

SETTLEMENT AGREEMENT IMPLEMENTATION REPORT

TO: Steering Committee
FROM: Ground Water Districts
DATE: April 1, 2017
RE: 2016 Groundwater Diversion & Recharge Report

Introduction

This Settlement Agreement Implementation Report is submitted in accordance with paragraph 3.a of the *SWC-IGWA Settlement Agreement*¹ which provides for a 240,000 acre-feet reduction in groundwater withdrawals from the ESPA or equivalent amount of private recharge. Paragraph 2.a. of the *Second Addendum to Settlement Agreement* provides for the submission an annual report of groundwater diversion and recharge data to the Steering Committee as follows:

Prior to April 1 annually the Districts will submit to the Steering Committee their groundwater diversion and recharge data for the prior irrigation season and their proposed actions to be taken for the upcoming irrigation season, together with supporting information compiled by the Districts' consultants.

For the past several months the Districts have been working diligently with their consultants to compile groundwater diversion and recharge data. This effort has no precedence and has proven to be difficult and time-consuming, requiring monumental effort by the Districts' leadership and their consultants. The Districts' have put forth great effort to compile complete and accurate data, yet given the magnitude of the task we acknowledge the possibility of errors. The Districts are committed to additional refinement and error correction as needed.

2016 Performance Spreadsheet

Attached is an excel spreadsheet. The 2016 Summary Table tab provides a summary of the mitigation performance of each District, including the diversion baseline, target conservation, adjusted baseline, 2016 usage, diversion reduction, recharge, total conservation, and mitigation balance.

¹ The *Settlement Agreement* entered into June 30, 2015, between participating members of the Surface Water Coalition and participating members of Idaho Ground Water Appropriators, Inc. ("IGWA"), the *Addendum Agreement* between the same entered into October 15, 2015 ("First Addendum"), the *Agreement* between A&B Irrigation District and participating members of IGWA dated October 2, 2016, and *Second Addendum to Settlement Agreement* dated December 14, 2016, are referred to collectively as the "Settlement Agreement", approved as a CMR 43 Mitigation Plan by the Director's *Final Order Approving Stipulated Mitigation Plan* dated May 2, 2016.

The baseline reflects the 5-year average diversions within each District which was used to allocate the 240,000 acre-foot reduction among the Districts. As the Districts undertook to implement the Settlement Agreement, some wells were identified that were not previously included in the WMIS database or for other reasons had not been accounted for. The addition of these wells resulted in adjustments to the baseline in some of the Districts, as shown in the spreadsheet.

The usage column reflects total amount of groundwater diverted within each District in 2016. The supporting data for these figures is found in the individual tabs for each District which list each well by WMIS number and its total diversion in 2016. Where challenges or errors were encountered with certain wells, notes have been added to explain how the District addressed it. For example, a few diversions could not be reliably calculated due to broken meters or other factors. In these instances, the well was assigned the baseline diversion value (i.e. no reduction in use). Similarly, some Power Consumption Coefficient (PCC) calculations appear to have generated erroneous diversion results and will need to be revisited in 2017 and potentially corrected. The consultants continue to work with the District members to address questions and correct errors as needed. The Districts are committed to continue working with their consultants and with the Department in the next data verification stage to improve the process and accuracy of diversion data.

Because the SWC has made independent mitigation arrangements with A&B Irrigation District, Southwest Irrigation District, and Falls Irrigation District, the spreadsheet assumes each of those Districts has satisfied its share of the total diversion reduction.

Questions concerning the collections and reporting of data and compilation of this report may be directed to Jaxon Higgs as the lead consultant who will coordinate with other consultants used by certain Districts.

2017 Mitigation Plans

Attached is a table which summarizes the Districts' mitigation plans for the 2017 irrigation season. As can be seen, every District except for Carey Valley GWD utilizes a priority-based system to impose diversion reductions. Several of the Districts use other tools such recharge, conversions, CREP, end-gun removals and lease dry-ups. Experience will prove which tools are the most cost-effective means of recovering the Aquifer. Accordingly, we expect continued adjustments to mitigation efforts going forward.

Additional Information

While not part of the annual reporting requirement under the Settlement Agreement, the Districts submit the following additional information on Long Term Practices implemented in 2016 per the Settlement Agreement, Section 3..

1. Settlement Agreement 3.b.i. – IGWA delivered to the SWC 50,000 AF of storage accomplished through private leases of water from the Upper Snake Reservoir system. It is unknown whether the delivery exceeded the SWC’s irrigation requirements which amount is required to be used for targeted conversions or recharge.
2. Settlement Agreement 3.b.ii. – IGWA has used its best efforts to continue existing conversions in Water Districts 130 and 140 and the possibility of increased conversions is being investigated
3. Settlement Agreement 3.c. – The irrigation season reduction has been accomplished. Groundwater users did not irrigate sooner than April 1 or later than October 31.
4. Settlement Agreement 3.d. – District members are continuing to install approved closed circuit flow meters in an effort to meet the completion deadline at the beginning of the 2018 irrigation season. The attached table reflects the Districts’ estimates of the flow meters installed to date and projected year-end. IGWA consultants are working with IDWR to create a protocol for flowmeter compliance following the 2018 deadline.
5. Settlement Agreement 3.f. – The Districts have and continue to support the State’s sponsored managed recharge program of 250K AF annual-average across the ESPA.
6. Settlement Agreement 3.g. – IGWA and the Districts have and continue to support NRCS funded permanent water conservations programs. These include WaterSmart grant funding of flow meter installations.

IDWR Review

The *Second Addendum* provides for the Department to verify the data reported by the Districts to confirm accuracy:

The Parties will request the Department to verify each District’s annual diversion volume, and other diversion reduction data (recharge, CREP, conversions, end-gun removals, etc.) to confirm the accuracy of the data. The Department’s analysis shall be provided to the Steering Committee no later than July 1 for the previous irrigation season.

A copy of this report will be submitted to the Department with a request that they commence verification.

Sentinel Well Report

Additionally, pursuant to section 3.e. and paragraph 1.b.i. and ii. of the Settlement Agreement, the parties' consultants are to work with the Department to collect, process, archive, and submit Sentinel Well data to the Steering Committee within thirty (30) days of collection using the Calculation Technique. We understand this process will be initiated by the Technical Working Group formed under the Settlement Agreement.

MITIGATION STRATEGIES SUMMARY - 2017

District	Diversion Reduction				Recharge	Other	% Meters Installed	
	Priority Tiers	AF Cap	Min %	Max %			Est. Current	Projected Year-End
North Snake	3	2.0/2.2/2.4	2.5	50	As available	Conversions	320/58%	70%
Magic Valley	3	1.6/1.75/1.9	none	none	As available	Conversions (5,000 ac) End Gun Removal, CREP	467/68%	75%
Carey Valley	No	% reduction based on historic use	12.6	12.6	As available from Little Wood R. and Fish Creek Res.		13/17=76%	100%
American Falls - Aberdeen	3	1.7/1.9/2.2	3	20	As available	Water Bank Lease for Mitigation, CREP	60%	75%
Bingham	3	% reduction based on historic use	5	12.6	As available	End Gun Removal, CREP	800/50%	75%
Bonneville-Jefferson	10	5% reduction based on historic use	4.5	5.5	20,000 af Additional as available	End gun removal Lease dry-ups, CREP	74%	85%
Jefferson-Clark	70	% reduction based on historic use	3.2	17.48	As available	\$50 acre CREP add-on, End Gun Removal	10%	45%
Madison & FMID	Direct delivery 1,500 AF storage to IGWA and 3,000 AF annual recharge minimum.						5%	30%

Notes:

- (1) Updated as of 3/30/17 and subject to ongoing changes based upon participants and diversion data revisions.
- (2) Implementation strategies developed by District Boards and implemented for 2016 and refined and modified for 2017 to meet requirements.
- (3) New groundwater district anticipated for groundwater users in FMID.

2016 Performance Summary Table
(all values in acre-feet)

	Diversion Baseline	Target Conservation	Adjusted Baseline	2016 Usage	Diversion Reduction	Recharge	Total Conservation	Mitigation Balance
Aberdeen - American Falls GWD	271,989	33,595	279,291	257,455	21,836	16,123	37,959	4,364
Bingham GWD	282,476	34,890	278,988	265,643	13,345	25,260	38,605	3,715
Bonneville - Jefferson GWD	147,337	18,198	150,838	148,298	2,540	10,612	13,152	-5,046
Carey Valley GWD	5,671	700	5,671	772	4,899	0	4,899	4,198
Jefferson - Clark GWD	438,634	54,178	438,979	416,405	22,574	32,193	54,767	589
Fremont-Madison ID/Madison GWD ¹	43,491	5,372	43,491	16,729	26,763	3,000	29,763	24,391
Magic Valley GWD	261,877	32,346	262,205	238,094	24,112	5,100	29,212	-3,134
A&B ID ³	174,735	21,582	-	-	-	-	21,582	0
North Snake GWD ²	205,501	25,382	205,219	173,992	31,228	0	31,228	5,846
Southwest ID ³	104,417	12,897	-	-	-	-	12,897	0
Falls ID ³	6,968	861	-	-	-	-	861	0
Total:	1,943,096	240,000	1,664,683	1,517,387	147,296	92,288	274,923	34,923

Notes:

(1) Includes Freemont- Madison Irrigation District, Madison Irrigation District and WD100. Mitigating by alternative means.

(2) North Snake GWD baseline includes annual average of 21,305 acre-feet of conversions.

(3) A&B ID, Southwest ID and Falls ID Total Conservation is unknown and assumed to meet Target.

American Falls-Aberdeen Ground Water District

2016 Reduction Sheet

A 3/08/2016

GEHRING INVESTMENTS LLC

WR Owner	Pam Contact	Water Right #	Priority Date	Condition	CFS	COMBINED ACRES	Tier	Acres/ Right	Allowed Acre-Ft	WMIS Number	5 YR Avg Usage (AF)	ft/acre
GARY W & DONNA M GEHRING FAMILY TRUST	Gehring Ag	35-13666	1/26/1962	Combined	0.05		2	0.0	0.0	No wmis		
GARY W GEHRING	Gehring Ag	35-8164	6/17/1983		0.08		3	0.0	0.0	No wmis		
GEHRING FARMS	Gehring Ag	35-2261	10/10/1952		7.18	456	1	456.0	1003.2	600562	547.3	1.20
GEHRING FARMS	Gehring Ag	35-8186	6/17/1983		1.48	74	3	74.0	125.8	600574	252.4	3.41
FRED GEHRING & SON INC	Gehring Ag	35-8899	3/19/1990		1.26	63	3	63.0	107.1	600549	339.3	5.39
GEHRING FARMS	Gehring Ag	35-7180	7/6/1971		4.9	299	2	245.0	465.5	600544	549.7	1.84
GEHRING FARMS	Gehring Ag	35-8187	6/17/1983		1.08		3	54.0	91.8			
GARY W GEHRING	Gehring Ag	35-8163	6/17/1983		2.49	613.3	3	123.4	209.8	600566	526.6	1.90
GEHRING FARMS	Gehring Ag	35-2854	11/30/1966		3.75		2	229.9	436.8	600568	640.7	
GEHRING FARMS	Gehring Ag	35-7179	7/6/1971		4.5		2	225.0	427.5			
GEHRING FARMS	Gehring Ag	35-14025	6/17/1983		0.17		3	8.9	15.1			
GEHRING FARMS	Gehring Ag	35-14027	3/16/1979		0.5		3	26.1	44.4			
GEHRING INVESTMENTS LLC	Gehring Ag	35-7885A	1/2/1980	Trust	5.92	316	3	316.0	537.2	600411	567.0	1.79
GEHRING INVESTMENTS LLC	Gehring Ag	35-7126	2/17/1970		2.22	156	2	111.0	210.9	600561	268.2	1.72
GEHRING INVESTMENTS LLC	Gehring Ag	35-8188B	6/17/1983		0.9		3	45.0	76.5			
GEHRING INVESTMENTS LLC	Gehring Ag	35-8188A	6/17/1983		0.81	155	3	40.5	68.9	600560	227.3	1.47
GEHRING INVESTMENTS LLC	Gehring Ag	35-2638	1/26/1961		2.29		1	114.5	251.9			
GEHRING INVESTMENTS LLC	Gehring Ag	35-7885B	1/2/1980	Trust	3.16	158	3	158.0	268.6	600407	292.0	1.85
GEHRING INVESTMENTS LLC	Gehring Ag	35-7885C	1/2/1980	Trust	6.26	313	3	313.0	532.1	600406	605.9	1.94
GEHRING INVESTMENTS LLC	Gehring Ag	35-7884	1/2/1980	Trust	5.59	293	3	293.0	498.1	600543	417.8	1.43
GEHRING INVESTMENTS LLC	Gehring Ag	35-14024	6/17/1983		1.43	288	3	74.9	127.3	600547	564.7	1.96
GEHRING INVESTMENTS LLC	Gehring Ag	35-14026	3/16/1979		4.07		3	213.1	362.3			
JAG FARMS LLC	Gehring Ag	35-2752	8/24/1964		2.84	156	2	156.0	296.4	600456	366.5	2.35

American Falls-Aberdeen Ground Water District

2016 Reduction Sheet

WR Owner	Pam Contact	Water Right #	Priority Date	Condition	CFS	COMBINED ACRES	Tier	Acres/ Right	Allowed Acre-Ft	WMIS Number	5 YR Avg Usage (AF)	ft/acre
JAG FARMS LLC	Gehring Ag	35-2892B	1/17/1966		2.03	140	2	140.0	266.0	600783	266.7	1.90
JAG FARMS LLC	Gehring Ag	35-13433	10/14/1980		4.56	228	3	228.0	387.6	600348	395.0	1.98
JAG FARMS LLC	Gehring Ag	35-13435	10/14/1980		3.65	211	3	211.0	358.7	600349	474.6	
JAG FARMS LLC		35-14028	1/15/1981		2.51	151	3	151.0	256.7	600550	516.2	1.71
BIG J FARMS LLC	Gehring Ag	35-14029	1/15/1981		0	151	3	151.0	256.7			
JAG FARMS LLC	Gehring Ag	35-14221	2/1/1952		0.95	153	1	48.3	106.2	600707	275.5	1.73
JAG FARMS LLC	Gehring Ag	35-14223	1/9/1961		1.55		1	78.8	173.3			
JAG FARMS LLC	Gehring Ag	35-14225	11/12/1965		0.51		2	25.9	49.3			
BIG J FARMS LLC	Gehring Ag	35-8207	8/24/1983		0	144	3	144.0	244.8	600405	209.6	1.46
BOONDOX FARMS PARTNERSHIP LTD	Gehring Ag	35-2579	12/7/1959		3.01	461	1	314.0	690.8	600558	399.9	1.81
BOONDOX FARMS PARTNERSHIP LTD	Gehring Ag	35-7308	7/5/1973		3.62		2	119.0	226.1	600559	433.6	
BOONDOX FARMS PARTNERSHIP LTD	Gehring Ag	35-13434	10/14/1980		0.42		3	21.0	35.7			
BOONDOX FARMS PARTNERSHIP LTD	Gehring Ag	35-13436	10/14/1980		0.12		3	7.0	11.9			
BOONDOX FARMS PARTNERSHIP LTD	Gehring Ag	35-9078	1/22/1999	Permit	1.3							
BOONDOX FARMS PARTNERSHIP LTD	Gehring Ag	35-2581	10/12/1959		4.45	312	1	312.0	686.4	600579	565.1	1.81
DALE MICHAELSON BIG J FARMS LLC	Gehring Ag	35-7326	9/20/1973		9	590	2	476.0	904.4	600584	225.2	1.88
DALE MICHAELSON	Gehring Ag	35-7646	11/15/1976		2.28		2	114.0	216.6	600585	278.1	
										600586	326.3	
										600587	280.5	
KEVIN G MICHAELSON	Gehring Ag	35-7923	10/14/1980		3.86	264	3	264.0	448.8	600551	495.2	4.09

American Falls-Aberdeen Ground Water District

2016 Reduction Sheet

WR Owner	Pam Contact	Water Right #	Priority Date	Condition	CFS	COMBINED ACRES	Tier	Acres/ Right	Allowed Acre-Ft	WMIS Number	5 YR Avg Usage (AF)	ft/acre
Totals:									6145.3	11477.2	11307.1	

Total WR Acres	Total 5 yr Avg AF	Allowed AF by Tiers	Overall ft/Acre	2016 Reduction Acre-Ft	2016 Allowed Acre-Ft
6145.3	11307.12	11477.2	1.8	-565.4	10741.8
*5% calculated reduction					

American Falls-Aberdeen Ground Water District

2016 Reduction Sheet

BILL FUNK

WR Owner	Pam Contact	Water Right #	Priority Date	Condition	CFS	COMBINED ACRES	Tier	Acres/ Right	Allowed Acre-Ft	WMIS Number	5 YR Avg Usage (AF)	ft/acre
BILL FUNK	GEHRING AG	35-7762	1/4/1978		2.19	126	3	126.0	214.2	600522	298.8	2.37
BILL FUNK	GEHRING AG	35-2154	8/20/1949		0.6	77.1	1	30.0	66.0	600514	166.1	2.15
BILL FUNK	GEHRING AG	35-4034A	4/1/1972		0.3		3	39.0	66.3			
BILL FUNK	GEHRING AG	35-4034B	4/1/1979		0.06		3	8.1	13.8			
BILL FUNK	GEHRING AG	35-7647	11/22/1976		1.08	59	2	59.0	112.1	600508	140.5	2.38
BILL FUNK	GEHRING AG	35-2864	2/20/1967		5.23	299	2	299.0	568.1	600639	563.3	1.88
BILL FUNK	GEHRING AG	35-2490	1/15/1957		3.16	240	1	240.0	528.0	600640	497.5	2.07
FUNK & POVEY FARMS	GEHRING AG	35-8105	2/25/1983		240		3	240.0	408.0			
ALAINA FUNK	GEHRING AG	35-7282	2/27/1973		2.71	156	2	156.0	296.4	600652	243.5	1.56
Totals:								1197.1	2272.9		1909.8	

Total WR Acres	Total 5 yr Avg AF	Allowed AF by Tiers
1197.1	1909.8	2272.9

2016 Reduction Acre-Ft	2016 Allowed Acre-Ft
-95.5	1814.3

*5% calculated reduction

Actual & Mitigate w/ canal shares

American Falls-Aberdeen Ground Water District

2016 Reduction Sheet

RONALD J FUNK

WR Owner	Pam Contact	Water Right #	Priority Date	Condition	CFS	COMBINED		Acres/ Right	Allowed Acre-Ft	WMIS Number	5 YR Avg Usage (AF)	ft/acre
						ACRES	Tier					
RITA K FUNK	Gehring Ag	35-8868B	12/15/1989		5.25	326	3	326.0	554.2	600344	946.1	2.07
RONALD J FUNK	Gehring Ag	35-8873B	12/15/1989		2.12	132	3	132.0	224.4			
RITA K FUNK	Gehring Ag	35-8873A	12/15/1989	TRUST	8.4	419	3	419.0	712.3	600356	874.1	2.09
RONALD J FUNK	Gehring Ag	35-2825B	5/4/1966		1.13	62	2	62.0	117.8	600343	583.9	1.79
RITA K FUNK	Gehring Ag	35-8868A	12/15/1989	TRUST	4.46	264	3	264.0	448.8			
Totals:								1203.0	2057.5	2404.1		
										2016 Reduction Acre-Ft	2016 Allowed Acre-Ft	
						Total WR Acres	Total 5 yr Avg AF	Allowed AF by Tiers	Overall ft/Acre	-346.6	2057.5	
						1203	2404.1	2057.5	2.0			

1570
reduction

American Falls-Aberdeen Ground Water District

2016 Reduction Sheet

LARRY S BETHKE

WR Owner	Pam Contact	Water Right #	Priority Date	Condition	CFS	COMBINED ACRES	Tier	Acres/ Right	Allowed Acre-Ft	WMIS Number	5 YR Avg Usage (AF)	ft/acre
MONICA BETHKE	Gehring Ag	35-7162A	1/13/1971		2.64	534.2	2	183.0	347.7	600571	691.9	1.21
LARRY S BETHKE	Gehring Ag	35-7161A	1/13/1971		2.64		2	182.0	345.8	600572*	575.6	
LARRY S BETHKE	Gehring Ag	35-8050	8/3/1982	TRUST	0.81		3	40.4	68.7			
LARRY S BETHKE	Gehring Ag	35-8046	6/11/1982	TRUST	1		3	50.8	86.4			
LARRY S BETHKE	Gehring Ag	35-7977B	4/21/1981		1.23		3	78.0	132.6			
LARRY S BETHKE	Gehring Ag	35-9036	8/13/1993		0.8	40	3	40.0	68.0			
LARRY S BETHKE	Gehring Ag	35-8028	3/8/1982		2	100	3	100.0	170.0	600631	221.4	2.21
LARRY S BETHKE	Gehring Ag	35-7977A	4/21/1981		2.7	171	3	171.0	290.7	600619	291.6	1.71
LARRY S BETHKE	Gehring Ag	35-2681	8/1/1961		5.01	312	1	312.0	686.4	600600	295.9	1.81
										600601	268.8	
Totals:									1157.2	2196.2	2345.2	
										2016 Reduction Acre-Ft	2016 Allowed Acre-Ft	
										-149.0	2196.2	

*This well is not currently associated with the listed water rights in IDWR records.

American Falls-Aberdeen Ground Water District

2016 Reduction Sheet

BURGEMEISTER FARMS LTD

WR Owner	Water Right #	Priority Date	Condition	CFS	COMBINED ACRES	Tier	WMIS Number	POD	5 YR Avg Usage (AF)	2016 Usage (AF)	2016 ft/acre
BURGEMEISTER FARMS LTD	35-2223B	4/18/1952		0.06	5	1	600607	07S 29E S25 NENENW	3.1	0.6	0.13
BURGEMEISTER FARMS LTD	35-7265A	11/17/1972		2.23	179	2	600608	07S 29E S25 NWNENW	347.3	299.2	1.78
BURGEMEISTER FARMS LTD	35-2223A	4/18/1952		2.35	235	1	600603	07S 29E S24 SWNESW	448.9	494.0	
BURGEMEISTER FARMS LTD	35-8885	3/7/1990		0.55		3					
BURGEMEISTER FARMS LTD	35-8052	8/11/1982		0.27	32	3					
BURGEMEISTER FARMS LTD	35-7265B	11/17/1972		0.37		2					

Totals: 799.4 799.8

Total WR Acres	Total 5 yr Avg AF	Allowed AF by Tiers	2016 Allowed (AF)	2016 Pumped (AF)	2016 ASCC Recharge (AF)	Over/Under
451	799.4	911.2	759.4	793.8	0.0	-34.4

2016 Reduction

799.4

- 759.4

40.0

Acre - Ft

American Falls-Aberdeen Ground Water District

2016 Reduction Sheet

TIMOTHY P DEEG

WR Owner	Pam Contact	Water Right #	Priority Date	Condition	CFS	COMBINED ACRES	Tier	Acres/ Right	Allowed Acre-Ft	WMIS Number	5 YR Avg Usage (AF)	ft/acre
TIMOTHY P DEEG	Deeg	41-7030	1/2/1978		1.4	814.3	3	126.0	214.2	600800	1633.5	1.81
TIMOTHY P DEEG	Deeg	41-7034	4/7/1978		1.82		3	91.0	154.7			
TIMOTHY P DEEG	Deeg	41-7076	9/23/1985		2.02		3	239.0	406.3			
TIMOTHY P DEEG	Deeg	41-7081	2/28/1990		6.68		3	347.3	590.4			
TIMOTHY P DEEG	Deeg	41-7071	7/13/1983		0.12		3	11.0	18.7			
WATER BANK		35-2491	1/24/1957			90	1	40.0	88.0			
WATER BANK		35-7005	12/14/1967				2	14.2	26.9			
WATER BANK		35-7648	11/24/1976				2	25.8	49.1			
					Totals:			894.3	1548.3		1633.5	

Total WR Acres	Total 5 yr Avg AF	Allowed AF by Tiers	Overall ft/Acre	2016 Reduction Acre-Ft	2016 Allowed Acre-Ft
894.3	1633.5	1548.3	1.8	-85.1	1548.3

1.7309

x 12

20.77 inches

American Falls-Aberdeen Ground Water District

2016 Reduction Sheet

CINBUR PROPERTIES LLC

WR Owner	Water Right #	Priority Date	Condition	CFS	COMBINED ACRES	Tier	WMIS Number	POD	5 YR Avg Usage (AF)	2016 Usage (AF)	2016 ft/acre
CINBUR PROPERTIES LLC	35-7124	2/12/1970		5.46	312	2	600673	07S 30E S17 NWSENW	241.9	250.0	1.47
							600674	07S 30E S17 NWSESW	288.8	208.3	
Totals:									241.9	250.0	

Total WR Acres	Total 5 yr Avg AF	Allowed AF by Tiers	2016 Allowed (AF)	2016 Pumped (AF)	2016 ASCC Recharge (AF)	Over/Under
312	530.6	592.8	504.1	458.3	0.0	45.8

2016 Reduction

$$\begin{array}{r}
 530.6 \\
 - 504.1 \\
 \hline
 26.5 \text{ Acre-Ft}
 \end{array}$$