	0.00	0.16	152.51	17	0.00	0.00	0.00	0.00	0.06	55.94	17	0.00	0.00	0.00	0.00	0.00	2.73
18	0.00	0.00	0.00	0.00	0.16	152.35	18	0.00	0.00	0.00	0.00	0.06	55.88	18	0.00	0.00	0.00	0.00	0.00	2.73
19	0.00	0.00	0.00	0.00	0.16	152.19	19	0.00	0.00	0.00	0.00	0.06	55.82	19	0.00	0.00	0.00	0.00	0.00	2.73
20	0.00	0.00	0.00	0.00	0.16	152.03	20	0.00	0.00	0.00	0.00	0.06	55.76	20	0.00	0.00	0.00	0.00	0.00	2.73
21	0.00	0.00	0.00	0.00	0.16	151.87	21	0.00	0.00	0.00	0.00	0.06	55.70	21	0.00	0.00	0.00	0.00	0.00	2.73
22	0.00	0.00	0.00	0.00	0.16	151.71	22	0.00	0.00	0.00	0.00	0.06	55.64	22	0.00	0.00	0.00	0.00	0.00	2.73
23	0.00	0.00	0.00	0.00	0.16	151.55	23	0.00	0.00	0.00	0.00	0.06	55.58	23	0.00	0.00	0.00	0.00	0.00	2.73
24	0.00	195.52	0.00	0.00	0.16	346.91	24	0.00	17.79	0.00	0.00	0.06	73.31	24	0.00	0.00	0.00	0.00	0.00	2.73
25	0.00	0.00	0.00	0.00	0.34	346.57	25	0.00	0.00	0.00	0.00	0.07	73.24	25	0.00	58.44	0.00	0.00	0.00	61.17
26	0.00	0.00	0.00	0.00	0.34	346.23	26	0.00	0.00	0.00	0.00	0.07	73.17	26	0.00	0.00	61.11	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.34	345.89	27	0.00	0.00	0.00	0.00	0.07	73.10	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.34	345.55	28	0.00	0.00	0.00	0.00	0.07	73.03	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.34	345.21	29	0.00	0.00	0.00	0.00	0.07	72.96	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.34	344.87	30	0.00	0.00	0.00	0.00	0.07	72.89	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.62	344.25	31	0.00	0.00	0.00	0.00	0.13	72.76	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	195.52	0.00	0.00	6.50			0.00	17.79	0.00	0.00	1.99		0.00	58.44	61.11	0.00	0.00		

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						98.27							116.66							60.19
1	0.00	0.00	0.00	0.00	0.10	98.17	1	0.00	0.00	0.00	0.00	0.12	116.54	1	0.00	0.00	0.00	0.00	0.06	60.13
2	0.00	0.00	0.00	0.00	0.10	98.07	2	0.00	0.00	0.00	0.00	0.12	116.42	2	0.00	0.00	0.00	0.00	0.06	60.07
3	0.00	0.00	0.00	0.00	0.10	97.97	3	0.00	0.00	0.00	0.00	0.12	116.30	3	0.00	0.00	0.00	0.00	0.06	60.01
4	0.00	0.00	0.00	0.00	0.10	97.87	4	0.00	0.00	0.00	0.00	0.12	116.18	4	0.00	0.00	0.00	0.00	0.06	59.95
5	0.00	0.00	0.00	0.00	0.10	97.77	5	0.00	0.00	0.00	0.00	0.12	116.06	5	0.00	0.00	0.00	0.00	0.06	59.89
6	0.00	0.00	0.00	0.00	0.10	97.67	6	0.00	0.00	0.00	0.00	0.12	115.94	6	0.00	0.00	0.00	0.00	0.06	59.83
7	0.00	0.00	0.00	0.00	0.10	97.57	7	0.00	0.00	0.00	0.00	0.12	115.82	7	0.00	0.00	0.00	0.00	0.06	59.77
8	0.00	0.00	0.00	0.00	0.10	97.47	8	0.00	0.00	0.00	0.00	0.12	115.70	8	0.00	0.00	0.00	0.00	0.06	59.71
9	0.00	0.00	0.00	0.00	0.10	97.37	9	0.00	0.00	0.00	0.00	0.12	115.58	9	0.00	0.00	0.00	0.00	0.06	59.65
10	0.00	0.00	0.00	0.00	0.10	97.27	10	0.00	0.00	0.00	0.00	0.12	115.46	10	0.00	0.00	0.00	0.00	0.06	59.59
11	0.00	0.00	0.00	0.00	0.10	97.17	11	0.00	0.00	0.00	0.00	0.12	115.34	11	0.00	0.00	0.00	0.00	0.06	59.53
12	0.00	0.00	0.00	0.00	0.10	97.07	12	0.00	0.00	0.00	0.00	0.12	115.22	12	0.00	0.00	0.00	0.00	0.06	59.47
13	0.00	0.00	0.00	0.00	0.10	96.97	13	0.00	0.00	0.00	0.00	0.12	115.10	13	0.00	0.00	0.00	0.00	0.06	59.41
14	0.00	0.00	0.00	0.00	0.10	96.87	14	0.00	0.00	0.00	0.00	0.12	114.98	14	0.00	0.00	0.00	0.00	0.06	59.35
15	0.00	0.00	0.00	0.00	0.10	96.77	15	0.00	0.00	0.00	0.00	0.12	114.86	15	0.00	0.00	0.00	0.00	0.06	59.29
16	0.00	0.00	0.00	0.00	0.10	96.67	16	0.00	0.00	0.00	0.00	0.12	114.74	16	0.00	0.00	0.00	0.00	0.06	59.23
17	0.00	0.00	0.00	0.00	0.10	96.57	17	0.00	0.00	0.00	0.00	0.12	114.62	17	0.00	0.00	0.00	0.00	0.06	59.17
18	0.00	0.00	0.00	0.00	0.10	96.47	18	0.00	0.00	0.00	0.00	0.12	114.50	18	0.00	0.00	0.00	0.00	0.06	59.11
19	0.00	0.00	0.00	0.00	0.10	96.37	19	0.00	0.00	0.00	0.00	0.12	114.38	19	0.00	0.00	0.00	0.00	0.06	59.05
20	0.00	0.00	0.00	0.00	0.10	96.27	20	0.00	0.00	0.00	0.00	0.11	114.27	20	0.00	0.00	0.00	0.00	0.06	58.99
21	0.00	0.00	0.00	0.00	0.10	96.17	21	0.00	0.00	0.00	0.00	0.11	114.16	21	0.00	0.00	0.00	0.00	0.06	58.93
22	0.00	0.00	0.00	0.00	0.10	96.07	22	0.00	0.00	0.00	0.00	0.11	114.05	22	0.00	0.00	0.00	0.00	0.06	58.87
23	0.00	0.00	0.00	0.00	0.10	95.97	23	0.00	0.00	0.00	0.00	0.11	113.94	23	0.00	0.00	0.00	0.00	0.06	58.81
24	0.00	177.73	0.00	0.00	0.10	273.60	24	0.00	0.00	0.00	0.00	0.11	113.83	24	0.00	0.00	0.00	0.00	0.06	58.75
25	0.00	0.00	0.00	0.00	0.27	273.33	25	0.00	0.00	0.00	0.00	0.11	113.72	25	0.00	0.00	58.44	0.00	0.06	0.25
26	0.00	0.00	0.00	0.00	0.27	273.06	26	0.00	61.11	0.00	0.00	0.11	174.72	26	0.00	0.00	0.00	0.00	0.00	0.25
27	0.00	0.00	0.00	0.00	0.27	272.79	27	0.00	0.00	0.00	0.00	0.17	174.55	27	0.00	0.00	0.00	0.00	0.00	0.25
28	0.00	0.00	0.00	0.00	0.27	272.52	28	0.00	0.00	0.00	0.00	0.17	174.38	28	0.00	0.00	0.00	0.00	0.00	0.25
29	0.00	0.00	0.00	0.00	0.27	272.25	29	0.00	0.00	0.00	0.00	0.17	174.21	29	0.00	0				



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

September 5, 2023

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Ms. Stephanie Gonzales
Recording Secretary
Arkansas River Compact Administration
P.O. Box 1106
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for April 2023

Dear Mr. Lewis and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended April 30, 1998** (“Resolution”). This letter reports the monthly pumping in excess of Colorado’s pre-Compact entitlement, Colorado’s monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of April, 2023.

Table 1 shows the amount of pumping during the month of April 2023 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** (“Rules”) approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13 an amount of 20% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 6 days in April 2023. In Reaches 14, 15 and 16 an amount of 100% of the stream depletions caused by pumping affecting those reaches



were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 30 days in April 2023.

The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

The Lower Arkansas Water Management Association (LAWMA) transferred 18.79 acre-feet of consumable water to the Offset Account on April 24, 2023, from LAWMA's Keesee Article II account.

Lower Arkansas Water Management Association (LAWMA) delivered 141.43 acre-feet of Fort Lyon Canal shares, 143.78 acre-feet of Highland Canal shares, and 40.20 acre-feet of Keesee Ditch shares to the Consumable Downstream Subaccount. The amount delivered into the Offset Account in April 2023 totaled 325.41 acre-feet.

As of April 30, 2023, a total of 2321.89 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of April 2023 is attached in Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Bethany Arnold, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Rachel Zancanella
Noah Friesen
Kelley Thompson
Christine Sednek



TABLE 1
Pumping By Rule 3 Irrigation Wells
April 2023

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	265.34	127.15
2	BOOTH ORCHARD	1.25	0.63
3	EXCELSIOR	123.58	61.8
4	COLLIER	0	0
5	COLORADO	85.41	50.71
6	ROCKY FORD HIGHLINE	97.14	35
7	OXFORD	105.42	50.53
8	OTERO	5.48	1.98
9	CATLIN	685.35	299.68
10	FORT LYON US	528.17	236.41
11	ROCKY FORD	5.03	2.52
12	HOLBROOK	319.07	188.96
13	LAS ANIMAS CONSOLIDATED	13.54	6.78
14	BALDWIN-STUBBS	228.18	128.7
15	FORT BENT	2.21	1.66
17	AMITY	290.76	151.95
18	LAMAR/MANVEL	23.47	10.94
19	HYDE	0	0
20	FORT LYON DS	212.74	113.48
21	XY GRAHAM	136.66	87.8
22	BUFFALO	6.61	2.64
24	STATELINE SOLE SOURCE	555.79	413.31
601	LAWMA A.P.D.	0.97	0.35
602	LAWMA A.P.D.	16.62	12.46
	Totals	3708.79	1985.44

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
April 2023

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
28.14	1.66	0.00	150.11	10.94	0.00	107.22	87.80	2.64	0.00	413.31	801.82

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
April 2023

REACH NUMBER	11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month	0	0	0	0	0	0	0	0	0	0	
Remaining Depletion	12.52	24.73	88.27	0.00	0.00	0.00	125.82	380.20	15.53	647.07	
Depletion to Usable SL Flow	10.25	20.25	72.29	0.00	0.00	0.00	103.05	311.38	12.72	529.95	
Replacements											Credit to Next Month
FRY-ARK Return Flows	0	0.00	0.00	0.00	0.00					0.00	0
PBWW TM & AG Return Flows	0	10.33	0.00	0.00	15.74					26.07	0
CO Beef - Lamar Center Farm	0			0.00						0.00	0
LAWMA - Lamar Center Farm	0			425.99	0.00					425.99	0
LAWMA - Lamar Granada Aug Stations								0.00		0.00	
LAWMA-Ft Bent Ditch Shares	0		0.00							0.00	0
LAWMA-Stubbs Direct Flow	0									0.00	0
LAWMA-XY Direct Flow	0				0.00	0.00				0.00	0
LAWMA-Manvel Direct Flow	0									0.00	0
Offset Account Release Credit*	12.92								55.54	55.54	-1735.83
Offset Account Transit Loss	0	0.00		0.00			0.00			0.00	0
Offset Account Water	0	0								0.00	0
Total Replacements	10.33	0.00	0.00	441.73	0.00	0.00	0.00	0.00	55.54	507.60	10.33
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 0 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline. This resulted in 1,735.83 acre-feet of depletions at the state line and no remaining Offset Credits to offset that balance. This was remedied by transferring water into the Kansas Consumable subaccount on July 1, 2023 following an Offset Credit reset on January 1, 2023 following a shortfall in the 2022 HI Model Update.

Enclosure 1

John Martin Offset Accounting for April 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2069.63							110.55							988.49
1	20.36	0.00	0.00	0.00	3.72	2086.27	1	0.00	0.00	0.00	0.00	0.20	110.35	1	0.00	0.00	0.00	0.00	1.78	986.71
2	27.27	0.00	0.00	0.00	3.75	2109.79	2	0.00	0.00	0.00	0.00	0.20	110.15	2	0.00	0.00	0.00	0.00	1.77	984.94
3	9.29	0.00	0.00	0.00	4.27	2114.81	3	0.00	0.00	0.00	0.00	0.22	109.93	3	0.00	0.00	0.00	0.00	2.00	982.94
4	3.00	0.00	0.00	0.00	2.68	2115.13	4	0.00	0.00	0.00	0.00	0.14	109.79	4	0.00	0.00	0.00	0.00	1.25	981.69
5	2.27	0.00	0.00	0.00	0.60	2116.80	5	0.00	0.00	0.00	0.00	0.03	109.76	5	0.00	0.00	0.00	0.00	0.28	981.41
6	3.01	0.00	0.00	0.00	2.68	2117.13	6	0.00	0.00	0.00	0.00	0.14	109.62	6	0.00	0.00	0.00	0.00	1.25	980.16
7	2.80	0.00	0.00	0.00	3.68	2116.25	7	0.00	0.00	0.00	0.00	0.19	109.43	7	0.00	0.00	0.00	0.00	1.70	978.46
8	2.72	0.00	0.00	0.00	3.68	2115.29	8	0.00	0.00	0.00	0.00	0.19	109.24	8	0.00	0.00	0.00	0.00	1.70	976.76
9	8.00	0.00	0.00	0.00	3.77	2119.52	9	0.00	0.00	0.00	0.00	0.19	109.05	9	0.00	0.00	0.00	0.00	1.74	975.02
10	11.50	0.00	0.00	0.00	1.10	2129.92	10	0.00	0.00	0.00	0.00	0.06	108.99	10	0.00	0.00	0.00	0.00	0.50	974.52
11	11.10	0.00	0.00	0.00	5.48	2135.54	11	0.00	0.00	0.00	0.00	0.28	108.71	11	0.00	0.00	0.00	0.00	2.51	972.01
12	10.33	0.00	0.00	0.00	3.10	2142.77	12	0.00	0.00	0.00	0.00	0.16	108.55	12	0.00	0.00	0.00	0.00	1.41	970.60
13	9.46	0.00	0.00	0.00	6.52	2145.71	13	0.00	0.00	0.00	0.00	0.33	108.22	13	0.00	0.00	0.00	0.00	2.96	967.64
14	8.47	0.00	0.00	0.00	2.93	2151.25	14	0.00	0.00	0.00	0.00	0.15	108.07	14	0.00	0.00	0.00	0.00	1.32	966.32
15	6.42	0.00	0.00	0.00	2.93	2154.74	15	0.00	0.00	0.00	0.00	0.15	107.92	15	0.00	0.00	0.00	0.00	1.31	965.01
16	4.98	0.00	0.00	0.00	2.93	2156.79	16	0.00	0.00	0.00	0.00	0.15	107.77	16	0.00	0.00	0.00	0.00	1.31	963.70
17	4.58	0.00	0.00	0.00	2.33	2159.04	17	0.00	0.00	0.00	0.00	0.12	107.65	17	0.00	0.00	0.00	0.00	1.04	962.66
18	5.09	0.00	0.00	0.00	5.16	2158.97	18	0.00	0.00	0.00	0.00	0.26	107.39	18	0.00	0.00	0.00	0.00	2.30	960.36
19	10.32	0.00	0.00	0.00	4.05	2165.24	19	0.00	0.00	0.00	0.00	0.20	107.19	19	0.00	0.00	0.00	0.00	1.80	958.56
20	9.56	0.00	0.00	0.00	2.35	2172.45	20	0.00	0.00	0.00	0.00	0.12	107.07	20	0.00	0.00	0.00	0.00	1.04	957.52
21	14.11	0.00	0.00	0.00	2.75	2183.81	21	0.00	0.00	0.00	0.00	0.14	106.93	21	0.00	0.00	0.00	0.00	1.21	956.31
22	24.08	0.00	0.00	0.00	2.77	2205.12	22	0.00	0.00	0.00	0.00	0.14	106.79	22	0.00	0.00	0.00	0.00	1.21	955.10
23	21.95	0.00	0.00	0.00	2.91	2224.16	23	0.00	0.00	0.00	0.00	0.14	106.65	23	0.00	0.00	0.00	0.00	1.26	953.84
24	30.52	18.79	0.00	0.00	2.83	2270.64	24	0.00	0.00	0.00	0.00	0.14	106.51	24	0.00	0.00	0.00	0.00	1.21	952.63
25	23.89	0.00	0.00	0.00	1.06	2293.47	25	0.00	0.00	0.00	0.00	0.05	106.46	25	0.00	0.00	0.00	0.00	0.45	952.18
26	9.32	0.00	0.00	0.00	0.00	2302.79	26	0.00	0.00	0.00	0.00	0.00	106.46	26	0.00	0.00	0.00	0.00	0.00	952.18
27	5.40	0.00	0.00	0.00	1.42	2306.77	27	0.00	0.00	0.00	0.00	0.07	106.39	27	0.00	0.00	0.00	0.00	0.59	951.59
28	5.99	0.00	0.00	0.00	3.49	2309.27	28	0.00	0.00	0.00	0.00	0.16	106.23	28	0.00	0.00	0.00	0.00	1.44	950.15
29	15.09	0.00	0.00	0.00	3.49	2320.87	29	0.00	0.00	0.00	0.00	0.16	106.07	29	0.00	0.00	0.00	0.00	1.43	948.72
30	4.53	0.00	0.00	0.00	3.51	2321.89	30	0.00	0.00	0.00	0.00	0.16	105.91	30	0.00	0.00	0.00	0.00	1.43	947.29
	325.41	18.79	0.00	0.00	91.94			0.00	0.00	0.00	0.00	4.64			0.00	0.00	0.00	0.00	41.20	
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1725.38							123.85							502.49
1	20.36	0.00	0.00	0.00	3.10	1742.64	1	20.36	0.00	0.00	0.00	0.22	143.99	1	0.00	0.00	0.00	0.00	0.90	501.59
2	27.27	0.00	0.00	0.00	3.13	1766.78	2	27.27	0.00	0.00	0.00	0.26	171.00	2	0.00	0.00	0.00	0.00	0.90	500.69
3	9.29	0.00	0.00	0.00	3.57	1772.50	3	9.29	0.00	0.00	0.00	0.34	179.95	3	0.00	0.00	0.00	0.00	1.01	499.68
4	3.00	0.00	0.00	0.00	2.25	1773.25	4	3.00	0.00	0.00	0.00	0.23	182.72	4	0.00	0.00	0.00	0.00	0.63	499.05
5	2.27	0.00	0.00	0.00	0.50	1775.02	5	2.27	0.00	0.00	0.00	0.05	184.94	5	0.00	0.00	0.00	0.00	0.14	498.91
6	3.01	0.00	0.00	0.00	2.25	1775.78	6	3.01	0.00	0.00	0.00	0.23	187.72	6	0.00	0.00	0.00	0.00	0.63	498.28
7	2.80	0.00	0.00	0.00	3.08	1775.50	7	2.80	0.00	0.00	0.00	0.32	190.20	7	0.00	0.00	0.00	0.00	0.87	497.41
8	2.72	0.00	0.00	0.00	3.08	1775.14	8	2.72	0.00	0.00	0.00	0.33	192.59	8	0.00	0.00	0.00	0.00	0.86	496.55
9	8.00	0.00	0.00	0.00	3.16	1779.98	9	8.00	0.00	0.00	0.00	0.34	200.25	9	0.00	0.00	0.00	0.00	0.89	495.66
10	11.50	0.00	0.00	0.00	0.92	1790.56	10	11.50	0.00	0.00	0.00	0.10	211.65	10	0.00	0.00	0.00	0.00	0.26	495.40
11	11.10	0.00	0.00	0.00	4.61	1797.05	11	11.10	0.00	0.00	0.00	0.54	222.21	11	0.00	0.00	0.00	0.00	1.28	494.12
12	10.33	0.00	0.00	0.00	2.61	1804.77	12	10.33	0.00	0.00	0.00	0.32	232.22	12	0.00	0.00	0.00	0.00	0.72	493.40
13	9.46	0.00	0.00	0.00	5.49	1808.74	13	9.46	0.00	0.00	0.00	0.70	240.98	13	0.00	0.00	0.00	0.00	1.50	491.90
14	8.47	0.00	0.00	0.00	2.47	1814.74	14	8.47	0.00	0.00	0.00	0.33	249.12	14	0.00	0.00	0.00	0.00	0.67	491.23
15	6.42	0.00	0.00	0.00	2.47	1818.69	15	6.42	0.00	0.00	0.00	0.34	255.20	15	0.00	0.00	0.00	0.00	0.67	490.56
16	4.98	0.00	0.00	0.00	2.47	1821.20	16	4.98	0.00	0.00	0.00	0.34	259.84	16	0.00	0.00	0.00	0.00	0.67	489.89
17	4.58	0.00	0.00	0.00	1.97	1823.81	17	4.58	0.00	0.00	0.00	0.28	264.14	17	0.00	0.00	0.00	0.00	0.53	489.36
18	5.09	0.00	0.00	0.00	4.36	1824.54	18	5.09	0.00	0.00	0.00	0.63	268.60	18	0.00	0.00	0.00	0.00	1.17	488.19
19	10.32	0.00	0.00	0.00	3.42	1831.44	19	10.32	0.00	0.00	0.00	0.50	278.42	19	0.00	0.00	0.00	0.00	0.92	487.27
20	9.56	0.00	0.00	0.00	1.99	1839.01	20	9.56	0.00	0.00	0.00	0.30	287.68	20	0.00	0.00	0.00	0.00	0.53	486.74
21	14.11	0.00	0.00	0.00	2.33	1850.79	21	14.11	0.00	0.00	0.00	0.36	301.43	21	0.00	0.00	0.00	0.00	0.62	486.12
22	24.08	0.00	0.00	0.00	2.35	1872.52	22	24.08	0.00	0.00	0.00	0.38	325.13	22	0.00	0.00	0.00	0.00	0.62	485.50
23	21.95	0.00	0.00	0.00	2.47	1892.00	23	21.95	0.00	0.00	0.00	0.43	346.65	23	0.00	0.00	0.00	0.00	0.64	484.86
24	30.52	16.32	0.00	0.00	2.41	1936.43	24	30.52	16.32	0.00	0.00	0.44	393.05	24	0.00	0.00	0.00	0.00	0.62	484.24
25	23.89	0.00	0.00	0.00	0.91	1959.41	25	23.89	0.00	0.00	0.00	0.18	416.76	25	0.00	0.00	0.00	0.00	0.23	484.01
26	9.32	0.00	0.00	0.00	0.00	1968.73	26	9.32	0.00	0.00	0.00	0.00	426.08	26	0.00	0.00	0.00	0.00	0.00	484.01
27	5.40	0.00	0.00	0.00	1.22	1972.91	27	5.40	0.00	0.00	0.00	0.26	431.22	27	0.00	0.00	0.00	0.00	0.30	483.71
28	5.99	0.00	0.00	0.00	2.98	1975.92	28	5.99	0.00	0.00	0.00	0.65	436.56	28	0.00	0.00	0.00	0.00	0.73	482.98
29	15.09	0.00	0.00	0.00	2.98	1988.03	29	15.09	0.00	0.00	0.00	0.66	450.99	29	0.00	0.00	0.0			

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						344.25							72.76							0.00
1	0.00	0.00	0.00	0.00	0.62	343.63	1	0.00	0.00	0.00	0.00	0.13	72.63	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.62	343.01	2	0.00	0.00	0.00	0.00	0.13	72.50	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.70	342.31	3	0.00	0.00	0.00	0.00	0.15	72.35	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.43	341.88	4	0.00	0.00	0.00	0.00	0.09	72.26	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.10	341.78	5	0.00	0.00	0.00	0.00	0.02	72.24	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.43	341.35	6	0.00	0.00	0.00	0.00	0.09	72.15	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.60	340.75	7	0.00	0.00	0.00	0.00	0.13	72.02	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.60	340.15	8	0.00	0.00	0.00	0.00	0.13	71.89	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.61	339.54	9	0.00	0.00	0.00	0.00	0.13	71.76	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.18	339.36	10	0.00	0.00	0.00	0.00	0.04	71.72	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.87	338.49	11	0.00	0.00	0.00	0.00	0.18	71.54	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.49	338.00	12	0.00	0.00	0.00	0.00	0.10	71.44	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.03	336.97	13	0.00	0.00	0.00	0.00	0.22	71.22	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.46	336.51	14	0.00	0.00	0.00	0.00	0.10	71.12	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.46	336.05	15	0.00	0.00	0.00	0.00	0.10	71.02	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.46	335.59	16	0.00	0.00	0.00	0.00	0.10	70.92	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.36	335.23	17	0.00	0.00	0.00	0.00	0.08	70.84	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.80	334.43	18	0.00	0.00	0.00	0.00	0.17	70.67	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.63	333.80	19	0.00	0.00	0.00	0.00	0.13	70.54	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.36	333.44	20	0.00	0.00	0.00	0.00	0.08	70.46	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.42	333.02	21	0.00	0.00	0.00	0.00	0.09	70.37	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.42	332.60	22	0.00	0.00	0.00	0.00	0.09	70.28	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.44	332.16	23	0.00	0.00	0.00	0.00	0.09	70.19	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	2.47	0.00	0.00	0.42	334.21	24	0.00	0.13	0.00	0.00	0.09	70.23	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.15	334.06	25	0.00	0.00	0.00	0.00	0.03	70.20	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	334.06	26	0.00	0.00	0.00	0.00	0.00	70.20	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.20	333.86	27	0.00	0.00	0.00	0.00	0.04	70.16	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.51	333.35	28	0.00	0.00	0.00	0.00	0.11	70.05	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.51	332.84	29	0.00	0.00	0.00	0.00	0.11	69.94	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.51	332.33	30	0.00	0.00	0.00	0.00	0.11	69.83	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	2.47	0.00	0.00	14.39			0.00	0.13	0.00	0.00	3.06		0.00	0.00	0.00	0.00	0.00		

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						271.49							110.30							0.25
1	0.00	0.00	0.00	0.00	0.49	271.00	1	0.00	0.00	0.00	0.00	0.20	110.10	1	0.00	0.00	0.00	0.00	0.00	0.25
2	0.00	0.00	0.00	0.00	0.49	270.51	2	0.00	0.00	0.00	0.00	0.20	109.90	2	0.00	0.00	0.00	0.00	0.00	0.25
3	0.00	0.00	0.00	0.00	0.55	269.96	3	0.00	0.00	0.00	0.00	0.22	109.68	3	0.00	0.00	0.00	0.00	0.00	0.25
4	0.00	0.00	0.00	0.00	0.34	269.62	4	0.00	0.00	0.00	0.00	0.14	109.54	4	0.00	0.00	0.00	0.00	0.00	0.25
5	0.00	0.00	0.00	0.00	0.08	269.54	5	0.00	0.00	0.00	0.00	0.03	109.51	5	0.00	0.00	0.00	0.00	0.00	0.25
6	0.00	0.00	0.00	0.00	0.34	269.20	6	0.00	0.00	0.00	0.00	0.14	109.37	6	0.00	0.00	0.00	0.00	0.00	0.25
7	0.00	0.00	0.00	0.00	0.47	268.73	7	0.00	0.00	0.00	0.00	0.19	109.18	7	0.00	0.00	0.00	0.00	0.00	0.25
8	0.00	0.00	0.00	0.00	0.47	268.26	8	0.00	0.00	0.00	0.00	0.19	108.99	8	0.00	0.00	0.00	0.00	0.00	0.25
9	0.00	0.00	0.00	0.00	0.48	267.78	9	0.00	0.00	0.00	0.00	0.19	108.80	9	0.00	0.00	0.00	0.00	0.00	0.25
10	0.00	0.00	0.00	0.00	0.14	267.64	10	0.00	0.00	0.00	0.00	0.06	108.74	10	0.00	0.00	0.00	0.00	0.00	0.25
11	0.00	0.00	0.00	0.00	0.69	266.95	11	0.00	0.00	0.00	0.00	0.28	108.46	11	0.00	0.00	0.00	0.00	0.00	0.25
12	0.00	0.00	0.00	0.00	0.39	266.56	12	0.00	0.00	0.00	0.00	0.16	108.30	12	0.00	0.00	0.00	0.00	0.00	0.25
13	0.00	0.00	0.00	0.00	0.81	265.75	13	0.00	0.00	0.00	0.00	0.33	107.97	13	0.00	0.00	0.00	0.00	0.00	0.25
14	0.00	0.00	0.00	0.00	0.36	265.39	14	0.00	0.00	0.00	0.00	0.15	107.82	14	0.00	0.00	0.00	0.00	0.00	0.25
15	0.00	0.00	0.00	0.00	0.36	265.03	15	0.00	0.00	0.00	0.00	0.15	107.67	15	0.00	0.00	0.00	0.00	0.00	0.25
16	0.00	0.00	0.00	0.00	0.36	264.67	16	0.00	0.00	0.00	0.00	0.15	107.52	16	0.00	0.00	0.00	0.00	0.00	0.25
17	0.00	0.00	0.00	0.00	0.28	264.39	17	0.00	0.00	0.00	0.00	0.12	107.40	17	0.00	0.00	0.00	0.00	0.00	0.25
18	0.00	0.00	0.00	0.00	0.63	263.76	18	0.00	0.00	0.00	0.00	0.26	107.14	18	0.00	0.00	0.00	0.00	0.00	0.25
19	0.00	0.00	0.00	0.00	0.50	263.26	19	0.00	0.00	0.00	0.00	0.20	106.94	19	0.00	0.00	0.00	0.00	0.00	0.25
20	0.00	0.00	0.00	0.00	0.28	262.98	20	0.00	0.00	0.00	0.00	0.12	106.82	20	0.00	0.00	0.00	0.00	0.00	0.25
21	0.00	0.00	0.00	0.00	0.33	262.65	21	0.00	0.00	0.00	0.00	0.14	106.68	21	0.00	0.00	0.00	0.00	0.00	0.25
22	0.00	0.00	0.00	0.00	0.33	262.32	22	0.00	0.00	0.00	0.00	0.14	106.54	22	0.00	0.00	0.00	0.00	0.00	0.25
23	0.00	0.00	0.00	0.00	0.35	261.97	23	0.00	0.00	0.00	0.00	0.14	106.40	23	0.00	0.00	0.00	0.00	0.00	0.25
24	0.00	2.34	0.00	0.00	0.33	263.98	24	0.00	0.00	0.00	0.00	0.14	106.26	24	0.00	0.00	0.00	0.00	0.00	0.25
25	0.00	0.00	0.00	0.00	0.12	263.86	25	0.00	0.00	0.00	0.00	0.05	106.21	25	0.00	0.00	0.00	0.00	0.00	0.25
26	0.00	0.00	0.00	0.00	0.00	263.86	26	0.00	0.00	0.00	0.00	0.00	106.21	26	0.00	0.00	0.00	0.00	0.00	0.25
27	0.00	0.00	0.00	0.00	0.16	263.70	27	0.00	0.00	0.00	0.00	0.07	106.14	27	0.00	0.00	0.00	0.00	0.00	0.25
28	0.00	0.00	0.00	0.00	0.40	263.30	28	0.00	0.00	0.00	0.00	0.16	105.98	28	0.00	0.00	0.00	0.00	0.00	0.25
29	0.00	0.00	0.00	0.00	0.40	262.90	29	0.00	0.00	0.00	0.00	0.16	105.82	29	0.00	0.00	0.00	0.00	0.00	0.25
30	0.00	0.00	0.00	0.00	0.40	262.50	30	0.00	0.00	0.00	0.00	0.16	105.66	30	0.00	0.00	0.00			



October 5, 2023

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Ms. Stephanie Gonzales
Recording Secretary
Arkansas River Compact Administration
P.O. Box 1106
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for May 2023

Dear Mr. Lewis and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended April 30, 1998** (“Resolution”). This letter reports the monthly pumping in excess of Colorado’s pre-Compact entitlement, Colorado’s monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of May, 2023.

Table 1 shows the amount of pumping during the month of May 2023 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** (“Rules”) approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.



These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13 an amount of 58% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 18 days in May 2023. In Reaches 14, 15 and 16 an amount of 61% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 19 days in May 2023.

The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

Lower Arkansas Water Management Association (LAWMA) delivered 523.06 acre-feet of Fort Lyon Canal shares, 387.5 acre-feet of Highland Canal shares, and 154.01 acre-feet of Keesee Ditch shares to the Consumable Downstream Subaccount. Colorado Springs Utilities (CS-U) delivered 119.34 acre-feet from Fountain Creek on behalf of LAWMA starting May 1, 2023 and ending May 4 of 2023 into the Colorado Downstream Consumable Account. CS-U delivered an additional 115.25 acre-feet from Fountain Creek on behalf of LAWMA starting May 8, 2023 and ending on May 12, 2023 into the Colorado Downstream Consumable Account. LAWMA also delivered 174.64 acre-feet of fully consumable water purchased from the City of Salida and delivered from Pueblo Reservoir starting May 15, 2023 and ending on May 19, 2023 into the Colorado Downstream Consumable Account. The amount delivered into the Offset Account in May 2022 totaled 1,473.80 acre-feet.

On May 17, 2023, LAWMA transferred a 33.32 acre-feet into the Colorado Downstream Consumable subaccount, 1.75 acre-feet into the Return Flow Transit Loss subaccount, and 18.87 acre-feet into the Return Flow Subaccount of consumable water for a total of 53.94 acre-feet. This was a transfer out of LAWMA's X-Y Article II account. The total transferred into the Offset Account was 53.94 acre-feet.

There were unreplaced depletions at the stateline totaling 1735.67 acre-feet after balancing the May 2023 accounting. These depletions were replaced by a transfer of water into the Kansas Consumable Subaccount after proper notice was provided to

Kansas Pursuant to Paragraph 5 of the Resolution or by utilizing credit generated by a Kansas Offset Account Delivery.

As of May 31, 2023, a total of 3,732.90 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of May 2023 is attached in Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Rachel A. Zancanella, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Rachel Zancanella
Noah Friesen
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
May 2023

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	336.25	159.38
2	BOOTH ORCHARD	0.45	0.23
3	EXCELSIOR	4	2
4	COLLIER	0	0
5	COLORADO	108.65	65.01
6	ROCKY FORD HIGHLINE	28.51	11.08
7	OXFORD	47.15	22.46
8	OTERO	13.29	4.78
9	CATLIN	207.77	94.5
10	FORT LYON US	305.33	139.88
11	ROCKY FORD	17.02	8.51
12	HOLBROOK	113.57	74.9
13	LAS ANIMAS CONSOLIDATED	19.56	7.85
14	BALDWIN-STUBBS	92.69	61.64
15	FORT BENT	167.12	124.96
17	AMITY	349.1	214.28
18	LAMAR/MANVEL	27.47	20.35
19	HYDE	0	0
20	FORT LYON DS	179.56	125.11
21	XY GRAHAM	87.03	55.91
22	BUFFALO	2.07	0.82
24	STATELINE SOLE SOURCE	497.98	373.07
601	APODS FOR WILEY DRAINAGE DITCH	2.69	0.97
602	APODS FOR SAPP DITCH	13.86	10.4
	Totals	2621.12	1578.09

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
May 2023

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
18.02	61.68	0.00	214.28	20.35	0.00	124.75	55.91	0.82	0.00	373.07	868.88

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
May 2023

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0	0	0	0	0	0	0	0	0	0	
Remaining Depletion		6.26	12.26	47.46	30.14	11.36	20.61	129.57	408.68	13.97	680.31	
Depletion to Usable SL Flow		5.12	10.04	38.87	24.69	9.30	16.88	106.12	334.71	11.44	557.17	
Replacements	Carry Forward Credit											Credit to Next Month
FRY-ARK Return Flows	0	0.00	0.00	0.00	0.00						0.00	0
Fort Lyon Aug Station/Recharge	0	0.00	0.00	0.00	0.00						0.00	0
CO Beef - Lamar Center Farm	0				0.00						0.00	0
Lamar Center Farm	0				200.00	254.18					454.18	300.55
Lamar Granada East/West									0.00		0.00	271.29
Ft Bent Ditch Shares	0			126.57							126.57	0
Stubbs Direct Flow	0								15.18		15.18	0
XY Direct Flow	0							1119.19			1119.19	0
Manvel Direct Flow	0					87.50					87.50	0
Offset Account Release Credit*	-1735.67										0.00	-1735.67
Offset Account Transit Loss	0	0.00			0.00						0.00	0
Offset Account Water	0	0									0.00	0
Total Replacements	0	0.00	0.00	126.57	200.00	341.68	1119.19	0.00	15.18	0.00	1802.62	
Depletions Carried Forward	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 0 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline. This resulted in 1735.67 acre-feet of depletions at the state line and no remaining Offset Credits to offset that balance. This was remedied by transferring water into the Kansas Consumable subaccount on July 1, 2023 following an Offset Credit reset on January 1, 2023 following a shortfall in the 2022 HI Model Update.

Enclosure 1

John Martin Offset Accounting for May 2023

Offset Account

May 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2321.89							105.91							947.29
1	37.90	0.00	0.00	0.00	2.85	2356.94	1	0.00	0.00	0.00	0.00	0.13	105.78	1	0.00	0.00	0.00	0.00	1.16	946.13
2	54.77	0.00	0.00	0.00	3.59	2408.12	2	0.00	0.00	0.00	0.00	0.16	105.62	2	0.00	0.00	0.00	0.00	1.44	944.69
3	53.49	0.00	0.00	0.00	3.21	2458.40	3	0.00	0.00	0.00	0.00	0.14	105.48	3	0.00	0.00	0.00	0.00	1.26	943.43
4	27.62	0.00	0.00	0.00	4.68	2481.34	4	0.00	0.00	0.00	0.00	0.20	105.28	4	0.00	0.00	0.00	0.00	1.80	941.63
5	19.18	0.00	0.00	0.00	4.40	2496.12	5	0.00	0.00	0.00	0.00	0.19	105.09	5	0.00	0.00	0.00	0.00	1.67	939.96
6	21.23	0.00	0.00	0.00	4.44	2512.91	6	0.00	0.00	0.00	0.00	0.19	104.90	6	0.00	0.00	0.00	0.00	1.67	938.29
7	19.29	0.00	0.00	0.00	4.49	2527.71	7	0.00	0.00	0.00	0.00	0.19	104.71	7	0.00	0.00	0.00	0.00	1.68	936.61
8	25.67	0.00	0.00	0.00	3.91	2549.47	8	0.00	0.00	0.00	0.00	0.16	104.55	8	0.00	0.00	0.00	0.00	1.45	935.16
9	51.26	0.00	0.00	0.00	5.10	2595.63	9	0.00	0.00	0.00	0.00	0.21	104.34	9	0.00	0.00	0.00	0.00	1.87	933.29
10	53.41	0.00	0.00	0.00	0.00	2649.04	10	0.00	0.00	0.00	0.00	0.00	104.34	10	0.00	0.00	0.00	0.00	0.00	933.29
11	53.18	0.00	0.00	0.00	3.88	2698.34	11	0.00	0.00	0.00	0.00	0.15	104.19	11	0.00	0.00	0.00	0.00	1.37	931.92
12	27.57	0.00	0.00	0.00	2.50	2723.41	12	0.00	0.00	0.00	0.00	0.10	104.09	12	0.00	0.00	0.00	0.00	0.86	931.06
13	38.83	0.00	0.00	0.00	2.71	2759.53	13	0.00	0.00	0.00	0.00	0.10	103.99	13	0.00	0.00	0.00	0.00	0.93	930.13
14	49.59	0.00	0.00	0.00	2.75	2806.37	14	0.00	0.00	0.00	0.00	0.10	103.89	14	0.00	0.00	0.00	0.00	0.93	929.20
15	31.32	0.00	0.00	0.00	0.44	2837.25	15	0.00	0.00	0.00	0.00	0.02	103.87	15	0.00	0.00	0.00	0.00	0.15	929.05
16	18.45	0.00	0.00	0.00	4.64	2851.06	16	0.00	0.00	0.00	0.00	0.17	103.70	16	0.00	0.00	0.00	0.00	1.52	927.53
17	22.32	53.94	0.00	0.00	6.53	2920.79	17	0.00	0.00	0.00	0.00	0.24	103.46	17	0.00	0.00	0.00	0.00	2.12	925.41
18	34.45	0.00	0.00	0.00	4.35	2950.89	18	0.00	0.00	0.00	0.00	0.15	103.31	18	0.00	0.00	0.00	0.00	1.38	924.03
19	77.71	0.00	0.00	0.00	0.63	3027.97	19	0.00	0.00	0.00	0.00	0.02	103.29	19	0.00	0.00	0.00	0.00	0.20	923.83
20	82.13	0.00	0.00	0.00	0.64	3109.46	20	0.00	0.00	0.00	0.00	0.02	103.27	20	0.00	0.00	0.00	0.00	0.20	923.63
21	97.00	0.00	0.00	0.00	0.66	3205.80	21	0.00	0.00	0.00	0.00	0.02	103.25	21	0.00	0.00	0.00	0.00	0.20	923.43
22	60.67	0.00	0.00	0.00	5.04	3261.43	22	0.00	0.00	0.00	0.00	0.16	103.09	22	0.00	0.00	0.00	0.00	1.45	921.98
23	56.68	0.00	0.00	0.00	2.91	3315.20	23	0.00	0.00	0.00	0.00	0.09	103.00	23	0.00	0.00	0.00	0.00	0.82	921.16
24	50.19	0.00	0.00	0.00	3.49	3361.90	24	0.00	0.00	0.00	0.00	0.11	102.89	24	0.00	0.00	0.00	0.00	0.97	920.19
25	38.74	0.00	0.00	0.00	6.61	3394.03	25	0.00	0.00	0.00	0.00	0.20	102.69	25	0.00	0.00	0.00	0.00	1.81	918.38
26	50.19	0.00	0.00	0.00	5.09	3439.13	26	0.00	0.00	0.00	0.00	0.15	102.54	26	0.00	0.00	0.00	0.00	1.38	917.00
27	72.32	0.00	0.00	0.00	5.19	3506.26	27	0.00	0.00	0.00	0.00	0.15	102.39	27	0.00	0.00	0.00	0.00	1.39	915.61
28	84.53	0.00	0.00	0.00	5.36	3585.43	28	0.00	0.00	0.00	0.00	0.16	102.23	28	0.00	0.00	0.00	0.00	1.40	914.21
29	65.54	0.00	0.00	0.00	5.52	3645.45	29	0.00	0.00	0.00	0.00	0.16	102.07	29	0.00	0.00	0.00	0.00	1.41	912.80
30	48.91	0.00	0.00	0.00	4.82	3689.54	30	0.00	0.00	0.00	0.00	0.13	101.94	30	0.00	0.00	0.00	0.00	1.21	911.59
31	49.66	0.00	0.00	0.00	6.30	3732.90	31	0.00	0.00	0.00	0.00	0.17	101.77	31	0.00	0.00	0.00	0.00	1.56	910.03
1473.80	53.94	0.00	0.00	0.00	116.73		0.00	0.00	0.00	0.00	0.00	4.14	0.00	0.00	0.00	0.00	0.00	0.00	37.26	

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1989.56							454.84							481.52
1	37.90	0.00	0.00	0.00	2.44	2025.02	1	37.90	0.00	0.00	0.00	0.56	492.18	1	0.00	0.00	0.00	0.00	0.59	480.93
2	54.77	0.00	0.00	0.00	3.08	2076.71	2	54.77	0.00	0.00	0.00	0.75	546.20	2	0.00	0.00	0.00	0.00	0.73	480.20
3	53.49	0.00	0.00	0.00	2.77	2127.43	3	53.49	0.00	0.00	0.00	0.73	598.96	3	0.00	0.00	0.00	0.00	0.64	479.56
4	27.62	0.00	0.00	0.00	4.05	2151.00	4	27.62	0.00	0.00	0.00	1.14	625.44	4	0.00	0.00	0.00	0.00	0.91	478.65
5	19.18	0.00	0.00	0.00	3.82	2166.36	5	19.18	0.00	0.00	0.00	1.11	643.51	5	0.00	0.00	0.00	0.00	0.85	477.80
6	21.23	0.00	0.00	0.00	3.86	2183.73	6	21.23	0.00	0.00	0.00	1.15	663.59	6	0.00	0.00	0.00	0.00	0.85	476.95
7	19.29	0.00	0.00	0.00	3.91	2199.11	7	19.29	0.00	0.00	0.00	1.19	681.69	7	0.00	0.00	0.00	0.00	0.85	476.10
8	25.67	0.00	0.00	0.00	3.40	2221.38	8	25.67	0.00	0.00	0.00	1.05	706.31	8	0.00	0.00	0.00	0.00	0.74	475.36
9	51.26	0.00	0.00	0.00	4.44	2268.20	9	51.26	0.00	0.00	0.00	1.41	756.16	9	0.00	0.00	0.00	0.00	0.95	474.41
10	53.41	0.00	0.00	0.00	0.00	2321.61	10	53.41	0.00	0.00	0.00	0.00	809.57	10	0.00	0.00	0.00	0.00	0.00	474.41
11	53.18	0.00	0.00	0.00	3.40	2371.39	11	53.18	0.00	0.00	0.00	1.19	861.56	11	0.00	0.00	0.00	0.00	0.69	473.72
12	27.57	0.00	0.00	0.00	2.20	2396.76	12	27.57	0.00	0.00	0.00	0.80	888.33	12	0.00	0.00	0.00	0.00	0.44	473.28
13	38.83	0.00	0.00	0.00	2.38	2433.21	13	38.83	0.00	0.00	0.00	0.88	926.28	13	0.00	0.00	0.00	0.00	0.47	472.81
14	49.59	0.00	0.00	0.00	2.42	2480.38	14	49.59	0.00	0.00	0.00	0.92	974.95	14	0.00	0.00	0.00	0.00	0.47	472.34
15	31.32	0.00	0.00	0.00	0.39	2511.31	15	31.32	0.00	0.00	0.00	0.15	1006.12	15	0.00	0.00	0.00	0.00	0.07	472.27
16	18.45	0.00	0.00	0.00	4.11	2525.65	16	18.45	0.00	0.00	0.00	1.65	1022.92	16	0.00	0.00	0.00	0.00	0.77	471.50
17	22.32	33.32	0.00	0.00	5.78	2575.51	17	22.32	33.32	0.00	0.00	2.34	1076.22	17	0.00	0.00	0.00	0.00	1.08	470.42
18	34.45	0.00	0.00	0.00	3.84	2606.12	18	34.45	0.00	0.00	0.00	1.61	1109.06	18	0.00	0.00	0.00	0.00	0.70	469.72
19	77.71	0.00	0.00	0.00	0.56	2683.27	19	77.71	0.00	0.00	0.00	0.24	1186.53	19	0.00	0.00	0.00	0.00	0.10	469.62
20	82.13	0.00	0.00	0.00	0.57	2764.83	20	82.13	0.00	0.00	0.00	0.25	1268.41	20	0.00	0.00	0.00	0.00	0.10	469.52
21	97.00	0.00	0.00	0.00	0.59	2861.24	21	97.00	0.00	0.00	0.00	0.27	1365.14	21	0.00	0.00	0.00	0.00	0.10	469.42
22	60.67	0.00	0.00	0.00	4.50	2917.41	22	60.67	0.00	0.00	0.00	2.15	1423.66	22	0.00	0.00	0.00	0.00	0.74	468.68
23	56.68	0.00	0.00	0.00	2.60	2971.49	23	56.68	0.00	0.00	0.00	1.27	1479.07	23	0.00	0.00	0.00	0.00	0.42	468.26
24	50.19	0.00	0.00	0.00	3.13	3018.55	24	50.19	0.00	0.00	0.00	1.56	1527.70	24	0.00	0.00	0.00	0.00	0.49	467.77
25	38.74	0.00	0.00	0.00	5.93	3051.36	25	38.74	0.00	0.00	0.00	3.00	1563.44	25	0.00	0.00	0.00	0.00	0.92	466.85
26	50.19	0.00	0.00	0.00	4.58	3096.97	26	50.19	0.00	0.00	0.00	2.35	1611.28	26	0.00	0.00	0.00	0.00	0.70	466.15
27	72.32	0.00	0.00	0.00	4.68	3164.61	27	72.32	0.00	0.00	0.00	2.44	1681.16	27	0.00	0.00	0.00	0.00	0.70	465.45
28	84.53	0.00																		

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						332.33							69.83							0.00
1	0.00	0.00	0.00	0.00	0.41	331.92	1	0.00	0.00	0.00	0.00	0.09	69.74	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.51	331.41	2	0.00	0.00	0.00	0.00	0.11	69.63	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.44	330.97	3	0.00	0.00	0.00	0.00	0.09	69.54	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.63	330.34	4	0.00	0.00	0.00	0.00	0.13	69.41	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.58	329.76	5	0.00	0.00	0.00	0.00	0.12	69.29	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.58	329.18	6	0.00	0.00	0.00	0.00	0.12	69.17	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.58	328.60	7	0.00	0.00	0.00	0.00	0.12	69.05	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.51	328.09	8	0.00	0.00	0.00	0.00	0.11	68.94	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.66	327.43	9	0.00	0.00	0.00	0.00	0.14	68.80	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	327.43	10	0.00	0.00	0.00	0.00	0.00	68.80	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.48	326.95	11	0.00	0.00	0.00	0.00	0.10	68.70	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.30	326.65	12	0.00	0.00	0.00	0.00	0.06	68.64	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.33	326.32	13	0.00	0.00	0.00	0.00	0.07	68.57	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.33	325.99	14	0.00	0.00	0.00	0.00	0.07	68.50	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.05	325.94	15	0.00	0.00	0.00	0.00	0.01	68.49	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.53	325.41	16	0.00	0.00	0.00	0.00	0.11	68.38	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	20.62	0.00	0.00	0.75	345.28	17	0.00	1.75	0.00	0.00	0.16	69.97	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.51	344.77	18	0.00	0.00	0.00	0.00	0.10	69.87	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.07	344.70	19	0.00	0.00	0.00	0.00	0.01	69.86	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.07	344.63	20	0.00	0.00	0.00	0.00	0.01	69.85	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.07	344.56	21	0.00	0.00	0.00	0.00	0.01	69.84	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.54	344.02	22	0.00	0.00	0.00	0.00	0.11	69.73	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.31	343.71	23	0.00	0.00	0.00	0.00	0.06	69.67	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.36	343.35	24	0.00	0.00	0.00	0.00	0.07	69.60	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.68	342.67	25	0.00	0.00	0.00	0.00	0.14	69.46	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.51	342.16	26	0.00	0.00	0.00	0.00	0.10	69.36	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.51	341.65	27	0.00	0.00	0.00	0.00	0.10	69.26	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.53	341.12	28	0.00	0.00	0.00	0.00	0.11	69.15	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.53	340.59	29	0.00	0.00	0.00	0.00	0.11	69.04	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.45	340.14	30	0.00	0.00	0.00	0.00	0.09	68.95	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.58	339.56	31	0.00	0.00	0.00	0.00	0.12	68.83	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	20.62	0.00	0.00	13.39			0.00	1.75	0.00	0.00	2.75		0.00	0.00	0.00	0.00	0.00		

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						262.50							105.66							0.25
1	0.00	0.00	0.00	0.00	0.32	262.18	1	0.00	0.00	0.00	0.00	0.13	105.53	1	0.00	0.00	0.00	0.00	0.00	0.25
2	0.00	0.00	0.00	0.00	0.40	261.78	2	0.00	0.00	0.00	0.00	0.16	105.37	2	0.00	0.00	0.00	0.00	0.00	0.25
3	0.00	0.00	0.00	0.00	0.35	261.43	3	0.00	0.00	0.00	0.00	0.14	105.23	3	0.00	0.00	0.00	0.00	0.00	0.25
4	0.00	0.00	0.00	0.00	0.50	260.93	4	0.00	0.00	0.00	0.00	0.20	105.03	4	0.00	0.00	0.00	0.00	0.00	0.25
5	0.00	0.00	0.00	0.00	0.46	260.47	5	0.00	0.00	0.00	0.00	0.19	104.84	5	0.00	0.00	0.00	0.00	0.00	0.25
6	0.00	0.00	0.00	0.00	0.46	260.01	6	0.00	0.00	0.00	0.00	0.19	104.65	6	0.00	0.00	0.00	0.00	0.00	0.25
7	0.00	0.00	0.00	0.00	0.46	259.55	7	0.00	0.00	0.00	0.00	0.19	104.46	7	0.00	0.00	0.00	0.00	0.00	0.25
8	0.00	0.00	0.00	0.00	0.40	259.15	8	0.00	0.00	0.00	0.00	0.16	104.30	8	0.00	0.00	0.00	0.00	0.00	0.25
9	0.00	0.00	0.00	0.00	0.52	258.63	9	0.00	0.00	0.00	0.00	0.21	104.09	9	0.00	0.00	0.00	0.00	0.00	0.25
10	0.00	0.00	0.00	0.00	0.00	258.63	10	0.00	0.00	0.00	0.00	0.00	104.09	10	0.00	0.00	0.00	0.00	0.00	0.25
11	0.00	0.00	0.00	0.00	0.38	258.25	11	0.00	0.00	0.00	0.00	0.15	103.94	11	0.00	0.00	0.00	0.00	0.00	0.25
12	0.00	0.00	0.00	0.00	0.24	258.01	12	0.00	0.00	0.00	0.00	0.10	103.84	12	0.00	0.00	0.00	0.00	0.00	0.25
13	0.00	0.00	0.00	0.00	0.26	257.75	13	0.00	0.00	0.00	0.00	0.10	103.74	13	0.00	0.00	0.00	0.00	0.00	0.25
14	0.00	0.00	0.00	0.00	0.26	257.49	14	0.00	0.00	0.00	0.00	0.10	103.64	14	0.00	0.00	0.00	0.00	0.00	0.25
15	0.00	0.00	0.00	0.00	0.04	257.45	15	0.00	0.00	0.00	0.00	0.02	103.62	15	0.00	0.00	0.00	0.00	0.00	0.25
16	0.00	0.00	0.00	0.00	0.42	257.03	16	0.00	0.00	0.00	0.00	0.17	103.45	16	0.00	0.00	0.00	0.00	0.00	0.25
17	0.00	18.87	0.00	0.00	0.59	275.31	17	0.00	0.00	0.00	0.00	0.24	103.21	17	0.00	0.00	0.00	0.00	0.00	0.25
18	0.00	0.00	0.00	0.00	0.41	274.90	18	0.00	0.00	0.00	0.00	0.15	103.06	18	0.00	0.00	0.00	0.00	0.00	0.25
19	0.00	0.00	0.00	0.00	0.06	274.84	19	0.00	0.00	0.00	0.00	0.02	103.04	19	0.00	0.00	0.00	0.00	0.00	0.25
20	0.00	0.00	0.00	0.00	0.06	274.78	20	0.00	0.00	0.00	0.00	0.02	103.02	20	0.00	0.00	0.00	0.00	0.00	0.25
21	0.00	0.00	0.00	0.00	0.06	274.72	21	0.00	0.00	0.00	0.00	0.02	103.00	21	0.00	0.00	0.00	0.00	0.00	0.25
22	0.00	0.00	0.00	0.00	0.43	274.29	22	0.00	0.00	0.00	0.00	0.16	102.84	22	0.00	0.00	0.00	0.00	0.00	0.25
23	0.00	0.00	0.00	0.00	0.25	274.04	23	0.00	0.00	0.00	0.00	0.09	102.75	23	0.00	0.00	0.00	0.00	0.00	0.25
24	0.00	0.00	0.00	0.00	0.29	273.75	24	0.00	0.00	0.00	0.00	0.11	102.64	24	0.00	0.00	0.00	0.00	0.00	0.25
25	0.00	0.00	0.00	0.00	0.54	273.21	25	0.00	0.00	0.00	0.00	0.20	102.44	25	0.00	0.00	0.00	0.00	0.00	0.25
26	0.00	0.00	0.00	0.00	0.41	272.80	26	0.00	0.00	0.00	0.00	0.15	102.29	26	0.00	0.00	0.00	0.00	0.00	0.25
27	0.00	0.00	0.00	0.00	0.41	272.39	27	0.00	0.00	0.00	0.00	0.15	102.14	27	0.00	0.00	0.00	0.00	0.00	0.25
28	0.00	0.00	0.00	0.00	0.42	271.97	28	0.00	0.00	0.00	0.00	0.16	101.98	28	0.00	0.00	0.00	0.00	0.00	0.25
29	0.00	0.00	0.00	0.00	0.42	271.55	29	0.00	0.00	0.00	0.00	0.16	101.82	29	0.00	0.00	0.00			



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

November 9, 2023

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Ms. Stephanie Gonzales
Recording Secretary
Arkansas River Compact Administration
P.O. Box 1106
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for June 2023

Dear Mr. Lewis and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended April 30, 1998** (“Resolution”). This letter reports the monthly pumping in excess of Colorado’s pre-Compact entitlement, Colorado’s monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of June, 2023.

Table 1 shows the amount of pumping during the month of June 2023 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** (“Rules”) approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.



These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, an amount of 47% of the stream depletions caused by pumping affecting those reaches, were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 14 days in June 2023. In Reaches 14, 15, and 16, no replacements were made to senior surface water rights in Colorado, caused by pumping affecting those reaches since there was not a call by a Colorado surface water right in those reaches in June 2023.

The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

Lower Arkansas Water Management Association (LAWMA) delivered 1,169.09 acre-feet of Fort Lyon Canal shares, 1,411.79 acre-feet of Highland Canal shares, and 136.92 acre-feet of Keesee Ditch shares to the Consumable Downstream Subaccount.

Arkansas Groundwater & Reservoir Association (AGRA) delivered 148.50 acre-feet of consumable water to the AGRA Upstream Consumable Subaccount generated from Excelsior Ditch shares changed in 04CW62. This delivery started with a release from Lake Meredith starting on June 1, 2023 and the delivery ended on through June 17, 2023. Catlin Augmentation Association (CAA) delivered 58.26 acre-feet of consumable water to the CAA Upstream Consumable Subaccount generated from Catlin shares changed in 12CW94. This delivery started with a release from Lake Meredith on June 1, 2023 and the delivery ended on June 19, 2023. The amount delivered into the Offset Account in June 2023 totaled 2,924.56 acre-feet.

On June 1, 2023, LAWMA transferred 889.96 acre-feet out of the Kansas Consumable account into the Downstream Consumable account. This operation was a result of LAWMA having previously transferred water into the Kansas consumable account to replace stateline depletions projected in the Colorado Monthly accounting for October and November 2022. This transfer left enough in the Kansas consumable to provide the shortfall replacement requirement as described in Appendix A.1. The original agreed upon estimated amount needed for shortfall replacement was 22.25 acre-feet. Over the course of the season, the John Martin Accounting was reworked and as a result the amount left in the Kansas Consumable account on June 1, 2023 was 21.27

acre-feet. The states agreed that this amount was acceptable because it was enough to cover the shortfall replacement amount, the actual transit loss and the actual evaporation.

In addition, AGRA and CAA transferred 5% of the deliveries that occurred in June 2023 to the LAWMA Upstream Consumable subaccount to repay a portion of the 500 acre-foot storage charge paid by LAWMA in March 2023. AGRA transferred a total of 7.40 acre-feet out of the AGRA Upstream Consumable and CAA transferred a total of 2.85 acre-feet out of the CAA Upstream Consumable subaccount for a total of 10.25 acre-feet transferred into the LAWMA Upstream Consumable subaccount. The total transferred within the Offset Account in June 2023 was 897.21 acre-feet.

As of June 30, 2023, a total of 6445.12 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of June 2023 is attached in Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Rachel A. Zancanella, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Rachel Zancanella
Noah Friesen
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
June 2023

USER NO.	DITCH NAME	PUMPED (AF)	WELLHEAD DEPL (AF)
1	BESSEMER	239.19	124.9
2	BOOTH ORCHARD	0.09	0.05
3	EXCELSIOR	43.98	22
4	COLLIER	0	0
5	COLORADO	36.11	19.93
6	ROCKY FORD HIGHLINE	25.79	13.37
7	OXFORD	18.28	11.67
8	OTERO	6.46	2.33
9	CATLIN	42.6	26.15
10	FORT LYON US	143.57	63.55
11	ROCKY FORD	0.04	0.02
12	HOLBROOK	139.26	93.18
13	LAS ANIMAS CONSOLIDATED	13.4	6.42
14	BALDWIN-STUBBS	143.7	81.73
15	FORT BENT	7.97	4.47
17	AMITY	44.84	28.3
18	LAMAR/MANVEL	4.24	3.19
19	HYDE	30.67	23.01
20	FORT LYON DS	38.95	28.8
21	XY GRAHAM	0	0
22	BUFFALO	0.12	0.04
24	STATELINE SOLE SOURCE	480.99	360.43
601	APODS FOR WILEY DRAINAGE DITCH	0	0
602	APODS FOR SAPP DITCH	0	0
	TOTAL	1460.25	913.54

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
June 2023

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
0.04	4.49	0.00	28.30	3.19	23.01	28.62	0.00	0.04	0.00	360.43	448.12

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
June 2023

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Remaining Depletion		7.45	14.55	58.31	75.86	28.19	51.42	120.39	412.81	13.71	782.69	
Depletion to Usable SL Flow		6.10	11.92	47.76	62.13	23.09	42.11	98.60	338.09	11.23	641.03	
Replacements	Previous Month Credit											Forward Credit to Next Month
FRY-ARK Return Flows	0.00	0.00	3.34	0.00	0.00						3.34	0.00
Fort Lyon Aug Station/Recharge	0.00	35.53	0.00	228.39	5.63						269.55	0.00
CO Beef - Lamar Center Farm	0.00				0.00						0.00	0.00
Lamar Center Farm	300.54				156.13	144.41					300.54	599.75
Lamar Granada East/West	271.29								0.00		0.00	506.07
Ft Bent Ditch Shares	21.54			125.75							125.75	77.08
Stubbs Direct Flow	15.18								25.78		25.78	40.96
XY Direct Flow	1119.19						315.27				315.27	1434.46
Manvel Direct Flow	87.50					87.50					87.50	175.00
Offset Account Release Credit*	-1735.67										0.00	-1735.67
Offset Account Transit Loss	0.00	0.00			0.00						0.00	0.00
Offset Account Water	0.00	0									0.00	0.00
Total Replacements	1815.24	35.53	3.34	354.14	161.76	231.91	315.27	0.00	25.78	0.00	1127.73	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 0 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline. This resulted in 1735.67 acre-feet of depletions at the state line and no remaining Offset Credits to offset that balance. This was remedied by transferring water into the Kansas Consumable subaccount on July 1, 2023 following an Offset Credit reset on January 1, 2023 following a shortfall in the 2022 HI Model Update.

Enclosure 1

John Martin Offset Accounting for June 2023

Offset Account

June 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
3732.90							101.77							910.03						
1	83.50	886.96	886.96	0.00	7.36	3809.04	1	0.00	0.00	0.00	0.00	0.20	101.57	1	0.00	0.00	886.96	0.00	1.80	21.27
2	107.72	0.03	0.03	0.00	0.00	3916.76	2	0.57	0.03	0.03	0.00	0.00	102.14	2	0.00	0.00	0.00	0.00	0.00	21.27
3	91.98	0.69	0.69	0.00	0.00	4008.74	3	13.92	0.69	0.69	0.00	0.00	116.06	3	0.00	0.00	0.00	0.00	0.00	21.27
4	80.07	0.69	0.69	0.00	0.00	4088.81	4	13.92	0.69	0.69	0.00	0.00	129.98	4	0.00	0.00	0.00	0.00	0.00	21.27
5	118.93	0.69	0.69	0.00	5.95	4201.79	5	13.92	0.69	0.69	0.00	0.19	143.71	5	0.00	0.00	0.00	0.00	0.03	21.24
6	119.70	0.69	0.69	0.00	8.88	4312.61	6	13.92	0.69	0.69	0.00	0.30	157.33	6	0.00	0.00	0.00	0.00	0.05	21.19
7	97.40	0.69	0.69	0.00	5.16	4404.85	7	13.92	0.69	0.69	0.00	0.19	171.06	7	0.00	0.00	0.00	0.00	0.03	21.16
8	128.88	0.69	0.69	0.00	8.94	4524.79	8	13.92	0.69	0.69	0.00	0.34	184.64	8	0.00	0.00	0.00	0.00	0.04	21.12
9	128.35	0.69	0.69	0.00	7.47	4645.67	9	13.92	0.69	0.69	0.00	0.30	198.26	9	0.00	0.00	0.00	0.00	0.04	21.08
10	126.57	0.69	0.69	0.00	7.44	4764.90	10	13.92	0.69	0.69	0.00	0.32	211.86	10	0.00	0.00	0.00	0.00	0.03	21.05
11	119.32	0.69	0.69	0.00	7.34	4876.78	11	13.92	0.69	0.69	0.00	0.33	225.45	11	0.00	0.00	0.00	0.00	0.03	21.02
12	89.44	0.69	0.69	0.00	3.13	4963.09	12	13.92	0.69	0.69	0.00	0.15	239.22	12	0.00	0.00	0.00	0.00	0.01	21.01
13	94.84	0.69	0.69	0.00	5.04	5052.89	13	13.92	0.69	0.69	0.00	0.24	252.90	13	0.00	0.00	0.00	0.00	0.02	20.99
14	114.50	0.69	0.69	0.00	8.14	5159.25	14	13.92	0.69	0.69	0.00	0.41	266.41	14	0.00	0.00	0.00	0.00	0.04	20.95
15	99.70	0.69	0.69	0.00	4.63	5254.32	15	13.92	0.69	0.69	0.00	0.25	280.08	15	0.00	0.00	0.00	0.00	0.02	20.93
16	154.14	0.69	0.69	0.00	10.25	5398.21	16	13.92	0.69	0.69	0.00	0.54	293.46	16	0.00	0.00	0.00	0.00	0.04	20.89
17	141.72	0.27	0.27	0.00	10.28	5529.65	17	5.39	0.27	0.27	0.00	0.56	298.29	17	0.00	0.00	0.00	0.00	0.04	20.85
18	136.69	0.17	0.17	0.00	10.11	5656.23	18	3.48	0.17	0.17	0.00	0.55	301.22	18	0.00	0.00	0.00	0.00	0.04	20.81
19	130.30	0.12	0.12	0.00	9.77	5776.76	19	2.44	0.12	0.12	0.00	0.52	303.14	19	0.00	0.00	0.00	0.00	0.04	20.77
20	126.95	0.00	0.00	0.00	6.95	5896.76	20	0.00	0.00	0.00	0.00	0.37	302.77	20	0.00	0.00	0.00	0.00	0.03	20.74
21	102.93	0.00	0.00	0.00	15.55	5984.14	21	0.00	0.00	0.00	0.00	0.90	301.87	21	0.00	0.00	0.00	0.00	0.06	20.68
22	97.34	0.00	0.00	0.00	2.51	6078.97	22	0.00	0.00	0.00	0.00	0.13	301.74	22	0.00	0.00	0.00	0.00	0.01	20.67
23	67.45	0.00	0.00	0.00	9.11	6137.31	23	0.00	0.00	0.00	0.00	0.45	301.29	23	0.00	0.00	0.00	0.00	0.03	20.64
24	56.90	0.00	0.00	0.00	9.05	6185.16	24	0.00	0.00	0.00	0.00	0.56	300.73	24	0.00	0.00	0.00	0.00	0.03	20.61
25	55.37	0.00	0.00	0.00	8.97	6231.56	25	0.00	0.00	0.00	0.00	0.57	300.16	25	0.00	0.00	0.00	0.00	0.03	20.58
26	51.77	0.00	0.00	0.00	11.38	6271.95	26	0.00	0.00	0.00	0.00	0.73	299.43	26	0.00	0.00	0.00	0.00	0.04	20.54
27	70.71	0.00	0.00	0.00	12.15	6330.51	27	0.00	0.00	0.00	0.00	0.58	298.85	27	0.00	0.00	0.00	0.00	0.04	20.50
28	65.66	0.00	0.00	0.00	7.76	6388.41	28	0.00	0.00	0.00	0.00	0.36	298.49	28	0.00	0.00	0.00	0.00	0.03	20.47
29	32.65	0.00	0.00	0.00	1.84	6419.22	29	0.00	0.00	0.00	0.00	0.12	298.37	29	0.00	0.00	0.00	0.00	0.01	20.46
30	33.06	0.00	0.00	0.00	7.16	6445.12	30	0.00	0.00	0.00	0.00	0.51	297.86	30	0.00	0.00	0.00	0.00	0.02	20.44
2924.54 897.21 897.21 0.00 212.32							206.76 10.25 10.25 0.00 10.67							0.00 0.00 886.96 0.00 2.63						
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
3393.34							1918.91							462.63						
1	83.50	886.96	886.96	0.00	6.69	3470.15	1	83.50	886.96	0.00	0.00	3.78	2885.59	1	0.00	0.00	0.00	0.00	0.91	461.72
2	107.72	0.03	0.03	0.00	0.00	3577.87	2	107.15	0.00	0.00	0.00	0.00	2992.74	2	0.00	0.00	0.00	0.00	0.00	461.72
3	91.98	0.69	0.69	0.00	0.00	3669.85	3	78.06	0.00	0.00	0.00	0.00	3070.80	3	0.00	0.00	0.00	0.00	0.00	461.72
4	80.07	0.69	0.69	0.00	0.00	3749.92	4	66.15	0.00	0.00	0.00	0.00	3136.95	4	0.00	0.00	0.00	0.00	0.00	461.72
5	118.93	0.69	0.69	0.00	5.46	3863.39	5	105.01	0.00	0.00	0.00	4.57	3237.39	5	0.00	0.00	0.00	0.00	0.67	461.05
6	119.70	0.69	0.69	0.00	8.16	3974.93	6	105.78	0.00	0.00	0.00	6.84	3336.33	6	0.00	0.00	0.00	0.00	0.97	460.08
7	97.40	0.69	0.69	0.00	4.76	4067.57	7	83.48	0.00	0.00	0.00	3.99	3415.82	7	0.00	0.00	0.00	0.00	0.55	459.53
8	128.88	0.69	0.69	0.00	8.25	4188.20	8	114.96	0.00	0.00	0.00	6.94	3523.84	8	0.00	0.00	0.00	0.00	0.93	458.60
9	128.35	0.69	0.69	0.00	6.92	4309.63	9	114.43	0.00	0.00	0.00	5.82	3632.45	9	0.00	0.00	0.00	0.00	0.76	457.84
10	126.57	0.69	0.69	0.00	6.81	4429.39	10	112.65	0.00	0.00	0.00	5.74	3739.36	10	0.00	0.00	0.00	0.00	0.72	457.12
11	119.32	0.69	0.69	0.00	6.91	4541.80	11	105.40	0.00	0.00	0.00	5.84	3838.92	11	0.00	0.00	0.00	0.00	0.71	456.41
12	89.44	0.69	0.69	0.00	2.92	4628.32	12	75.52	0.00	0.00	0.00	2.47	3911.97	12	0.00	0.00	0.00	0.00	0.29	456.12
13	94.84	0.69	0.69	0.00	4.70	4718.46	13	80.92	0.00	0.00	0.00	3.98	3988.91	13	0.00	0.00	0.00	0.00	0.46	455.66
14	114.50	0.69	0.69	0.00	7.60	4825.36	14	100.58	0.00	0.00	0.00	6.42	4083.07	14	0.00	0.00	0.00	0.00	0.73	454.93
15	99.70	0.69	0.69	0.00	4.33	4920.73	15	85.78	0.00	0.00	0.00	3.65	4165.20	15	0.00	0.00	0.00	0.00	0.41	454.52
16	154.14	0.69	0.69	0.00	9.60	5065.27	16	140.22	0.00	0.00	0.00	8.13	4297.29	16	0.00	0.00	0.00	0.00	0.89	453.63
17	141.72	0.27	0.27	0.00	9.64	5197.35	17	136.33	0.00	0.00	0.00	8.18	4425.44	17	0.00	0.00	0.00	0.00	0.86	452.77
18	136.69	0.17	0.17	0.00	9.51	5324.53	18	133.21	0.00	0.00	0.00	8.09	4550.56	18	0.00	0.00	0.00	0.00	0.83	451.94
19	130.30	0.12	0.12	0.00	9.19	5445.64	19	127.86	0.00	0.00	0.00	7.85	4670.57	19	0.00	0.00	0.00	0.00	0.78	451.16
20	126.95	0.00	0.00	0.00	6.55	5566.04	20	126.95	0.00	0.00	0.00	5.61	4791.91	20	0.00	0.00	0.00	0.00	0.54	450.62
21	102.93	0.00	0.00	0.00	14.68	5654.29	21	102.93	0.00	0.00	0.00	12.54	4882.30	21	0.00	0.00	0.00	0.00	1.18	449.44
22	97.34	0.00	0.00	0.00	2.37	5749.26	22	97.34	0.00	0.00	0.00	2.04	4977.60	22	0.00	0.00	0.00	0.00	0.19	449.25
23	67.45	0.00	0.00	0.00	8.62	5808.09	23	67.45	0.00	0.00	0.00	7.47	5037.58	23	0.00	0.00	0.00	0.00	0.67	448.58
24	56.90	0.00	0.00	0.00	8.57	5856.42	24	56.90	0.00	0.00	0.00	7.33	5087.15	24	0.00	0.00	0.00	0.00	0.65	447.93
25	55.37	0.00	0.00	0.00	8.50	5903.29	25	55.37	0.00	0.00	0.00	7.26	5135.26	25	0.00	0.00	0.00	0.00	0.64	447.29
26	51.77	0.00	0.00	0.00	10.79	5944.27	26	51.77	0.00	0.00	0.00	9.22	5177.81	26	0.00	0.00	0.00	0.00	0.80	446.49
27	70.71	0.00	0.00	0.00	11.51	6003.47	27	70.71	0.00	0.00	0.00	10.03	5238.49	27	0.00	0.00	0.00	0.00	0.86	445.63
28	65.66	0.00	0.00	0.00	7.36	6061.77	28	65.66	0.00	0.00	0.00	6.42	5297.73	28	0.00	0.00	0.00	0.00	0.55	445.08
29	32.65	0.00	0.00	0.00	1.75	6092.67	29	32.65	0.00	0.00	0.00	1.49	5328.89	29	0.00	0.00	0.00	0.00	0.13	444.95
30	33.06																			

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						339.56							68.83							0.00
1	0.00	0.00	0.00	0.00	0.67	338.89	1	0.00	0.00	0.00	0.00	0.14	68.69	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	338.89	2	0.00	0.00	0.00	0.00	0.00	68.69	2	0.43	0.00	0.02	0.00	0.00	0.41
3	0.00	0.00	0.00	0.00	0.00	338.89	3	0.00	0.00	0.00	0.00	0.00	68.69	3	10.44	0.00	0.52	0.00	0.00	10.33
4	0.00	0.00	0.00	0.00	0.00	338.89	4	0.00	0.00	0.00	0.00	0.00	68.69	4	10.44	0.00	0.52	0.00	0.00	20.25
5	0.00	0.00	0.00	0.00	0.49	338.40	5	0.00	0.00	0.00	0.00	0.10	68.59	5	10.44	0.00	0.52	0.00	0.03	30.14
6	0.00	0.00	0.00	0.00	0.72	337.68	6	0.00	0.00	0.00	0.00	0.15	68.44	6	10.44	0.00	0.52	0.00	0.06	40.00
7	0.00	0.00	0.00	0.00	0.40	337.28	7	0.00	0.00	0.00	0.00	0.08	68.36	7	10.44	0.00	0.52	0.00	0.05	49.87
8	0.00	0.00	0.00	0.00	0.69	336.59	8	0.00	0.00	0.00	0.00	0.14	68.22	8	10.44	0.00	0.52	0.00	0.10	59.69
9	0.00	0.00	0.00	0.00	0.55	336.04	9	0.00	0.00	0.00	0.00	0.11	68.11	9	10.44	0.00	0.52	0.00	0.10	69.51
10	0.00	0.00	0.00	0.00	0.53	335.51	10	0.00	0.00	0.00	0.00	0.11	68.00	10	10.44	0.00	0.52	0.00	0.11	79.32
11	0.00	0.00	0.00	0.00	0.21	334.98	11	0.00	0.00	0.00	0.00	0.11	67.89	11	10.44	0.00	0.52	0.00	0.12	89.12
12	0.00	0.00	0.00	0.00	0.34	334.43	12	0.00	0.00	0.00	0.00	0.04	67.85	12	10.44	0.00	0.52	0.00	0.06	98.98
13	0.00	0.00	0.00	0.00	0.54	333.89	13	0.00	0.00	0.00	0.00	0.07	67.78	13	10.44	0.00	0.52	0.00	0.10	108.80
14	0.00	0.00	0.00	0.00	0.30	333.59	14	0.00	0.00	0.00	0.00	0.11	67.67	14	10.44	0.00	0.52	0.00	0.18	118.54
15	0.00	0.00	0.00	0.00	0.65	332.94	15	0.00	0.00	0.00	0.00	0.06	67.61	15	10.44	0.00	0.52	0.00	0.11	128.35
16	0.00	0.00	0.00	0.00	0.64	332.30	16	0.00	0.00	0.00	0.00	0.13	67.48	16	10.44	0.00	0.52	0.00	0.25	138.02
17	0.00	0.00	0.00	0.00	0.60	331.70	17	0.00	0.00	0.00	0.00	0.13	67.35	17	1.91	0.00	0.10	0.00	0.26	139.57
18	0.00	0.00	0.00	0.00	0.58	331.12	18	0.00	0.00	0.00	0.00	0.12	67.23	18	0.00	0.00	0.00	0.00	0.26	139.31
19	0.00	0.00	0.00	0.00	0.40	330.72	19	0.00	0.00	0.00	0.00	0.12	67.11	19	0.00	0.00	0.00	0.00	0.24	139.07
20	0.00	0.00	0.00	0.00	0.87	329.85	20	0.00	0.00	0.00	0.00	0.08	67.03	20	0.00	0.00	0.00	0.00	0.17	138.90
21	0.00	0.00	0.00	0.00	0.14	329.71	21	0.00	0.00	0.00	0.00	0.18	66.85	21	0.00	0.00	0.00	0.00	0.46	138.44
22	0.00	0.00	0.00	0.00	0.49	329.22	22	0.00	0.00	0.00	0.00	0.03	66.82	22	0.00	0.00	0.00	0.00	0.06	138.38
23	0.00	0.00	0.00	0.00	0.48	328.74	23	0.00	0.00	0.00	0.00	0.10	66.72	23	0.00	0.00	0.00	0.00	0.20	138.18
24	0.00	0.00	0.00	0.00	0.47	328.27	24	0.00	0.00	0.00	0.00	0.10	66.62	24	0.00	0.00	0.00	0.00	0.30	137.88
25	0.00	0.00	0.00	0.00	0.59	327.68	25	0.00	0.00	0.00	0.00	0.10	66.52	25	0.00	0.00	0.00	0.00	0.31	137.57
26	0.00	0.00	0.00	0.00	0.64	327.04	26	0.00	0.00	0.00	0.00	0.12	66.40	26	0.00	0.00	0.00	0.00	0.40	137.17
27	0.00	0.00	0.00	0.00	0.40	326.64	27	0.00	0.00	0.00	0.00	0.13	66.27	27	0.00	0.00	0.00	0.00	0.26	136.91
28	0.00	0.00	0.00	0.00	0.09	326.55	28	0.00	0.00	0.00	0.00	0.08	66.19	28	0.00	0.00	0.00	0.00	0.16	136.75
29	0.00	0.00	0.00	0.00	0.35	326.20	29	0.00	0.00	0.00	0.00	0.02	66.17	29	0.00	0.00	0.00	0.00	0.07	136.68
30	0.00	0.00	0.00	0.00			30	0.00	0.00	0.00	0.00	0.07	66.10	30	0.00	0.00	0.00	0.00	0.30	136.38
	0.00	0.00	0.00	0.00	13.36			0.00	0.00	0.00	0.00	2.73		148.50	0.00	7.40	0.00	4.72		
OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						270.73							101.52							0.25
1	0.00	0.00	0.00	0.00	0.53	270.20	1	0.00	0.00	0.00	0.00	0.20	101.32	1	0.00	0.00	0.00	0.00	0.00	0.25
2	0.00	0.00	0.00	0.00	0.00	270.20	2	0.00	0.03	0.00	0.00	0.00	101.35	2	0.14	0.00	0.01	0.00	0.00	0.38
3	0.00	0.00	0.00	0.00	0.00	270.20	3	0.00	0.69	0.00	0.00	0.00	102.04	3	3.48	0.00	0.17	0.00	0.00	3.69
4	0.00	0.00	0.00	0.00	0.00	270.20	4	0.00	0.69	0.00	0.00	0.00	102.73	4	3.48	0.00	0.17	0.00	0.00	7.00
5	0.00	0.00	0.00	0.00	0.39	269.81	5	0.00	0.69	0.00	0.00	0.15	103.27	5	3.48	0.00	0.17	0.00	0.01	10.30
6	0.00	0.00	0.00	0.00	0.57	269.24	6	0.00	0.69	0.00	0.00	0.22	103.74	6	3.48	0.00	0.17	0.00	0.02	13.59
7	0.00	0.00	0.00	0.00	0.32	268.92	7	0.00	0.69	0.00	0.00	0.12	104.31	7	3.48	0.00	0.17	0.00	0.02	16.88
8	0.00	0.00	0.00	0.00	0.55	268.37	8	0.00	0.69	0.00	0.00	0.21	104.79	8	3.48	0.00	0.17	0.00	0.03	20.16
9	0.00	0.00	0.00	0.00	0.44	267.93	9	0.00	0.69	0.00	0.00	0.17	105.31	9	3.48	0.00	0.17	0.00	0.03	23.44
10	0.00	0.00	0.00	0.00	0.42	267.51	10	0.00	0.69	0.00	0.00	0.17	105.83	10	3.48	0.00	0.17	0.00	0.04	26.71
11	0.00	0.00	0.00	0.00	0.42	267.09	11	0.00	0.69	0.00	0.00	0.17	106.35	11	3.48	0.00	0.17	0.00	0.04	29.98
12	0.00	0.00	0.00	0.00	0.17	266.92	12	0.00	0.69	0.00	0.00	0.07	106.97	12	3.48	0.00	0.17	0.00	0.02	33.27
13	0.00	0.00	0.00	0.00	0.27	266.65	13	0.00	0.69	0.00	0.00	0.11	107.55	13	3.48	0.00	0.17	0.00	0.03	36.55
14	0.00	0.00	0.00	0.00	0.43	266.22	14	0.00	0.69	0.00	0.00	0.17	108.07	14	3.48	0.00	0.17	0.00	0.06	39.80
15	0.00	0.00	0.00	0.00	0.24	265.98	15	0.00	0.69	0.00	0.00	0.10	108.66	15	3.48	0.00	0.17	0.00	0.04	43.07
16	0.00	0.00	0.00	0.00	0.52	265.46	16	0.00	0.69	0.00	0.00	0.21	109.14	16	3.48	0.00	0.17	0.00	0.08	46.30
17	0.00	0.00	0.00	0.00	0.51	264.95	17	0.00	0.27	0.00	0.00	0.21	109.20	17	3.48	0.00	0.17	0.00	0.09	49.52
18	0.00	0.00	0.00	0.00	0.48	264.47	18	0.00	0.17	0.00	0.00	0.20	109.17	18	3.48	0.00	0.17	0.00	0.09	52.74
19	0.00	0.00	0.00	0.00	0.46	264.01	19	0.00	0.12	0.00	0.00	0.19	109.10	19	2.44	0.00	0.12	0.00	0.09	54.97
20	0.00	0.00	0.00	0.00	0.32	263.69	20	0.00	0.00	0.00	0.00	0.13	108.97	20	0.00	0.00	0.00	0.00	0.07	54.90
21	0.00	0.00	0.00	0.00	0.69	263.00	21	0.00	0.00	0.00	0.00	0.29	108.68	21	0.00	0.00	0.00	0.00	0.15	54.75
22	0.00	0.00	0.00	0.00	0.11	262.89	22	0.00	0.00	0.00	0.00	0.05	108.63	22	0.00	0.00	0.00	0.00	0.02	54.73
23	0.00	0.00	0.00	0.00	0.39	262.50	23	0.00	0.00	0.00	0.00	0.17	108.46	23	0.00	0.00	0.00	0.00	0.08	54.65
24	0.00	0.00	0.00	0.00	0.38	262.12	24	0.00	0.00	0.00	0.00	0.16	108.30	24	0.00	0.00	0.00	0.00	0.10	54.55
25	0.00	0.00	0.00	0.00	0.37	261.75	25	0.00	0.00	0.00	0.00	0.16	108.14	25	0.00	0.00	0.00	0.00	0.10	54.45
26	0.00	0.00	0.00	0.00	0.47	261.28	26	0.00	0.00	0.00	0.00	0.20	107.94	26	0.00	0.00	0.00	0.00	0.13	54.32
27	0.00	0.00	0.00	0.00	0.51	260.77	27	0.00	0.00	0.00	0.00	0.22	107.72	27	0.00	0.00	0.00	0.00	0.10	54.22
28	0.00	0.00	0.00	0.00	0.32	260.45	28	0.00	0.00	0.00	0.00	0.14	107.58	28	0.00	0.00	0.00	0.00	0.06	54.16
29	0.00	0.00	0.00	0.00	0.07	260.38	29	0.00	0.00	0.00	0.00	0.03	107.55	29	0.00	0.00	0.00	0.00	0.02	54.14
30	0.00	0.00	0.00	0.00	0.28	260.10	30	0.00	0.00	0.00	0.00	0.11	107.44	30	0.00					



November 9, 2023

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Ms. Stephanie Gonzales
Recording Secretary
Arkansas River Compact Administration
P.O. Box 1106
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for July 2023

Dear Mr. Lewis and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended April 30, 1998** (“Resolution”). This letter reports the monthly pumping in excess of Colorado’s pre-Compact entitlement, Colorado’s monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of July, 2023.

Table 1 shows the amount of pumping during the month of July 2023 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** (“Rules”) approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.



These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13 an amount of 13% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 4 days in July 2023. In Reaches 14, 15, and 16, an amount of 26% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 8 days July 2023.

The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

Lower Arkansas Water Management Association (LAWMA) delivered 1,032.07 acre-feet of Fort Lyon Canal shares, 1906.50 acre-feet of Highland Canal shares, and 126.77 acre-feet of Keesee Ditch shares to the Consumable Downstream Subaccount. Catlin Augmentation Association (CAA) delivered 73.39 acre-feet of consumable water to the CAA Upstream Consumable subaccount generated from Catlin shares changed in 12CW94 between July 14, and July 20, 2023 with a release from Lake Meredith. In addition, Colorado Springs Utilities (CSU) delivered 2,927.30 acre-feet of consumable water on behalf of LAWMA from July 2 through July 6, 2023 to the Colorado Downstream Consumable subaccount. Deliveries to the Offset Account in July 2023 totalled 6066.00 acre-feet.

LAWMA transferred 1,735.92 acre-feet of consumable water from the Colorado Downstream Consumable subaccount to the Kansas consumable account on July 1, 2023 to replace depletions to the Stateline as estimated by the Colorado monthly accounting for January, February, March and April 2023. The total amount of transfers within the offset account not associated with the 5% storage charge was 1,735.92 acre-feet.

On July 18, 2023 LAWMA transferred 1,134.66 acre-feet into the Colorado Downstream Consumable subaccount, 59.62 acre-feet into the Return Flow Transit Loss subaccount, and 642.78 acre-feet into the Return Flow subaccount from LAWMA's X-Y Article II account. On July 19, 2023 LAWMA transferred 539.37 acre-feet into the Colorado Downstream Consumable subaccount, 4.19 acre-feet into the Return Flow Transit Loss subaccount, and 77.18 acre-feet into the Return Flow Subaccount. The

total amount of water transferred into the Offset Account in July 2023 totalled 2,457.80 acre-feet.

On July 17, 2023, Kansas started a combined Section II and Offset Account release of 550 cfs at 10:00 AM that continued until Friday, July 21, 2023 at 9:00 AM. At that time, the release decreased to 500 cfs. This release rate continued until Wednesday July 28, 2023 at 9:00 AM. At that time, the release increased to 600 cfs that continued until Thursday, August 24, 2023, with the Offset Account release only continuing through Thursday, August 10, 2023. Kansas released 624.34 acre-feet from the Kansas Charge subaccount, 1719.88 acre-feet from the Kansas Consumable subaccount, 970.82 acre-feet from the Return Flow subaccount, 127.92 acre-feet from the Return Flow Transit Loss Subaccount and 4670.77 acre-feet from the Consumable Downstream subaccount. The releases for the month of July 2023 totaled 8113.73 acre-feet.

As of July 31, 2023, a total of 6464.03 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of July 2023 is attached in Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Rachel A. Zancanella, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Rachel Zancanella
Noah Friesen
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
July 2023

USER NO.	DITCH NAME	PUMPED (AF)	WELLHEAD DEPL (AF)
1	BESSEMER	952.87	415.39
2	BOOTH ORCHARD	9.19	4.6
3	EXCELSIOR	89.18	44.61
4	COLLIER	0	0
5	COLORADO	207.69	141.02
6	ROCKY FORD HIGHLINE	398.54	163.25
7	OXFORD	329.59	127.24
8	OTERO	5.36	1.93
9	CATLIN	581.21	266.67
10	FORT LYON US	596.46	282.79
11	ROCKY FORD	17.83	8.92
12	HOLBROOK	231.28	142.51
13	LAS ANIMAS CONSOLIDATED	35.47	14.12
14	BALDWIN-STUBBS	181.61	98.38
15	FORT BENT	50.53	36.69
17	AMITY	310.36	194.57
18	LAMAR/MANVEL	40.24	27.12
19	HYDE	3.82	2.87
20	FORT LYON DS	243.92	127.87
21	XY GRAHAM	270.33	173.94
22	BUFFALO	56.85	22.73
24	STATELINE SOLE SOURCE	774.76	578.54
601	APODS FOR WILEY DRAINAGE DITCH	12.21	4.4
602	APODS FOR SAPP DITCH	7.02	5.27
	TOTAL	5406.32	2885.43

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
July 2023

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
0.56	21.76	0.00	194.57	27.12	2.87	126.24	173.94	22.73	0.00	578.54	1148.33

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
July 2023

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Remaining Depletion		11.67	22.83	89.04	54.80	19.99	38.63	127.22	447.10	0.00	811.28	
Depletion to Usable SL Flow		9.56	18.70	72.92	44.88	16.37	31.64	104.19	366.17	0.00	664.44	
Replacements	Previous Month Credit											Forward Credit to Next Month
FRY-ARK Return Flows	0.00	0.00	2.81	0.00	0.00						2.81	2.81
Fort Lyon Aug Station/Recharge	0.00	0.00	0.00	239.29	0.00						239.29	239.29
CO Beef - Lamar Center Farm	0.00				0.00						0.00	0.00
Lamar Center Farm	599.75				405.92	193.83					599.75	506.54
Lamar Granada East/West	506.07								0.00		0.00	715.43
Ft Bent Ditch Shares	77.08			0.00							0.00	0.00
Stubbs Direct Flow	40.96								18.91		18.91	59.87
XY Direct Flow	1434.46						164.46				164.46	1598.92
Manvel Direct Flow	175.00					87.50					87.50	262.50
Offset Account Release Credit*	-1735.67										0.00	2381.91
Offset Account Transit Loss	0.00	435.40			233.40			96.80			765.60	765.60
Offset Account Water	1735.92	0									0.00	1735.92
Total Replacements	2833.32	435.40	2.81	239.29	639.32	281.33	164.46	96.80	18.91	0.00	1878.32	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 0 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline. There was a transfer of water into the Kansas Consumable subaccount on July 1, 2023 of 1735.67 acre-feet to replace stateline depletions. There was 2381.66 AF of credit generated from the Kansas Release.

Enclosure 1

John Martin Offset Accounting for July 2023

Offset Account

July 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6445.12							297.86							20.44
1	137.17	1735.92	1735.92	0.00	6.97	6575.32	1	0.00	0.00	0.00	0.00	0.33	297.53	1	0.00	1735.92	0.00	0.00	0.02	1756.34
2	246.11	0.00	0.00	0.00	7.34	6814.09	2	0.00	0.00	0.00	0.00	0.33	297.20	2	0.00	0.00	0.00	0.00	1.96	1754.38
3	1118.65	0.00	0.00	0.00	4.93	7927.81	3	0.00	0.00	0.00	0.00	0.22	296.98	3	0.00	0.00	0.00	0.00	1.27	1753.11
4	1074.75	0.00	0.00	0.00	5.70	8996.86	4	0.00	0.00	0.00	0.00	0.22	296.76	4	0.00	0.00	0.00	0.00	1.26	1751.85
5	789.29	0.00	0.00	0.00	0.93	9785.22	5	0.00	0.00	0.00	0.00	0.03	296.73	5	0.00	0.00	0.00	0.00	0.18	1751.67
6	374.22	0.00	0.00	0.00	2.00	10157.44	6	0.00	0.00	0.00	0.00	0.06	296.67	6	0.00	0.00	0.00	0.00	0.36	1751.31
7	122.03	0.00	0.00	0.00	18.92	10260.55	7	0.00	0.00	0.00	0.00	0.55	296.12	7	0.00	0.00	0.00	0.00	3.26	1748.05
8	155.52	0.00	0.00	0.00	18.78	10397.29	8	0.00	0.00	0.00	0.00	0.55	295.57	8	0.00	0.00	0.00	0.00	3.20	1744.85
9	153.04	0.00	0.00	0.00	18.90	10531.43	9	0.00	0.00	0.00	0.00	0.54	295.03	9	0.00	0.00	0.00	0.00	3.17	1741.68
10	159.06	0.00	0.00	0.00	23.94	10666.55	10	0.00	0.00	0.00	0.00	0.67	294.36	10	0.00	0.00	0.00	0.00	3.96	1737.72
11	153.75	0.00	0.00	0.00	13.01	11207.29	11	0.00	0.00	0.00	0.00	0.36	294.00	11	0.00	0.00	0.00	0.00	2.12	1735.60
12	139.68	0.00	0.00	0.00	19.31	10927.66	12	0.00	0.00	0.00	0.00	0.53	293.47	12	0.00	0.00	0.00	0.00	3.10	1732.50
13	126.04	2.29	2.29	0.00	6.59	11047.11	13	0.00	0.00	0.00	0.00	0.17	293.30	13	0.00	0.00	0.00	0.00	1.05	1731.45
14	162.32	8.11	8.11	0.00	13.68	11195.75	14	10.48	0.00	0.52	0.00	0.37	302.89	14	0.00	0.00	0.00	0.00	2.14	1729.31
15	120.99	6.05	6.05	0.00	13.88	11302.86	15	10.48	0.00	0.52	0.00	0.38	312.47	15	0.00	0.00	0.00	0.00	2.14	1727.17
16	83.17	4.15	4.15	0.00	13.99	11372.04	16	10.48	0.00	0.52	0.00	0.39	322.04	16	0.00	0.00	0.00	0.00	2.14	1725.03
17	157.97	7.89	7.89	396.70	17.93	11115.38	17	10.48	0.00	0.52	0.00	0.51	331.49	17	0.00	0.00	0.00	396.70	2.72	1325.61
18	117.84	1934.80	97.74	793.40	15.02	12261.86	18	10.48	0.00	0.52	0.00	0.45	341.00	18	0.00	0.00	0.00	793.40	1.79	530.42
19	64.91	655.02	34.28	793.40	14.71	12139.40	19	10.48	0.00	0.52	0.00	0.41	350.55	19	0.00	0.00	0.00	529.78	0.64	0.00
20	52.09	2.60	2.60	793.40	23.54	11374.55	20	10.48	0.00	0.52	0.00	0.68	359.83	20	0.00	0.00	0.00	0.00	0.00	0.00
21	98.84	4.94	4.94	793.40	13.64	10666.35	21	0.00	0.00	0.00	0.00	0.44	359.39	21	0.00	0.00	0.00	0.00	0.00	0.00
22	104.55	5.23	5.23	793.40	12.76	9964.74	22	0.00	0.00	0.00	0.00	0.44	358.95	22	0.00	0.00	0.00	0.00	0.00	0.00
23	106.53	5.33	5.33	793.40	11.61	9266.26	23	0.00	0.00	0.00	0.00	0.41	358.54	23	0.00	0.00	0.00	0.00	0.00	0.00
24	19.78	0.99	0.99	793.40	18.02	8474.62	24	0.00	0.00	0.00	0.00	0.70	357.84	24	0.00	0.00	0.00	0.00	0.00	0.00
25	17.19	0.86	0.86	793.40	13.31	7685.10	25	0.00	0.00	0.00	0.00	0.56	357.28	25	0.00	0.00	0.00	0.00	0.00	0.00
26	23.88	1.19	1.19	198.02	10.65	7500.31	26	0.00	0.00	0.00	0.00	0.49	356.79	26	0.00	0.00	0.00	0.00	0.00	0.00
27	45.48	2.27	2.27	198.68	11.67	7335.44	27	0.00	0.00	0.00	0.00	0.56	356.23	27	0.00	0.00	0.00	0.00	0.00	0.00
28	43.72	2.19	2.19	229.34	11.00	7138.82	28	0.00	0.00	0.00	0.00	0.54	355.69	28	0.00	0.00	0.00	0.00	0.00	0.00
29	34.34	1.72	1.72	247.93	10.76	6914.46	29	0.00	0.00	0.00	0.00	0.54	355.15	29	0.00	0.00	0.00	0.00	0.00	0.00
30	34.77	1.74	1.74	247.93	10.27	6691.04	30	0.00	0.00	0.00	0.00	0.53	354.62	30	0.00	0.00	0.00	0.00	0.00	0.00
31	28.32	1.42	1.42	247.93	7.40	6464.03	31	0.00	0.00	0.00	0.00	0.39	354.23	31	0.00	0.00	0.00	0.00	0.00	0.00
	6066.00	4384.71	1926.91	8113.73	391.16			73.36	0.00	3.64	0.00	13.35			0.00	1735.92	0.00	1719.88	36.48	
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6118.92							5356.15							444.47
1	137.17	1735.92	1735.92	0.00	6.62	6249.47	1	137.17	0.00	1735.92	0.00	5.79	3751.61	1	0.00	0.00	0.00	0.00	0.48	443.99
2	246.11	0.00	0.00	0.00	6.98	6488.60	2	246.11	0.00	0.00	0.00	4.19	3993.53	2	0.00	0.00	0.00	0.00	0.50	443.49
3	1118.65	0.00	0.00	0.00	4.69	7602.56	3	1118.65	0.00	0.00	0.00	2.88	5109.30	3	0.00	0.00	0.00	0.00	0.32	443.17
4	1074.75	0.00	0.00	0.00	5.46	8671.85	4	1074.75	0.00	0.00	0.00	3.66	6180.39	4	0.00	0.00	0.00	0.00	0.32	442.85
5	789.29	0.00	0.00	0.00	0.89	9460.25	5	789.29	0.00	0.00	0.00	0.63	6969.05	5	0.00	0.00	0.00	0.00	0.05	442.80
6	374.22	0.00	0.00	0.00	1.94	9832.53	6	374.22	0.00	0.00	0.00	1.43	7341.84	6	0.00	0.00	0.00	0.00	0.09	442.71
7	122.03	0.00	0.00	0.00	18.32	9936.24	7	122.03	0.00	0.00	0.00	13.68	7450.19	7	0.00	0.00	0.00	0.00	0.83	441.88
8	155.52	0.00	0.00	0.00	18.19	10073.57	8	155.52	0.00	0.00	0.00	13.63	7592.08	8	0.00	0.00	0.00	0.00	0.81	441.07
9	153.04	0.00	0.00	0.00	18.31	10208.30	9	153.04	0.00	0.00	0.00	13.80	7731.32	9	0.00	0.00	0.00	0.00	0.80	440.27
10	159.06	0.00	0.00	0.00	23.20	10344.16	10	159.06	0.00	0.00	0.00	17.57	7872.81	10	0.00	0.00	0.00	0.00	1.00	439.27
11	153.75	0.00	0.00	0.00	12.62	10485.29	11	153.75	0.00	0.00	0.00	9.60	8016.96	11	0.00	0.00	0.00	0.00	0.54	438.73
12	139.68	0.00	0.00	0.00	18.73	10606.24	12	139.68	0.00	0.00	0.00	14.32	8142.32	12	0.00	0.00	0.00	0.00	0.78	437.95
13	126.04	2.29	2.29	0.00	6.40	10725.88	13	126.04	0.00	2.29	0.00	4.92	8261.15	13	0.00	2.29	0.00	0.00	0.26	439.98
14	162.32	8.11	8.11	0.00	13.28	10874.92	14	151.84	0.00	7.59	0.00	10.23	8395.17	14	0.00	8.11	0.00	0.00	0.54	447.55
15	120.99	6.05	6.05	0.00	13.48	10982.43	15	110.51	0.00	5.53	0.00	10.40	8489.75	15	0.00	6.05	0.00	0.00	0.56	453.04
16	83.17	4.15	4.15	0.00	13.59	11052.01	16	72.69	0.00	3.63	0.00	10.49	8548.32	16	0.00	4.15	0.00	0.00	0.57	456.62
17	157.97	7.89	7.89	396.70	17.43	10795.85	17	147.49	0.00	7.37	0.00	13.47	8674.97	17	0.00	7.89	0.00	0.00	0.73	463.78
18	117.84	1232.40	97.74	793.40	14.59	11240.36	18	107.36	1134.66	97.22	0.00	11.73	9808.04	18	0.00	97.74	0.00	0.00	0.62	560.90
19	64.91	573.65	34.28	793.40	13.48	11037.75	19	54.43	539.37	33.76	0.00	11.75	10356.33	19	0.00	34.28	0.00	263.62	0.68	330.88
20	52.09	2.60	2.60	329.62	21.40	10738.82	20	41.61	0.00	2.08	0.00	20.08	10375.78	20	0.00	2.60	0.00	329.62	0.64	3.22
21	98.84	4.94	4.94	158.44	12.88	10666.34	21	98.84	0.00	4.94	150.28	12.44	10306.96	21	0.00	4.94	0.00	8.16	0.00	0.00
22	104.55	5.23	5.23	793.40	12.76	9964.73	22	104.55	0.00	5.23	788.17	12.32	9605.79	22	0.00	5.23	0.00	5.23	0.00	0.00
23	106.53	5.33	5.33	793.40	11.61	9266.25	23	106.53	0.00	5.33	788.07	11.20	8907.71	23	0.00	5.33	0.00	5.33	0.00	0.00
24	19.78	0.99	0.99	793.40	18.02	8474.61	24	19.78	0.00	0.99	792.41	17.31	8116.78	24	0.00	0.99	0.00	0.99	0.01	-0.01
25	17.19	0.86	0.86	793.40	13.31	7685.09	25	17.19	0.00	0.86										

Offset Account

July 2023

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						326.20							66.10							136.38
1	0.00	0.00	0.00	0.00	0.35	325.85	1	0.00	0.00	0.00	0.00	0.07	66.03	1	0.00	0.00	0.00	0.00	0.15	136.23
2	0.00	0.00	0.00	0.00	0.36	325.49	2	0.00	0.00	0.00	0.00	0.07	65.96	2	0.00	0.00	0.00	0.00	0.15	136.08
3	0.00	0.00	0.00	0.00	0.24	325.25	3	0.00	0.00	0.00	0.00	0.05	65.91	3	0.00	0.00	0.00	0.00	0.10	135.98
4	0.00	0.00	0.00	0.00	0.24	325.01	4	0.00	0.00	0.00	0.00	0.05	65.86	4	0.00	0.00	0.00	0.00	0.10	135.88
5	0.00	0.00	0.00	0.00	0.04	324.97	5	0.00	0.00	0.00	0.00	0.01	65.85	5	0.00	0.00	0.00	0.00	0.01	135.87
6	0.00	0.00	0.00	0.00	0.06	324.91	6	0.00	0.00	0.00	0.00	0.01	65.84	6	0.00	0.00	0.00	0.00	0.03	135.84
7	0.00	0.00	0.00	0.00	0.60	324.31	7	0.00	0.00	0.00	0.00	0.12	65.72	7	0.00	0.00	0.00	0.00	0.25	135.59
8	0.00	0.00	0.00	0.00	0.59	323.72	8	0.00	0.00	0.00	0.00	0.12	65.60	8	0.00	0.00	0.00	0.00	0.25	135.34
9	0.00	0.00	0.00	0.00	0.59	323.13	9	0.00	0.00	0.00	0.00	0.12	65.48	9	0.00	0.00	0.00	0.00	0.25	135.09
10	0.00	0.00	0.00	0.00	0.74	322.39	10	0.00	0.00	0.00	0.00	0.15	65.33	10	0.00	0.00	0.00	0.00	0.31	134.78
11	0.00	0.00	0.00	0.00	0.39	322.00	11	0.00	0.00	0.00	0.00	0.08	65.25	11	0.00	0.00	0.00	0.00	0.16	134.62
12	0.00	0.00	0.00	0.00	0.58	321.42	12	0.00	0.00	0.00	0.00	0.12	65.13	12	0.00	0.00	0.00	0.00	0.24	134.38
13	0.00	0.00	0.00	0.00	0.19	321.23	13	0.00	0.00	0.00	0.00	0.04	65.09	13	0.00	0.00	0.00	0.00	0.08	134.30
14	0.00	0.00	0.00	0.00	0.40	320.83	14	0.00	0.00	0.00	0.00	0.08	65.01	14	0.00	0.00	0.00	0.00	0.17	134.13
15	0.00	0.00	0.00	0.00	0.40	320.43	15	0.00	0.00	0.00	0.00	0.08	64.93	15	0.00	0.00	0.00	0.00	0.17	133.96
16	0.00	0.00	0.00	0.00	0.40	320.03	16	0.00	0.00	0.00	0.00	0.08	64.85	16	0.00	0.00	0.00	0.00	0.17	133.79
17	0.00	0.00	0.00	0.00	0.50	319.53	17	0.00	0.00	0.00	0.00	0.10	64.75	17	0.00	0.00	0.00	0.00	0.21	133.58
18	0.00	702.40	0.00	0.00	0.43	1021.50	18	0.00	59.62	0.00	0.00	0.09	124.28	18	0.00	0.00	0.00	0.00	0.18	133.40
19	0.00	81.37	0.00	0.00	1.23	1101.64	19	0.00	4.19	0.00	0.00	0.15	128.32	19	0.00	0.00	0.00	0.00	0.16	133.24
20	0.00	0.00	0.00	463.78	2.14	635.72	20	0.00	0.00	0.00	0.00	0.25	128.07	20	0.00	0.00	0.00	0.00	0.26	132.98
21	0.00	0.00	0.00	634.96	0.76	0.00	21	0.00	0.00	0.00	127.92	0.15	0.00	21	0.00	0.00	0.00	0.00	0.16	132.82
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.16	132.66
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.15	132.51
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.26	132.25
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.21	132.04
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.18	131.86
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.21	131.65
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.20	131.45
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.20	131.25
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.20	131.05
31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	0.15	130.90
	0.00	783.77	0.00	1098.74	11.23			0.00	63.81	0.00	127.92	1.99			0.00	0.00	0.00	0.00	5.48	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						260.10							107.44							54.04
1	0.00	0.00	0.00	0.00	0.28	259.82	1	0.00	0.00	0.00	0.00	0.12	107.32	1	0.00	0.00	0.00	0.00	0.06	53.98
2	0.00	0.00	0.00	0.00	0.29	259.53	2	0.00	0.00	0.00	0.00	0.12	107.20	2	0.00	0.00	0.00	0.00	0.06	53.92
3	0.00	0.00	0.00	0.00	0.19	259.34	3	0.00	0.00	0.00	0.00	0.08	107.12	3	0.00	0.00	0.00	0.00	0.04	53.88
4	0.00	0.00	0.00	0.00	0.19	259.15	4	0.00	0.00	0.00	0.00	0.08	107.04	4	0.00	0.00	0.00	0.00	0.04	53.84
5	0.00	0.00	0.00	0.00	0.03	259.12	5	0.00	0.00	0.00	0.00	0.01	107.03	5	0.00	0.00	0.00	0.00	0.01	53.83
6	0.00	0.00	0.00	0.00	0.05	259.07	6	0.00	0.00	0.00	0.00	0.02	107.01	6	0.00	0.00	0.00	0.00	0.01	53.82
7	0.00	0.00	0.00	0.00	0.48	258.59	7	0.00	0.00	0.00	0.00	0.20	106.81	7	0.00	0.00	0.00	0.00	0.10	53.72
8	0.00	0.00	0.00	0.00	0.47	258.12	8	0.00	0.00	0.00	0.00	0.20	106.61	8	0.00	0.00	0.00	0.00	0.10	53.62
9	0.00	0.00	0.00	0.00	0.47	257.65	9	0.00	0.00	0.00	0.00	0.19	106.42	9	0.00	0.00	0.00	0.00	0.10	53.52
10	0.00	0.00	0.00	0.00	0.59	257.06	10	0.00	0.00	0.00	0.00	0.24	106.18	10	0.00	0.00	0.00	0.00	0.12	53.40
11	0.00	0.00	0.00	0.00	0.31	256.75	11	0.00	0.00	0.00	0.00	0.13	106.05	11	0.00	0.00	0.00	0.00	0.07	53.33
12	0.00	0.00	0.00	0.00	0.46	256.29	12	0.00	0.00	0.00	0.00	0.19	105.86	12	0.00	0.00	0.00	0.00	0.10	53.23
13	0.00	0.00	0.00	0.00	0.15	256.14	13	0.00	0.00	0.00	0.00	0.06	105.80	13	0.00	0.00	0.00	0.00	0.03	53.20
14	0.00	0.00	0.00	0.00	0.32	255.82	14	0.00	0.00	0.00	0.00	0.13	105.67	14	10.48	0.00	0.52	0.00	0.07	63.09
15	0.00	0.00	0.00	0.00	0.32	255.50	15	0.00	0.00	0.00	0.00	0.13	105.54	15	10.48	0.00	0.52	0.00	0.08	72.97
16	0.00	0.00	0.00	0.00	0.32	255.18	16	0.00	0.00	0.00	0.00	0.13	105.41	16	10.48	0.00	0.52	0.00	0.09	82.84
17	0.00	0.00	0.00	0.00	0.40	254.78	17	0.00	0.00	0.00	0.00	0.17	105.24	17	10.48	0.00	0.52	0.00	0.13	92.67
18	0.00	642.78	0.00	0.00	0.34	897.22	18	0.00	0.00	0.00	0.00	0.14	105.10	18	10.48	0.00	0.52	0.00	0.13	102.50
19	0.00	77.18	0.00	0.00	1.08	973.32	19	0.00	0.00	0.00	0.00	0.13	104.97	19	10.48	0.00	0.52	0.00	0.12	112.34
20	0.00	0.00	0.00	463.78	1.89	507.65	20	0.00	0.00	0.00	0.00	0.20	104.77	20	10.48	0.00	0.52	0.00	0.22	122.08
21	0.00	0.00	0.00	507.04	0.61	0.00	21	0.00	0.00	0.00	0.00	0.13	104.64	21	0.00	0.00	0.00	0.00	0.15	121.93
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.13	104.51	22	0.00	0.00	0.00	0.00	0.15	121.78
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.12	104.39	23	0.00	0.00	0.00	0.00	0.14	121.64
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.20	104.19	24	0.00	0.00	0.00	0.00	0.24	121.40
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.16	104.03	25	0.00	0.00	0.00	0.00	0.19	121.21
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.14	103.89	26	0.00	0.00	0.00	0.00	0.17	121.04
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.16	103.73	27	0.00	0.00	0.00	0.00	0.19	120.85
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.16	103.57	28	0.00	0.00	0.00	0.00	0.18	120.67
29	0.00	0.00	0.00	0.00	0.00	0.00	29</													



November 14, 2023

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Ms. Stephanie Gonzales
Recording Secretary
Arkansas River Compact Administration
P.O. Box 1106
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for August 2023

Dear Mr. Lewis and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended April 30, 1998** (“Resolution”). This letter reports the monthly pumping in excess of Colorado’s pre-Compact entitlement, Colorado’s monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of August, 2023.

Table 1 shows the amount of pumping during the month of August 2023 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** (“Rules”) approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.



These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13 an amount of 69% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 21 days in August 2023. In Reaches 14, 15 and 16 an amount of 100% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 31 days August 2023.

The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

Lower Arkansas Water Management Association (LAWMA) delivered 517.61 acre-feet of Fort Lyon Canal shares, 271.63 acre-feet of Highland Canal shares, and 279.93 acre-feet of Keesee Ditch shares to the Consumable Downstream Subaccount. A total of 1069.19 acre-feet. Deliveries to the Offset Account in August 2023 totalled 1,069.19 acre-feet.

On July 17, 2023, Kansas started a combined Section II and Offset Account release of 550 cfs at 10:00 AM that continued until Friday, July 21, 2023 at 9:00 AM. At that time, the release decreased to 500 cfs. This release rate continued until Wednesday July 28, 2023 at 9:00 AM. At that time, the release increased to 600 cfs that continued until Thursday, August 24, 2023, with the Offset Account release only continuing through Thursday, August 10, 2023. Kansas released 20.34 acre-feet from the Kansas Charge subaccount and 2,458.96 acre-feet from the Consumable Downstream subaccount. The releases for the month of August 2023 totaled 2,479.30 acre-feet.

After the Offset Release ended on August 10, 2023, staff for the Kansas Chief Engineer requested that water that was being transferred into the Kansas Charge subaccount from the 5% storage charge be transferred to the Kansas Article II account on a daily basis until the end of the release on August 24, 2023. The total transferred to from the Kansas Charge subaccount to the Kansas Article II account was 18.43 acre-feet.

As of August 31, 2023, a total of 4771.99 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of August 2023 is attached in Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Bethany Arnold, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter Rachel Duran Dale Book Dan Steuer
 Randy Hendrix Rachel Zancanella Noah Friesen Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
August 2023

USER NO.	DITCH NAME	PUMPED (AF)	WELLHEAD DEPL (AF)
1	BESSEMER	1244.76	533.43
2	BOOTH ORCHARD	0.72	0.36
3	EXCELSIOR	81.18	40.64
4	COLLIER	8.59	3.09
5	COLORADO	299.55	205.16
6	ROCKY FORD HIGHLINE	833.31	490.14
7	OXFORD	726.85	415.58
8	OTERO	76.47	27.53
9	CATLIN	1221.72	589.67
10	FORT LYON US	1268.64	563.98
11	ROCKY FORD	17.46	8.73
12	HOLBROOK	398.27	237.27
13	LAS ANIMAS CONSOLIDATED	197.61	80.23
14	BALDWIN-STUBBS	71.98	46.74
15	FORT BENT	52.51	34.85
17	AMITY	656.67	378.84
18	LAMAR/MANVEL	190.9	100.28
19	HYDE	2.44	1.83
20	FORT LYON DS	611.04	342.88
21	XY GRAHAM	271.32	174.89
22	BUFFALO	190.95	76.37
24	STATELINE SOLE SOURCE	1429.66	1062.35
601	APODS FOR WILEY DRAINAGE DITCH	0	0
602	APODS FOR SAPP DITCH	11.65	8.74
	TOTAL	9864.25	5423.58

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
August 2023

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
20.78	28.86	0.00	363.12	100.28	1.83	329.88	174.89	76.37	0.00	1062.35	2158.36

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
August 2023

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Remaining Depletion		4.74	9.46	37.15	0.00	0.00	0.00	156.23	578.91	0.00	786.49	
Depletion to Usable SL Flow		3.88	7.75	30.42	0.00	0.00	0.00	127.95	474.13	0.00	644.14	
Replacements	Previous Month Credit											Forward Credit to Next Month
FRY-ARK Return Flows	2.81	0.00	7.82	32.84	3.50						44.16	44.16
Fort Lyon Aug Station/Recharge	239.29	14.98	0.00	68.69	0.00						83.67	83.67
CO Beef - Lamar Center Farm	0.00				0.00						0.00	0.00
Lamar Center Farm	506.54				244.32	160.76					405.08	538.64
Lamar Granada East/West	715.43								0.00		0.00	838.27
Ft Bent Ditch Shares	0.00			0.00							0.00	0.00
Stubbs Direct Flow	59.87								52.66		52.66	112.53
XY Direct Flow	1598.92						248.63				248.63	1847.55
Manvel Direct Flow	262.50										0.00	262.50
Offset Account Release Credit*	3409.37										0.00	6556.25
Offset Account Transit Loss	96.80	696.70			373.40			154.80			1224.90	1224.90
Offset Account Water	0.00	0									0.00	0.00
Total Replacements	4150.96	711.68	7.82	101.53	621.22	160.76	248.63	154.80	52.66	0.00	2059.10	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 0 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline.

Enclosure 1

John Martin Offset Accounting for August 2023

Offset Account

August 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6464.03							354.23							0.00
1	23.70	1.19	1.19	247.93	6.80	6233.00	1	0.00	0.00	0.00	0.00	0.38	353.85	1	0.00	0.00	0.00	0.00	0.00	0.00
2	59.12	2.96	2.96	247.93	11.38	6032.81	2	0.00	0.00	0.00	0.00	0.65	353.20	2	0.00	0.00	0.00	0.00	0.00	0.00
3	55.07	2.75	2.75	247.93	7.46	5832.49	3	0.00	0.00	0.00	0.00	0.44	352.76	3	0.00	0.00	0.00	0.00	0.00	0.00
4	52.92	2.65	2.65	247.93	8.43	5629.05	4	0.00	0.00	0.00	0.00	0.51	352.25	4	0.00	0.00	0.00	0.00	0.00	0.00
5	40.52	2.03	2.03	247.93	8.19	5413.45	5	0.00	0.00	0.00	0.00	0.51	351.74	5	0.00	0.00	0.00	0.00	0.00	0.00
6	24.83	1.24	1.24	247.93	7.94	5182.41	6	0.00	0.00	0.00	0.00	0.52	351.22	6	0.00	0.00	0.00	0.00	0.00	0.00
7	27.42	1.37	1.37	247.93	6.23	4955.67	7	0.00	0.00	0.00	0.00	0.42	350.80	7	0.00	0.00	0.00	0.00	0.00	0.00
8	36.38	1.82	1.82	247.93	2.57	4741.55	8	0.00	0.00	0.00	0.00	0.18	350.62	8	0.00	0.00	0.00	0.00	0.00	0.00
9	46.33	2.32	2.32	247.93	3.66	4536.29	9	0.00	0.00	0.00	0.00	0.27	350.35	9	0.00	0.00	0.00	0.00	0.00	0.00
10	40.27	2.01	2.01	247.93	8.54	4320.09	10	0.00	0.00	0.00	0.00	0.65	349.70	10	0.00	0.00	0.00	0.00	0.00	0.00
11	20.32	1.02	2.04	0.00	7.62	4331.77	11	0.00	0.00	0.00	0.00	0.62	349.08	11	0.00	0.00	0.00	0.00	0.00	0.00
12	19.29	0.96	1.92	0.00	7.71	4342.39	12	0.00	0.00	0.00	0.00	0.62	348.46	12	0.00	0.00	0.00	0.00	0.00	0.00
13	18.91	0.95	1.90	0.00	7.80	4352.55	13	0.00	0.00	0.00	0.00	0.62	347.84	13	0.00	0.00	0.00	0.00	0.00	0.00
14	18.72	0.94	1.88	0.00	2.73	4367.60	14	0.00	0.00	0.00	0.00	0.21	347.63	14	0.00	0.00	0.00	0.00	0.00	0.00
15	17.33	0.87	1.74	0.00	3.12	4380.94	15	0.00	0.00	0.00	0.00	0.24	347.39	15	0.00	0.00	0.00	0.00	0.00	0.00
16	29.70	1.49	2.98	0.00	9.61	4399.54	16	0.00	0.00	0.00	0.00	0.76	346.63	16	0.00	0.00	0.00	0.00	0.00	0.00
17	42.74	2.14	4.28	0.00	8.28	4431.86	17	0.00	0.00	0.00	0.00	0.65	345.98	17	0.00	0.00	0.00	0.00	0.00	0.00
18	39.68	1.98	3.96	0.00	11.34	4458.22	18	0.00	0.00	0.00	0.00	0.89	345.09	18	0.00	0.00	0.00	0.00	0.00	0.00
19	44.96	2.25	4.50	0.00	11.81	4489.12	19	0.00	0.00	0.00	0.00	0.92	344.17	19	0.00	0.00	0.00	0.00	0.00	0.00
20	45.31	2.27	4.54	0.00	12.13	4520.03	20	0.00	0.00	0.00	0.00	0.93	343.24	20	0.00	0.00	0.00	0.00	0.00	0.00
21	25.45	1.27	2.54	0.00	13.24	4530.97	21	0.00	0.00	0.00	0.00	1.00	342.24	21	0.00	0.00	0.00	0.00	0.00	0.00
22	15.59	0.78	1.56	0.00	11.66	4534.12	22	0.00	0.00	0.00	0.00	0.89	341.35	22	0.00	0.00	0.00	0.00	0.00	0.00
23	15.39	0.77	1.54	0.00	14.37	4534.37	23	0.00	0.00	0.00	0.00	1.08	340.27	23	0.00	0.00	0.00	0.00	0.00	0.00
24	14.90	0.74	1.48	0.00	13.50	4535.03	24	0.00	0.00	0.00	0.00	1.01	339.26	24	0.00	0.00	0.00	0.00	0.00	0.00
25	24.48	1.22	1.22	0.00	7.44	4552.07	25	0.00	0.00	0.00	0.00	0.56	338.70	25	0.00	0.00	0.00	0.00	0.00	0.00
26	30.46	1.52	1.52	0.00	7.54	4574.99	26	0.00	0.00	0.00	0.00	0.56	338.14	26	0.00	0.00	0.00	0.00	0.00	0.00
27	29.42	1.47	1.47	0.00	7.66	4596.75	27	0.00	0.00	0.00	0.00	0.56	337.58	27	0.00	0.00	0.00	0.00	0.00	0.00
28	57.84	2.89	2.89	0.00	8.26	4646.33	28	0.00	0.00	0.00	0.00	0.61	336.97	28	0.00	0.00	0.00	0.00	0.00	0.00
29	64.38	3.22	3.22	0.00	4.13	4706.58	29	0.00	0.00	0.00	0.00	0.30	336.67	29	0.00	0.00	0.00	0.00	0.00	0.00
30	49.06	2.45	2.45	0.00	9.62	4746.02	30	0.00	0.00	0.00	0.00	0.68	335.99	30	0.00	0.00	0.00	0.00	0.00	0.00
31	38.70	1.94	1.94	0.00	12.73	4771.99	31	0.00	0.00	0.00	0.00	0.90	335.09	31	0.00	0.00	0.00	0.00	0.00	0.00
1069.19	53.48	71.91	2479.30	263.50			0.00	0.00	0.00	0.00	0.00	19.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6464.02							6109.81							-0.02
1	23.70	1.19	1.19	247.93	6.80	6232.99	1	23.70	0.00	1.19	246.74	6.42	5879.16	1	0.00	1.19	0.00	1.19	0.00	-0.02
2	59.12	2.96	2.96	247.93	11.38	6032.80	2	59.12	0.00	2.96	244.97	10.72	5679.63	2	0.00	2.96	0.00	2.96	0.01	-0.03
3	55.07	2.75	2.75	247.93	7.46	5832.48	3	55.07	0.00	2.75	245.18	7.02	5479.75	3	0.00	2.75	0.00	2.75	0.00	-0.03
4	52.92	2.65	2.65	247.93	8.43	5629.04	4	52.92	0.00	2.65	245.28	7.92	5276.82	4	0.00	2.65	0.00	2.65	0.00	-0.03
5	40.52	2.03	2.03	247.93	8.19	5413.44	5	40.52	0.00	2.03	245.90	7.68	5061.73	5	0.00	2.03	0.00	2.03	0.00	-0.03
6	24.83	1.24	1.24	247.93	7.94	5182.40	6	24.83	0.00	1.24	246.69	7.42	4831.21	6	0.00	1.24	0.00	1.24	0.00	-0.03
7	27.42	1.37	1.37	247.93	6.23	4955.66	7	27.42	0.00	1.37	246.56	5.81	4604.89	7	0.00	1.37	0.00	1.37	0.00	-0.03
8	36.38	1.82	1.82	247.93	2.57	4741.54	8	36.38	0.00	1.82	246.11	2.39	4390.95	8	0.00	1.82	0.00	1.82	0.00	-0.03
9	46.33	2.32	2.32	247.93	3.66	4536.28	9	46.33	0.00	2.32	245.61	3.39	4185.96	9	0.00	2.32	0.00	2.32	0.00	-0.03
10	40.27	2.01	2.01	247.93	8.54	4320.08	10	40.27	0.00	2.01	245.92	7.88	3970.42	10	0.00	2.01	0.00	2.01	0.01	-0.04
11	20.32	1.02	2.04	0.00	7.62	4331.76	11	20.32	0.00	1.02	0.00	6.99	3982.73	11	0.00	1.02	1.02	0.00	0.01	-0.05
12	19.29	0.96	1.92	0.00	7.71	4342.38	12	19.29	0.00	0.96	0.00	7.08	3993.98	12	0.00	0.96	0.96	0.00	0.01	-0.06
13	18.91	0.95	1.90	0.00	7.80	4352.54	13	18.91	0.00	0.95	0.00	7.17	4004.77	13	0.00	0.95	0.95	0.00	0.01	-0.07
14	18.72	0.94	1.88	0.00	2.73	4367.59	14	18.72	0.00	0.94	0.00	2.52	4020.03	14	0.00	0.94	0.94	0.00	0.00	-0.07
15	17.33	0.87	1.74	0.00	3.12	4380.93	15	17.33	0.00	0.87	0.00	2.88	4033.61	15	0.00	0.87	0.87	0.00	0.00	-0.07
16	29.70	1.49	2.98	0.00	9.61	4399.53	16	29.70	0.00	1.49	0.00	8.84	4052.98	16	0.00	1.49	1.49	0.00	0.01	-0.08
17	42.74	2.14	4.28	0.00	8.28	4431.85	17	42.74	0.00	2.14	0.00	7.62	4085.96	17	0.00	2.14	2.14	0.00	0.01	-0.09
18	39.68	1.98	3.96	0.00	11.34	4458.21	18	39.68	0.00	1.98	0.00	10.44	4113.22	18	0.00	1.98	1.98	0.00	0.01	-0.10
19	44.96	2.25	4.50	0.00	11.81	4489.11	19	44.96	0.00	2.25	0.00	10.88	4145.05	19	0.00	2.25	2.25	0.00	0.01	-0.11
20	45.31	2.27	4.54	0.00	12.13	4520.02	20	45.31	0.00	2.27	0.00	11.19	4176.90	20	0.00	2.27	2.27	0.00	0.01	-0.12
21	25.45	1.27	2.54	0.00	13.24	4530.96	21	25.45	0.00	1.27	0.00	12.23	4188.85	21	0.00	1.27	1.27	0.00	0.01	-0.13
22	15.59	0.78	1.56	0.00	11.66	4534.11	22	15.59	0.00	0.78	0.00	10.76	4192.91	22	0.00	0.78	0.78	0.00	0.01	-0.14
23	15.39	0.77	1.54	0.00	14.37	4534.36	23	15.39	0.00	0.77	0.00	13.28	4194.25	23	0.00	0.77	0.77	0.00	0.01	-0.15
24	14.90	0.74	1.48	0.00	13.50	4535.02	24	14.90	0.00	0.74	0.00	12.48	4195.93	24	0.00	0.74	0.74	0.00	0.01	-0.16
25	24.48	1.22	1.22	0.00	7.44	4552.06	25	24.48	0.00	1.22	0.00	6.87	4212.31	25	0.00	1.22	0.00	0.00	0.01	1.05
26	30.46	1.52	1.52	0.00	7.54	4574.98	26	30.46	0.00	1.52	0.00	6.97	4234.28	26	0.00	1.52	0.00	0.00	0.01	2.56
27	29.42	1.47	1.47	0.00	7.66	4596.74	27	29.42	0.00	1.47	0.00	7.09	4255.14	27	0.00	1.47	0.00	0.00	0.01	4.02
28	57.84	2.89	2.89	0.0																

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							0.00							130.90
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.14	130.76
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.24	130.52
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.16	130.36
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.19	130.17
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.19	129.98
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.19	129.79
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.16	129.63
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.07	129.56
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.10	129.46
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.24	129.22
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.23	128.99
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.23	128.76
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.23	128.53
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.08	128.45
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.09	128.36
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.28	128.08
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.24	127.84
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.33	127.51
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.34	127.17
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.34	126.83
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.37	126.46
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.33	126.13
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.40	125.73
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.37	125.36
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.21	125.15
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.21	124.94
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.21	124.73
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.22	124.51
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.11	124.40
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.25	124.15
31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	0.33	123.82
	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	7.08	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							103.15							120.18
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.11	103.04	1	0.00	0.00	0.00	0.00	0.13	120.05
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.19	102.85	2	0.00	0.00	0.00	0.00	0.22	119.83
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.13	102.72	3	0.00	0.00	0.00	0.00	0.15	119.68
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.15	102.57	4	0.00	0.00	0.00	0.00	0.17	119.51
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.15	102.42	5	0.00	0.00	0.00	0.00	0.17	119.34
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.15	102.27	6	0.00	0.00	0.00	0.00	0.18	119.16
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.12	102.15	7	0.00	0.00	0.00	0.00	0.14	119.02
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.05	102.10	8	0.00	0.00	0.00	0.00	0.06	118.96
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.08	102.02	9	0.00	0.00	0.00	0.00	0.09	118.87
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.19	101.83	10	0.00	0.00	0.00	0.00	0.22	118.65
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.18	101.65	11	0.00	0.00	0.00	0.00	0.21	118.44
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.18	101.47	12	0.00	0.00	0.00	0.00	0.21	118.23
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.18	101.29	13	0.00	0.00	0.00	0.00	0.21	118.02
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.06	101.23	14	0.00	0.00	0.00	0.00	0.07	117.95
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.07	101.16	15	0.00	0.00	0.00	0.00	0.08	117.87
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.22	100.94	16	0.00	0.00	0.00	0.00	0.26	117.61
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.19	100.75	17	0.00	0.00	0.00	0.00	0.22	117.39
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.26	100.49	18	0.00	0.00	0.00	0.00	0.30	117.09
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.27	100.22	19	0.00	0.00	0.00	0.00	0.31	116.78
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.27	99.95	20	0.00	0.00	0.00	0.00	0.32	116.46
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.29	99.66	21	0.00	0.00	0.00	0.00	0.34	116.12
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.26	99.40	22	0.00	0.00	0.00	0.00	0.30	115.82
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.31	99.09	23	0.00	0.00	0.00	0.00	0.37	115.45
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.30	98.79	24	0.00	0.00	0.00	0.00	0.34	115.11
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.16	98.63	25	0.00	0.00	0.00	0.00	0.19	114.92
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.16	98.47	26	0.00	0.00	0.00	0.00	0.19	114.73
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.16	98.31	27	0.00	0.00	0.00	0.00	0.19	114.54
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.18	98.13	28	0.00	0.00	0.00	0.00	0.21	114.33
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.09	98.04	29	0.00	0.00	0.00	0.00	0.10	114.23
30																				



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

November 14, 2023

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Ms. Stephanie Gonzales
Recording Secretary
Arkansas River Compact Administration
P.O. Box 1106
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for September 2023

Dear Mr. Lewis and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended April 30, 1998** (“Resolution”). This letter reports the monthly pumping in excess of Colorado’s pre-Compact entitlement, Colorado’s monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of September, 2023.

Table 1 shows the amount of pumping during the month of September 2023 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** (“Rules”) approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.



These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, 13, 14, 15 and 16 100% of the stream depletions were replaced to senior surface water rights in Colorado, caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches during 30 days in September 2023.

The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

Lower Arkansas Water Management Association (LAWMA) delivered 339.72 acre-feet of Fort Lyon Canal shares, 301.10 acre-feet of Highland Canal shares, and 195.15 acre-feet of Keesee Ditch shares to the Consumable Downstream Subaccount, for a total of 835.97 acre-feet. In addition, LAWMA delivered 604.17 acre-feet of consumable water to the Kansas Charge subaccount to pre-fund the 500 acre-foot storage charge for 2024, from September 8 - September 13, 2023. Arkansas Groundwater and Reservoir Association started a delivery of water to the AGRA Upstream Consumable subaccount on September 28, 2023 that continued through October 13, 2023, resulting in 25.77 acre-feet being delivered in September 2023. The total delivered to the Offset Account in September of 2023 was 1,465.89 acre-feet

As of September 30, 2023, a total of 6433.23 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of September 2023 is attached in Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Bethany Arnold, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter Rachel Duran Dale Book Dan Steuer
Randy Hendrix Rachel Zancanella Noah Friesen Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
September 2023

USER NO.	DITCH NAME	PUMPED (AF)	WELLHEAD DEPL (AF)
1	BESSEMER	657.47	273.02
2	BOOTH ORCHARD	0.02	0.01
3	EXCELSIOR	39.65	19.85
4	COLLIER	70.06	25.22
5	COLORADO	254.51	171.9
6	ROCKY FORD HIGHLINE	662.11	513.43
7	OXFORD	168.06	80.73
8	OTERO	54.57	19.64
9	CATLIN	561.9	269.58
10	FORT LYON US	897.52	396.13
11	ROCKY FORD	0	0
12	HOLBROOK	175.67	107.15
13	LAS ANIMAS CONSOLIDATED	56.13	22.93
14	BALDWIN-STUBBS	51.56	36.2
15	FORT BENT	108.51	80.77
17	AMITY	385.38	209.01
18	LAMAR/MANVEL	109.74	73.98
19	HYDE	3.03	2.27
20	FORT LYON DS	608.51	348.98
21	XY GRAHAM	197.1	127.11
22	BUFFALO	182.1	69.63
24	STATELINE SOLE SOURCE	1080.79	803.27
601	APODS FOR WILEY DRAINAGE DITCH	0	0
602	APODS FOR SAPP DITCH	17.93	13.45
	TOTAL	6342.32	3664.26

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
September 2023

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
52.29	50.63	0.00	202.52	73.98	2.27	343.64	127.11	69.63	0.00	803.27	1725.34

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
September 2023

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Remaining Depletion		17.78	35.99	137.03	0.00	0.00	0.00	169.12	686.61	0.00	1046.53	
Depletion to Usable SL Flow		14.56	29.48	112.23	0.00	0.00	0.00	138.51	562.33	0.00	857.11	
Replacements	Previous Month Credit											Forward Credit to Next Month
FRY-ARK Return Flows	44.16	0.00	6.26	17.43	0.00						23.69	23.69
Fort Lyon Aug Station/Recharge	83.67	0.00	0.00	72.49	0.00						72.49	72.49
CO Beef - Lamar Center Farm	0.00				0.00						0.00	0.00
Lamar Center Farm	538.64				312.08	226.56					538.64	731.65
Lamar Granada East/West	838.27								0.00		0.00	920.83
Ft Bent Ditch Shares	0.00			85.00							85.00	85.00
Stubbs Direct Flow	112.53										0.00	112.53
XY Direct Flow	1847.55						189.81				189.81	2037.36
Manvel Direct Flow	262.50					60.00					60.00	322.50
Offset Account Release Credit*	6556.25										0.00	6556.25
Offset Account Transit Loss	154.80	0.00			0.00						0.00	0.00
Offset Account Water	0.00	0									0.00	0.00
Total Replacements	4952.22	0.00	6.26	174.92	312.08	286.56	189.81	0.00	0.00	0.00	969.63	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 0 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline.

Enclosure 1

John Martin Offset Accounting for September 2023

Offset Account

September 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4771.99							335.09							0.00
1	46.71	2.34	2.34	0.00	11.76	4806.94	1	0.00	0.00	0.00	0.00	0.83	334.26	1	0.00	0.00	0.00	0.00	0.00	0.00
2	29.64	1.48	1.48	0.00	12.02	4824.56	2	0.00	0.00	0.00	0.00	0.83	333.43	2	0.00	0.00	0.00	0.00	0.00	0.00
3	24.96	1.25	1.25	0.00	12.23	4837.29	3	0.00	0.00	0.00	0.00	0.85	332.58	3	0.00	0.00	0.00	0.00	0.00	0.00
4	38.96	1.95	1.95	0.00	12.45	4863.80	4	0.00	0.00	0.00	0.00	0.86	331.72	4	0.00	0.00	0.00	0.00	0.00	0.00
5	45.97	2.30	2.30	0.00	10.03	4899.74	5	0.00	0.00	0.00	0.00	0.68	331.04	5	0.00	0.00	0.00	0.00	0.00	0.00
6	30.88	1.54	1.54	0.00	10.74	4919.88	6	0.00	0.00	0.00	0.00	0.73	330.31	6	0.00	0.00	0.00	0.00	0.00	0.00
7	31.44	1.57	1.57	0.00	9.82	4941.50	7	0.00	0.00	0.00	0.00	0.65	329.66	7	0.00	0.00	0.00	0.00	0.00	0.00
8	30.17	1.51	1.51	0.00	9.73	4961.94	8	0.00	0.00	0.00	0.00	0.65	329.01	8	0.00	0.00	0.00	0.00	0.00	0.00
9	19.30	167.63	0.96	0.00	9.90	5138.01	9	0.00	0.00	0.00	0.00	0.65	328.36	9	0.00	0.00	0.00	0.00	0.00	0.00
10	101.66	200.77	0.77	0.00	10.50	5429.17	10	0.00	0.00	0.00	0.00	0.68	327.68	10	0.00	0.00	0.00	0.00	0.00	0.00
11	196.95	175.26	1.22	0.00	9.40	5790.76	11	0.00	0.00	0.00	0.00	0.57	327.11	11	0.00	0.00	0.00	0.00	0.00	0.00
12	195.11	1.12	1.12	0.00	4.49	5981.38	12	0.00	0.00	0.00	0.00	0.25	326.86	12	0.00	0.00	0.00	0.00	0.00	0.00
13	184.94	0.62	0.62	0.00	7.14	6159.18	13	0.00	0.00	0.00	0.00	0.38	326.48	13	0.00	0.00	0.00	0.00	0.00	0.00
14	33.06	1.65	1.65	0.00	16.52	6175.72	14	0.00	0.00	0.00	0.00	0.88	325.60	14	0.00	0.00	0.00	0.00	0.00	0.00
15	33.20	1.66	1.66	0.00	5.16	6203.76	15	0.00	0.00	0.00	0.00	0.27	325.33	15	0.00	0.00	0.00	0.00	0.00	0.00
16	33.80	1.69	1.69	0.00	5.19	6232.37	16	0.00	0.00	0.00	0.00	0.27	325.06	16	0.00	0.00	0.00	0.00	0.00	0.00
17	38.81	1.94	1.94	0.00	5.19	6265.99	17	0.00	0.00	0.00	0.00	0.27	324.79	17	0.00	0.00	0.00	0.00	0.00	0.00
18	42.72	2.14	2.14	0.00	17.17	6291.54	18	0.00	0.00	0.00	0.00	0.89	323.90	18	0.00	0.00	0.00	0.00	0.00	0.00
19	47.67	2.38	2.38	0.00	12.53	6326.68	19	0.00	0.00	0.00	0.00	0.65	323.25	19	0.00	0.00	0.00	0.00	0.00	0.00
20	51.70	2.59	2.59	0.00	16.60	6361.78	20	0.00	0.00	0.00	0.00	0.85	322.40	20	0.00	0.00	0.00	0.00	0.00	0.00
21	60.87	3.04	3.04	0.00	12.15	6410.50	21	0.00	0.00	0.00	0.00	0.62	321.78	21	0.00	0.00	0.00	0.00	0.00	0.00
22	43.03	2.15	2.15	0.00	11.90	6441.63	22	0.00	0.00	0.00	0.00	0.59	321.19	22	0.00	0.00	0.00	0.00	0.00	0.00
23	16.77	0.84	0.84	0.00	12.00	6446.40	23	0.00	0.00	0.00	0.00	0.59	320.60	23	0.00	0.00	0.00	0.00	0.00	0.00
24	16.86	0.84	0.84	0.00	12.04	6451.22	24	0.00	0.00	0.00	0.00	0.59	320.01	24	0.00	0.00	0.00	0.00	0.00	0.00
25	17.86	0.89	0.89	0.00	20.12	6448.96	25	0.00	0.00	0.00	0.00	1.00	319.01	25	0.00	0.00	0.00	0.00	0.00	0.00
26	7.46	0.37	0.37	0.00	10.13	6446.29	26	0.00	0.00	0.00	0.00	0.50	318.51	26	0.00	0.00	0.00	0.00	0.00	0.00
27	6.58	0.33	0.33	0.00	8.11	6444.76	27	0.00	0.00	0.00	0.00	0.41	318.10	27	0.00	0.00	0.00	0.00	0.00	0.00
28	5.24	0.26	0.26	0.00	14.66	6435.34	28	0.00	0.00	0.00	0.00	0.73	317.37	28	0.00	0.00	0.00	0.00	0.00	0.00
29	3.23	0.16	0.16	0.00	17.56	6421.01	29	0.00	0.00	0.00	0.00	0.86	316.51	29	0.00	0.00	0.00	0.00	0.00	0.00
30	30.34	1.52	1.52	0.00	18.12	6433.23	30	25.77	0.00	1.29	0.00	0.86	340.13	30	0.00	0.00	0.00	0.00	0.00	0.00
	1465.89	583.79	43.08	0.00	345.36			25.77	0.00	1.29	0.00	19.44		0.00	0.00	0.00	0.00	0.00		
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						4771.98							4422.46							14.43
1	46.71	2.34	2.34	0.00	11.76	4806.93	1	46.71	0.00	2.34	0.00	10.89	4455.94	1	0.00	2.34	0.00	0.00	0.04	16.73
2	29.64	1.48	1.48	0.00	12.02	4824.55	2	29.64	0.00	1.48	0.00	11.14	4472.96	2	0.00	1.48	0.00	0.00	0.05	18.16
3	24.96	1.25	1.25	0.00	12.23	4837.28	3	24.96	0.00	1.25	0.00	11.33	4485.34	3	0.00	1.25	0.00	0.00	0.05	19.36
4	38.96	1.95	1.95	0.00	12.45	4863.79	4	38.96	0.00	1.95	0.00	11.53	4510.82	4	0.00	1.95	0.00	0.00	0.06	21.25
5	45.97	2.30	2.30	0.00	10.03	4899.73	5	45.97	0.00	2.30	0.00	9.30	4545.19	5	0.00	2.30	0.00	0.00	0.05	23.50
6	30.88	1.54	1.54	0.00	10.74	4919.87	6	30.88	0.00	1.54	0.00	9.95	4564.58	6	0.00	1.54	0.00	0.00	0.06	24.98
7	31.44	1.57	1.57	0.00	9.82	4941.49	7	31.44	0.00	1.57	0.00	9.11	4585.34	7	0.00	1.57	0.00	0.00	0.06	26.49
8	30.17	1.51	1.51	0.00	9.73	4961.93	8	30.17	0.00	1.51	0.00	9.02	4604.98	8	0.00	1.51	0.00	0.00	0.06	27.94
9	19.30	167.63	0.96	0.00	9.90	5138.00	9	19.30	166.67	0.96	0.00	9.19	4780.80	9	0.00	0.96	0.00	0.00	0.06	28.84
10	101.66	200.77	0.77	0.00	10.50	5429.16	10	15.35	200.00	0.77	0.00	9.75	4985.63	10	86.31	0.77	0.00	0.00	0.07	115.85
11	196.95	175.26	1.22	0.00	9.40	5790.75	11	24.33	174.04	1.22	0.00	8.62	5174.16	11	172.62	1.22	0.00	0.00	0.21	289.48
12	195.11	1.12	1.12	0.00	4.49	5981.37	12	22.49	0.00	1.12	0.00	4.01	5191.52	12	172.62	1.12	0.00	0.00	0.23	462.99
13	184.94	0.62	0.62	0.00	7.14	6159.17	13	12.32	0.00	0.62	0.00	6.20	5197.02	13	172.62	0.62	0.00	0.00	0.56	635.67
14	33.06	1.65	1.65	0.00	16.52	6175.71	14	33.06	0.00	1.65	0.00	13.93	5214.50	14	0.00	1.65	0.00	0.00	1.71	635.61
15	33.20	1.66	1.66	0.00	5.16	6203.75	15	33.20	0.00	1.66	0.00	4.36	5241.68	15	0.00	1.66	0.00	0.00	0.53	636.74
16	33.80	1.69	1.69	0.00	5.19	6232.36	16	33.80	0.00	1.69	0.00	4.38	5269.41	16	0.00	1.69	0.00	0.00	0.54	637.89
17	38.81	1.94	1.94	0.00	5.19	6265.98	17	38.81	0.00	1.94	0.00	4.39	5301.89	17	0.00	1.94	0.00	0.00	0.53	639.30
18	42.72	2.14	2.14	0.00	17.17	6291.53	18	42.72	0.00	2.14	0.00	14.52	5327.95	18	0.00	2.14	0.00	0.00	1.76	639.68
19	47.67	2.38	2.38	0.00	12.53	6326.67	19	47.67	0.00	2.38	0.00	10.60	5362.64	19	0.00	2.38	0.00	0.00	1.28	640.78
20	51.70	2.59	2.59	0.00	16.60	6361.77	20	51.70	0.00	2.59	0.00	14.06	5397.69	20	0.00	2.59	0.00	0.00	1.69	641.68
21	60.87	3.04	3.04	0.00	12.15	6410.49	21	60.87	0.00	3.04	0.00	10.30	5445.22	21	0.00	3.04	0.00	0.00	1.23	643.49
22	43.03	2.15	2.15	0.00	11.90	6441.62	22	43.03	0.00	2.15	0.00	10.11	5475.99	22	0.00	2.15	0.00	0.00	1.20	644.44
23	16.77	0.84	0.84	0.00	12.00	6446.39	23	16.77	0.00	0.84	0.00	10.20	5481.72	23	0.00	0.84	0.00	0.00	1.21	644.07
24	16.86	0.84	0.84	0.00	12.04	6451.21	24	16.86	0.00	0.84	0.00	10.24	5487.50	24	0.00	0.84	0.00	0.00	1.21	643.70
25	17.86	0.89	0.89	0.00	20.12	6448.95	25	17.86	0.00	0.89	0.00	17.10	5487.37	25	0.00	0.89	0.00	0.00	2.02	642.57
26	7.46	0.37	0.37	0.00	10.13	6446.28	26	7.46	0.00	0.37	0.00	8.62	5485.84	26	0.00	0.37	0.00	0.00	1.01	641.93
27	6.58	0.33	0.33	0.00	8.11	6444.75	27	6.58	0.00	0.33	0.00	6.89	5485.20	27	0.00	0.33	0.00	0.00	0.81	641.45



COLORADO
Division of Water Resources
Department of Natural Resources

Water Division 2 - Main Office

November 30, 2023

Mr. Earl D. Lewis, Jr.
Kansas Chief Engineer
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Ms. Stephanie Gonzales
Recording Secretary
Arkansas River Compact Administration
P.O. Box 1106
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for October 2023

Dear Mr. Lewis and Ms. Gonzales:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended April 30, 1998** (“Resolution”). This letter reports the monthly pumping in excess of Colorado’s pre-Compact entitlement, Colorado’s monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of October, 2023.

Table 1 shows the amount of pumping during the month of October 2023 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** (“Rules”) approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, an amount of 69% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 21 days October 2023. In Reaches 14, 15 and 16 an amount of 100% of the stream depletions caused by pumping affecting those reaches were replaced to senior surface water rights in Colorado since there was a call by a Colorado surface water right in those reaches during 31 days October 2023.



The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

Lower Arkansas Water Management Association (LAWMA) delivered 210.19 acre-feet of Fort Lyon Canal shares, 66.59 acre-feet of Highland Canal shares, and 145.15 acre-feet of Keesee Ditch shares to the Consumable Downstream Subaccount. Additionally, Arkansas Groundwater & Reservoir Association (AGRA) delivered Excelsior Ditch shares changed in 04CW62 between September 28 through October 13, 2023. An amount of 474.83 acre-feet of consumable water was delivered to the AGRA Upstream Consumable subaccount in the month of October 2023. The total of deliveries to the Offset Account in October of 2023 was 896.76 acre-feet.

As of October 31, 2023, a total of 7010.84 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of October 2023 is attached in Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Bethany L. Arnold, P.E.
Assistant Division Engineer
Colorado Division of Water Resources

ec: Kevin Salter
Rachel Duran
Dale Book
Dan Steuer
Randy Hendrix
Rachel Zancanella
Noah Friesen
Kelley Thompson

TABLE 1
Pumping By Rule 3 Irrigation Wells
October 2023

USER NO.	DITCH NAME	PUMPED (AF)	WELLHEAD DEPL (AF)
1	BESSEMER	214.09	111.5
2	BOOTH ORCHARD	2.38	1.19
3	EXCELSIOR	20.94	10.48
4	COLLIER	20.41	7.35
5	COLORADO	83.27	54.07
6	ROCKY FORD HIGHLINE	209.35	132.26
7	OXFORD	77.47	33.31
8	OTERO	13.37	4.89
9	CATLIN	440.17	214.86
10	FORT LYON US	255.93	103.16
11	ROCKY FORD	1.27	0.5
12	HOLBROOK	73.88	43.37
13	LAS ANIMAS CONSOLIDATED	10.89	5.64
14	BALDWIN-STUBBS	145.17	101.68
15	FORT BENT	23.24	11.83
17	AMITY	253.64	134.11
18	LAMAR/MANVEL	51.23	25.91
19	HYDE	35.78	12.88
20	FORT LYON DS	246.81	123.7
21	XY GRAHAM	32.24	24.18
22	BUFFALO	0.12	0.04
24	STATELINE SOLE SOURCE	438.5	328
601	APODS FOR WILEY DRAINAGE DITCH	0	0
602	APODS FOR SAPP DITCH	0	0
	TOTAL	2650.15	1484.91

TABLE 2
Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
October 2023

USER NUMBER											
10	15	16	17	18	19	20	21	22	23	24	Total
14.05	11.87	0.00	134.11	25.91	12.88	110.27	24.18	0.04	0.00	328.00	661.31

TABLE 3
Remaining Depletions to Usable Stateline Flow (Acre-Feet)
October 2023

REACH NUMBER		11	12	13	14	15	16	17	18	21	Sum	
Balance Forward from Previous Month		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Remaining Depletion		5.45	10.92	41.05	0.00	0.00	0.00	154.37	638.95	0.00	850.74	
Depletion to Usable SL Flow		4.47	8.94	33.62	0.00	0.00	0.00	126.43	523.30	0.00	696.76	
Replacements	Previous Month Credit											Forward Credit to Next Month
FRY-ARK Return Flows	23.69	0.14	4.78	26.34	0.00						31.26	31.26
Fort Lyon Aug Station/Recharge	72.49	0.00	0.00	0.00	0.00						0.00	0.00
CO Beef - Lamar Center Farm	0.00				0.00						0.00	0.00
Lamar Center Farm	731.65				407.96	195.67					603.63	178.45
Lamar Granada East/West	920.83								0.00		0.00	0.00
Ft Bent Ditch Shares	85.00			9.49							9.49	9.49
Stubbs Direct Flow	97.35								0.00		0.00	0.00
XY Direct Flow	1732.29						0.00				0.00	0.00
Manvel Direct Flow	322.50					0.00					0.00	0.00
Offset Account Release Credit*	6555.97										0.00	6555.97
Offset Account Transit Loss	0.00	0.00			0.00						0.00	0.00
Offset Account Water	0.00	0									0.00	0.00
Total Replacements	3985.80	0.14	4.78	35.83	407.96	195.67	0.00	0.00	0.00	0.00	644.38	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

*Note: 0 acre-feet of Augmentation Plan and SWSP depletions were transferred to the stateline.

Enclosure 1

John Martin Offset Accounting for October 2023

Offset Account

October 2023

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6433.23							340.13							0.00
1	54.54	2.72	2.72	0.00	17.25	6470.52	1	38.07	0.00	1.90	0.00	0.92	375.38	1	0.00	0.00	0.00	0.00	0.00	0.00
2	50.25	2.51	2.51	0.00	18.17	6502.60	2	38.07	0.00	1.90	0.00	1.06	410.49	2	0.00	0.00	0.00	0.00	0.00	0.00
3	49.95	2.49	2.49	0.00	10.43	6542.12	3	38.07	0.00	1.90	0.00	0.66	446.00	3	0.00	0.00	0.00	0.00	0.00	0.00
4	49.44	2.47	2.47	0.00	8.79	6582.77	4	38.07	0.00	1.90	0.00	0.59	481.58	4	0.00	0.00	0.00	0.00	0.00	0.00
5	33.10	1.65	1.65	0.00	3.36	6612.51	5	18.02	0.00	0.90	0.00	0.25	498.45	5	0.00	0.00	0.00	0.00	0.00	0.00
6	25.09	1.25	1.25	0.00	8.47	6629.13	6	0.00	0.00	0.00	0.00	0.64	497.81	6	0.00	0.00	0.00	0.00	0.00	0.00
7	48.83	2.44	2.44	0.00	8.51	6669.45	7	19.03	0.00	0.95	0.00	0.64	515.25	7	0.00	0.00	0.00	0.00	0.00	0.00
8	82.48	4.12	4.12	0.00	8.58	6743.35	8	45.68	0.00	2.28	0.00	0.67	557.98	8	0.00	0.00	0.00	0.00	0.00	0.00
9	73.42	3.67	3.67	0.00	9.07	6807.70	9	45.68	0.00	2.28	0.00	0.75	600.63	9	0.00	0.00	0.00	0.00	0.00	0.00
10	57.22	2.86	2.86	0.00	10.44	6854.48	10	45.68	0.00	2.28	0.00	0.92	643.11	10	0.00	0.00	0.00	0.00	0.00	0.00
11	64.97	3.24	3.24	0.00	13.61	6905.84	11	45.68	0.00	2.28	0.00	1.28	685.23	11	0.00	0.00	0.00	0.00	0.00	0.00
12	65.14	3.25	3.25	0.00	20.81	6950.17	12	45.68	0.00	2.28	0.00	2.07	726.56	12	0.00	0.00	0.00	0.00	0.00	0.00
13	56.53	2.82	2.82	0.00	9.39	6997.31	13	45.68	0.00	2.28	0.00	0.98	768.98	13	0.00	0.00	0.00	0.00	0.00	0.00
14	20.67	1.03	1.03	0.00	9.44	7008.54	14	11.42	0.00	0.57	0.00	1.03	778.80	14	0.00	0.00	0.00	0.00	0.00	0.00
15	8.75	0.44	0.44	0.00	9.48	7007.81	15	0.00	0.00	0.00	0.00	1.05	777.75	15	0.00	0.00	0.00	0.00	0.00	0.00
16	8.75	0.44	0.44	0.00	3.62	7012.94	16	0.00	0.00	0.00	0.00	0.40	777.35	16	0.00	0.00	0.00	0.00	0.00	0.00
17	8.75	0.44	0.44	0.00	15.38	7006.31	17	0.00	0.00	0.00	0.00	1.71	775.64	17	0.00	0.00	0.00	0.00	0.00	0.00
18	12.49	0.62	0.62	0.00	9.97	7008.83	18	0.00	0.00	0.00	0.00	1.11	774.53	18	0.00	0.00	0.00	0.00	0.00	0.00
19	11.63	0.58	0.58	0.00	13.22	7007.24	19	0.00	0.00	0.00	0.00	1.46	773.07	19	0.00	0.00	0.00	0.00	0.00	0.00
20	4.70	0.24	0.24	0.00	12.29	6999.65	20	0.00	0.00	0.00	0.00	1.36	771.71	20	0.00	0.00	0.00	0.00	0.00	0.00
21	3.74	0.19	0.19	0.00	12.29	6991.10	21	0.00	0.00	0.00	0.00	1.36	770.35	21	0.00	0.00	0.00	0.00	0.00	0.00
22	7.38	0.37	0.37	0.00	12.30	6986.18	22	0.00	0.00	0.00	0.00	1.36	768.99	22	0.00	0.00	0.00	0.00	0.00	0.00
23	12.96	0.65	0.65	0.00	16.40	6982.74	23	0.00	0.00	0.00	0.00	1.81	767.18	23	0.00	0.00	0.00	0.00	0.00	0.00
24	12.95	0.00	0.65	0.00	9.16	6985.88	24	0.00	0.00	0.00	0.00	1.00	766.18	24	0.00	0.00	0.00	0.00	0.00	0.00
25	16.89	0.84	0.84	0.00	4.57	6998.20	25	0.00	0.00	0.00	0.00	0.51	765.67	25	0.00	0.00	0.00	0.00	0.00	0.00
26	15.67	0.78	0.78	0.00	5.03	7008.84	26	0.00	0.00	0.00	0.00	0.54	765.13	26	0.00	0.00	0.00	0.00	0.00	0.00
27	12.58	0.63	0.63	0.00	8.68	7012.74	27	0.00	0.00	0.00	0.00	0.95	764.18	27	0.00	0.00	0.00	0.00	0.00	0.00
28	10.54	0.53	0.53	0.00	8.68	7014.60	28	0.00	0.00	0.00	0.00	0.95	763.23	28	0.00	0.00	0.00	0.00	0.00	0.00
29	4.15	0.21	0.21	0.00	8.70	7010.05	29	0.00	0.00	0.00	0.00	0.95	762.28	29	0.00	0.00	0.00	0.00	0.00	0.00
30	3.30	0.32	0.32	0.00	8.27	7005.08	30	0.00	0.00	0.00	0.00	0.89	761.39	30	0.00	0.00	0.00	0.00	0.00	0.00
31	9.90	0.50	0.50	0.00	4.14	7010.84	31	0.00	0.00	0.00	0.00	0.45	760.94	31	0.00	0.00	0.00	0.00	0.00	0.00
	896.76	44.30	44.95	0.00	318.50			474.83	0.00	23.70	0.00	30.32			0.00	0.00	0.00	0.00	0.00	0.00

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						6433.22							5454.69							638.40
1	54.54	2.72	2.72	0.00	17.25	6470.51	1	16.47	0.00	0.82	0.00	14.61	5455.73	1	0.00	2.72	0.00	0.00	1.72	639.40
2	50.25	2.51	2.51	0.00	18.17	6502.59	2	12.18	0.00	0.61	0.00	15.30	5452.00	2	0.00	2.51	0.00	0.00	1.81	640.10
3	49.95	2.49	2.49	0.00	10.43	6542.11	3	11.88	0.00	0.59	0.00	8.74	5454.55	3	0.00	2.49	0.00	0.00	1.03	641.56
4	49.44	2.47	2.47	0.00	8.79	6582.76	4	11.37	0.00	0.57	0.00	7.33	5458.02	4	0.00	2.47	0.00	0.00	0.87	643.16
5	33.10	1.65	1.65	0.00	3.36	6612.50	5	15.08	0.00	0.75	0.00	2.78	5469.58	5	0.00	1.65	0.00	0.00	0.33	644.48
6	25.09	1.25	1.25	0.00	8.47	6629.12	6	25.09	0.00	1.25	0.00	7.00	5486.42	6	0.00	1.25	0.00	0.00	0.83	644.90
7	48.83	2.44	2.44	0.00	8.51	6669.44	7	29.80	0.00	1.49	0.00	7.04	5507.68	7	0.00	2.44	0.00	0.00	0.83	646.51
8	82.48	4.12	4.12	0.00	8.58	6743.34	8	36.80	0.00	1.84	0.00	7.08	5535.56	8	0.00	4.12	0.00	0.00	0.83	649.80
9	73.42	3.67	3.67	0.00	9.07	6807.69	9	27.74	0.00	1.39	0.00	7.44	5554.47	9	0.00	3.67	0.00	0.00	0.88	652.59
10	57.22	2.86	2.86	0.00	10.44	6854.47	10	11.54	0.00	0.58	0.00	8.51	5556.92	10	0.00	2.86	0.00	0.00	1.01	654.44
11	64.97	3.24	3.24	0.00	13.61	6905.83	11	19.29	0.00	0.96	0.00	11.02	5564.23	11	0.00	3.24	0.00	0.00	1.31	656.37
12	65.14	3.25	3.25	0.00	20.81	6950.16	12	19.46	0.00	0.97	0.00	16.75	5565.97	12	0.00	3.25	0.00	0.00	1.99	657.63
13	56.53	2.82	2.82	0.00	9.39	6997.30	13	10.85	0.00	0.54	0.00	7.52	5568.76	13	0.00	2.82	0.00	0.00	0.89	659.56
14	20.67	1.03	1.03	0.00	9.44	7008.53	14	9.25	0.00	0.46	0.00	7.52	5570.03	14	0.00	1.03	0.00	0.00	0.89	659.70
15	8.75	0.44	0.44	0.00	9.48	7007.80	15	8.75	0.00	0.44	0.00	7.53	5570.81	15	0.00	0.44	0.00	0.00	0.90	659.24
16	8.75	0.44	0.44	0.00	3.62	7012.93	16	8.75	0.00	0.44	0.00	2.88	5576.25	16	0.00	0.44	0.00	0.00	0.34	659.34
17	8.75	0.44	0.44	0.00	15.38	7006.30	17	8.75	0.00	0.44	0.00	12.22	5572.33	17	0.00	0.44	0.00	0.00	1.45	658.33
18	12.49	0.62	0.62	0.00	9.97	7008.82	18	12.49	0.00	0.62	0.00	7.92	5576.29	18	0.00	0.62	0.00	0.00	0.94	658.01
19	11.63	0.58	0.58	0.00	13.22	7007.23	19	11.63	0.00	0.58	0.00	10.52	5576.81	19	0.00	0.58	0.00	0.00	1.24	657.35
20	4.70	0.24	0.24	0.00	12.29	6999.64	20	4.70	0.00	0.24	0.00	9.78	5571.50	20	0.00	0.24	0.00	0.00	1.15	656.44
21	3.74	0.19	0.19	0.00	12.29	6991.09	21	3.74	0.00	0.19	0.00	9.78	5565.27	21	0.00	0.19	0.00	0.00	1.15	655.48
22	7.38	0.37	0.37	0.00	12.30	6986.17	22	7.38	0.00	0.37	0.00	9.79	5562.49	22	0.00	0.37	0.00	0.00	1.15	654.70
23	12.96	0.65	0.65	0.00	16.40	6982.73	23	12.96	0.00	0.65	0.00	13.05	5561.75	23	0.00	0.65	0.00	0.00	1.54	653.81
24	12.95	0.00	0.65	0.00	9.16	6985.87	24	12.95	0.00	0.65	0.00	7.30	5566.75	24	0.00	0.00	0.00	0.00	0.86	652.95
25	16.89	0.84	0.84	0.00	4.57	6998.19	25	16.89	0.00	0.84	0.00	3.63	5579.17	25	0.00	0.84	0.00	0.00	0.43	653.36
26	15.67	0.78	0.78	0.00	5.03	7008.83	26	15.67	0.00	0.78	0.00	4.02	5590.04	26	0.00	0.78	0.00	0.00	0.47	653.67
27	12.58	0.63	0.63	0.00	8.68	7012.73	27	12.58	0.00	0.63	0.00	6.92	5595.07	27	0.00	0.63	0.00	0.00	0.81	653.49
28	10.54	0.53	0.53	0.00	8.68	7014.59</														

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss							OffsetAccount-Consumable Upstream AGRA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							0.00							141.12
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	1	38.07	0.00	1.90	0.00	0.38	176.91
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00	2	38.07	0.00	1.90	0.00	0.50	212.58
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00	3	38.07	0.00	1.90	0.00	0.34	248.41
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00	4	38.07	0.00	1.90	0.00	0.33	284.25
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00	5	18.02	0.00	0.90	0.00	0.15	301.22
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.38	300.84
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00	7	19.03	0.00	0.95	0.00	0.38	318.54
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00	8	45.68	0.00	2.28	0.00	0.41	361.53
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00	9	45.68	0.00	2.28	0.00	0.49	404.44
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00	10	45.68	0.00	2.28	0.00	0.62	447.22
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00	11	45.68	0.00	2.28	0.00	0.89	489.73
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00	12	45.68	0.00	2.28	0.00	1.48	531.65
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00	13	45.68	0.00	2.28	0.00	0.72	574.33
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00	14	11.42	0.00	0.57	0.00	0.77	584.41
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.79	583.62
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.30	583.32
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	1.28	582.04
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.83	581.21
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	1.09	580.12
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	1.02	579.10
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	1.02	578.08
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	1.02	577.06
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	1.36	575.70
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.75	574.95
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.38	574.57
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.41	574.16
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.71	573.45
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.71	572.74
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.71	572.03
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.67	571.36
31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	0.34	571.02
	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00			474.83	0.00	23.70	0.00	21.23	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-Consumable Upstream LAWMA							OffsetAccount-Consumable Upstream CAA						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							91.91							107.10
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.25	91.66	1	0.00	0.00	0.00	0.00	0.29	106.81
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.26	91.40	2	0.00	0.00	0.00	0.00	0.30	106.51
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.15	91.25	3	0.00	0.00	0.00	0.00	0.17	106.34
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.12	91.13	4	0.00	0.00	0.00	0.00	0.14	106.20
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.05	91.08	5	0.00	0.00	0.00	0.00	0.05	106.15
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.12	90.96	6	0.00	0.00	0.00	0.00	0.14	106.01
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.12	90.84	7	0.00	0.00	0.00	0.00	0.14	105.87
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.12	90.72	8	0.00	0.00	0.00	0.00	0.14	105.73
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.12	90.60	9	0.00	0.00	0.00	0.00	0.14	105.59
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.14	90.46	10	0.00	0.00	0.00	0.00	0.16	105.43
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.18	90.28	11	0.00	0.00	0.00	0.00	0.21	105.22
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.27	90.01	12	0.00	0.00	0.00	0.00	0.32	104.90
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.12	89.89	13	0.00	0.00	0.00	0.00	0.14	104.76
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.12	89.77	14	0.00	0.00	0.00	0.00	0.14	104.62
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.12	89.65	15	0.00	0.00	0.00	0.00	0.14	104.48
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.05	89.60	16	0.00	0.00	0.00	0.00	0.05	104.43
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.20	89.40	17	0.00	0.00	0.00	0.00	0.23	104.20
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.13	89.27	18	0.00	0.00	0.00	0.00	0.15	104.05
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.17	89.10	19	0.00	0.00	0.00	0.00	0.20	103.85
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.16	88.94	20	0.00	0.00	0.00	0.00	0.18	103.67
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.16	88.78	21	0.00	0.00	0.00	0.00	0.18	103.49
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.16	88.62	22	0.00	0.00	0.00	0.00	0.18	103.31
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.21	88.41	23	0.00	0.00	0.00	0.00	0.24	103.07
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.12	88.29	24	0.00	0.00	0.00	0.00	0.13	102.94
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.06	88.23	25	0.00	0.00	0.00	0.00	0.07	102.87
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.06	88.17	26	0.00	0.00	0.00	0.00	0.07	102.80
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.11	88.06	27	0.00	0.00	0.00	0.00	0.13	102.67
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.11	87.95	28	0.00	0.00	0.00	0.00	0.13	102.54
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.11	87.84	29	0.00	0.00	0.00	0.00	0.13	102.41
30	0																			