Since 1918

PALMDALE WATER DISTRICT

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ALESHIRE & WYNDER
Attorneys

August 20, 2015

Agenda for a Meeting of the Water Supply & Reliability Committee of the Palmdale Water District Committee Members: Gloria Dizmang-Chair, Vincent Dino to be held at the District's office at 2029 East Avenue Q, Palmdale

Monday, August 24, 2015

2:30 p.m.

NOTE: To comply with the Americans with Disabilities Act, to participate in any Board meeting please contact Dawn Deans at 661-947-4111 x1003 at least 48 hours prior to a Board meeting to inform us of your needs and to determine if accommodation is feasible.

Agenda item materials, as well as materials related to agenda items submitted after distribution of the agenda packets, are available for public review at the District's office located at 2029 East Avenue Q, Palmdale (Government Code Section 54957.5). Please call Dawn Deans at 661-947-4111 x1003 for public review of materials.

PUBLIC COMMENT GUIDELINES: The prescribed time limit per speaker is three-minutes. Please refrain from public displays or outbursts such as unsolicited applause, comments, or cheering. Any disruptive activities that substantially interfere with the ability of the District to carry out its meeting will not be permitted and offenders will be requested to leave the meeting. (PWD Rules and Regulations, Appendix DD, Sec. IV.A.)

Each item on the agenda shall be deemed to include any appropriate motion, resolution, or ordinance to take action on any item.

1) Roll call.

2) Adoption of agenda.

3) Public comments.

4) Action Items: (The public shall have an opportunity to comment on any action item as each item is considered by the Committee prior to action being taken.)

4.1) Consideration and possible action on approval of minutes of meeting held July 20, 2015.

4.2) Presentation of monthly water demand and supply status. (Water & Energy Resources Director Pernula)

4.3) Status on the operations of the State Water Project. (Water & Energy Resources Director Pernula)

5) Project updates.

5.1) Drought Management Task Force and status as of July 31, 2015. (Water & Energy Resources Director Pernula)

5.2) Littlerock Dam Sediment Removal Project. (Assistant General Manager Knudson)

5.3) Palmdale Recycled Water Authority. (General Manager LaMoreaux)

5.4) City of Palmdale's Upper Amargosa Recharge Project. (Assistant General Manager Knudson)

5.5) Palmdale Regional Groundwater Recharge and Recovery Project. (Assistant General Manager Knudson)

5.6) Request for Qualifications process for preparation of 2015 Urban Water Management Plan.

6) Information items.

6.1) Water purchase opportunities. (Water & Energy Resources Director Pernula)

6.2) Other.

7) Board members' requests for future agenda items.

8) Adjournment.

Dennis D. LaMoreaux

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DENNIS D. LaMOREAUX,
General Manager

DDL/dd

MINUTES OF REGULAR MEETING OF THE WATER SUPPLY & RELIABILITY COMMITTEE OF THE PALMDALE WATER DISTRICT, JULY 20, 2015:

A regular meeting of the Water Supply & Reliability Committee of the Palmdale Water District was held Monday, July 20, 2015, at 2029 East Avenue Q, Palmdale, California, in the Board Room of the District office. Chair Dizmang called the meeting to order at 2:00 p.m.

1) Roll Call.

Attendance:	**Others Present:**
Water Supply & Reliability Cmte:	Dennis LaMoreaux, General Manager
Gloria Dizmang, Chair	Robert Alvarado, PWD Director
Vincent Dino, Committee Member	Jon Pernula, Water & Energy Resources Director
	Peter Thompson II, Deputy Water & Energy Res. Dir.
	Danielle Henry, Administrative Assistant
	1 member of the public

2) Adoption of Agenda.

It was moved by Committee Member Dino, seconded by Chair Dizmang, and unanimously carried to adopt the agenda, as written.

3) Public Comments.

There were no public comments.

4) Action Items:

4.1) Consideration and Possible Action on Approval of Minutes of Meeting Held June 29, 2015.

It was moved by Committee Member Dino, seconded by Chair Dizmang, and unanimously carried to approve the minutes of the Water Supply & Reliability Committee meeting held June 29, 2015, as written.

4.2) Presentation of Monthly Water Demand and Supply Status. (Water & Energy Resources Director Pernula)

Water & Energy Resources Director Pernula reviewed the water supply projections and charts included in the agenda packets through June, 2015, which show a 28%

reduction in water demand compared to 2013, and stated that projections, budgeted, and actual consumption numbers are tracking as expected.

Mr. Ron Cunningham, Palmdale resident, then inquired about the reduced supply affecting water pressure after which General Manager LaMoreaux clarified the operation of the water system, mandatory reductions, and the District's water supply.

4.3) Status on the Operations of the State Water Project. (Water & Energy Resources Director Pernula)

Water & Energy Resources Director Pernula reviewed total rainfall to date and stated that the State Water Project allocation remains at 20% followed by discussion of temperature and salinity issues.

4.4) Discussion of the Consultant Selection Process for the Preparation of the District's 2015 Urban Water Management Plan. (Water & Energy Resources Director Pernula)

Water & Energy Resources Director Pernula stated that the guidelines and long-term reliability reports for the preparation of the 2015 Urban Water Management Plan are not yet available; that a workshop is scheduled in Castaic Lake with the State Water Contractors to discuss the uniformity of the 2015 Urban Water Management Plans; and that he recommends the District's 2015 Urban Water Management Plan be prepared by Kennedy Jenks Consultants to ensure compliance with the guidelines, and after a brief discussion of the Request for Proposals and Request for Qualifications process, the Committee directed staff to develop a Request for Qualifications for the preparation of the District's 2015 Urban Water Management Plan.

5) Project Updates.

5.1) Status on Drought. (Water & Energy Resources Director Pernula)

Water & Energy Resources Director Pernula distributed projections on the increasing probability of El Nino conditions for the winter of 2015/spring of 2016 and stated that these same indications occurred last year but to a lesser degree; that an El Nino will not alleviate the drought as conditions are predicted to be warmer; and that the District will utilize local surface water in Littlerock Reservoir if there are heavy rains.

5.2) Drought Management Task Force. (Water & Energy Resources Director Pernula)

Water & Energy Resources Director Pernula stated that the Drought Management Task Force met last week; that the focus of the meeting was to centralize documentation showing the District's efforts and results to comply with the State Water Resources Control Board's mandates; and that customers are doing a good job to reduce water use after which General Manager LaMoreaux stated that the District's Drought Report for June will be presented at Wednesday's Board Meeting.

Mr. Ron Cunningham, Palmdale resident, then inquired about watering days after which General Manager LaMoreaux reviewed the District's process for selecting watering day restrictions followed by discussion of gardening work, daily demands, and the District's 32% mandatory reduction compared to other reductions of 15%.

5.3) Littlerock Dam Sediment Removal Project. (Assistant General Manager Knudson)

General Manager LaMoreaux stated that Assistant General Manager Knudson is on a conference call with the Forest Service and the Department of Water Resources regarding the release of the EIR/EIS for this Project for public review followed by discussion of previous improvements and use of sediment, the discovery of the arroyo toad, Forest Service delays, and restoring and maintaining 1992 Littlerock Reservoir levels.

5.4) Palmdale Recycled Water Authority. (General Manager LaMoreaux)

General Manager LaMoreaux stated that there was no Authority meeting in July; that a status conference call is scheduled next week on progress by Los Angeles County Waterworks to remove themselves from the business of recycled water; that four new recycled water contracts will then be entered into with the water reallocated depending on where it is generated; and that the Authority intends to meet in August to review this progress and review the process of using recycled water for construction purposes.

5.5) City of Palmdale's Upper Amargosa Recharge Project. (Assistant General Manager Knudson)

General Manager LaMoreaux stated that the design drawings for this Project are approximately 80% complete and that an archeological find was discovered near the tie-in point to the aqueduct causing delays.

5.6) Palmdale Regional Groundwater Recharge and Recovery Project. (Assistant General Manager Knudson)

General Manager LaMoreaux stated that a meeting is scheduled for tomorrow between the District, Kennedy/Jenks Consultants, the Sanitation Districts, and Lahontan to provide an overview of this Project to Lahontan as they are an important agency in the permitting process and that there may be partnership options for this Project through the District's various water purchase opportunities.

6) Information Items.

6.1) Water Purchase Opportunities. (Water & Energy Resources Director Pernula)

Water & Energy Resources Director Pernula stated that staff continues work on potential water purchase and long-term lease opportunities.

6.2) Other.

Water & Energy Resources Director Pernula stated that the level at Littlerock Reservoir increased due to recent rains; that staff anticipates 1,000 acre feet of water from this source; and that the water will be transported to Palmdale Lake after assessment.

Mr. Ron Cunningham, Palmdale resident, then inquired about restrictions on new residential construction after which General Manager LaMoreaux stated that there was a presentation to the Board regarding the District's planning efforts and fees for future growth and that new growth is based on new supply followed by discussion of drought management, new construction, and state requirements.

There were no further information items.

7) Board Members' Requests for Future Agenda Items.

There were no requests for future agenda items.

It was then stated that the next Water Supply & Reliability Committee meeting will be held August 24, 2015 at 2:30 p.m.

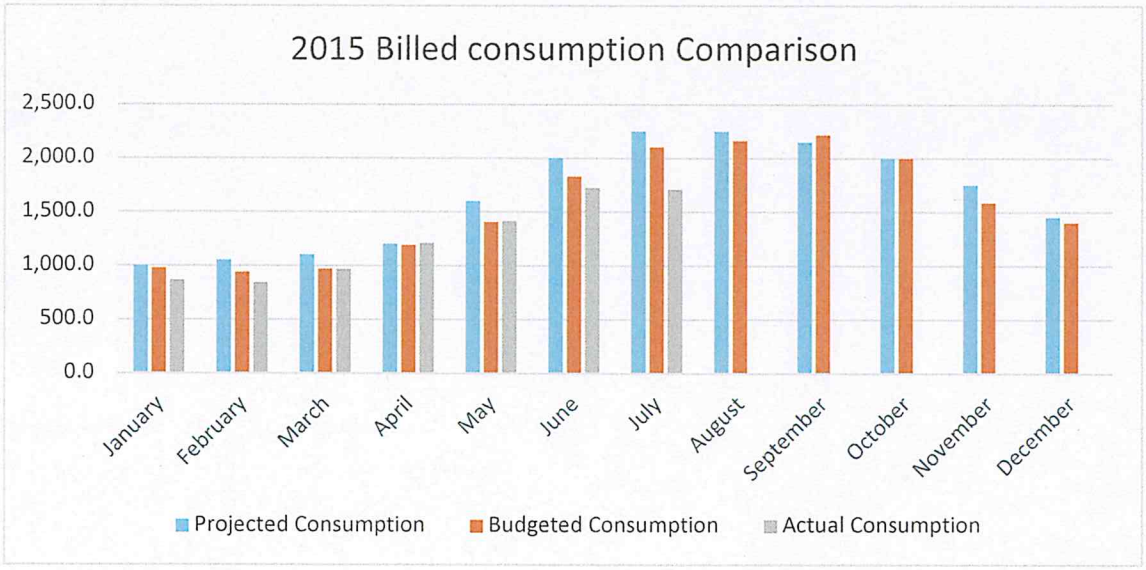
8) Adjournment.

There being no further business to come before the Water Supply & Reliability Committee, the meeting was adjourned at 2:59 p.m.

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Chair

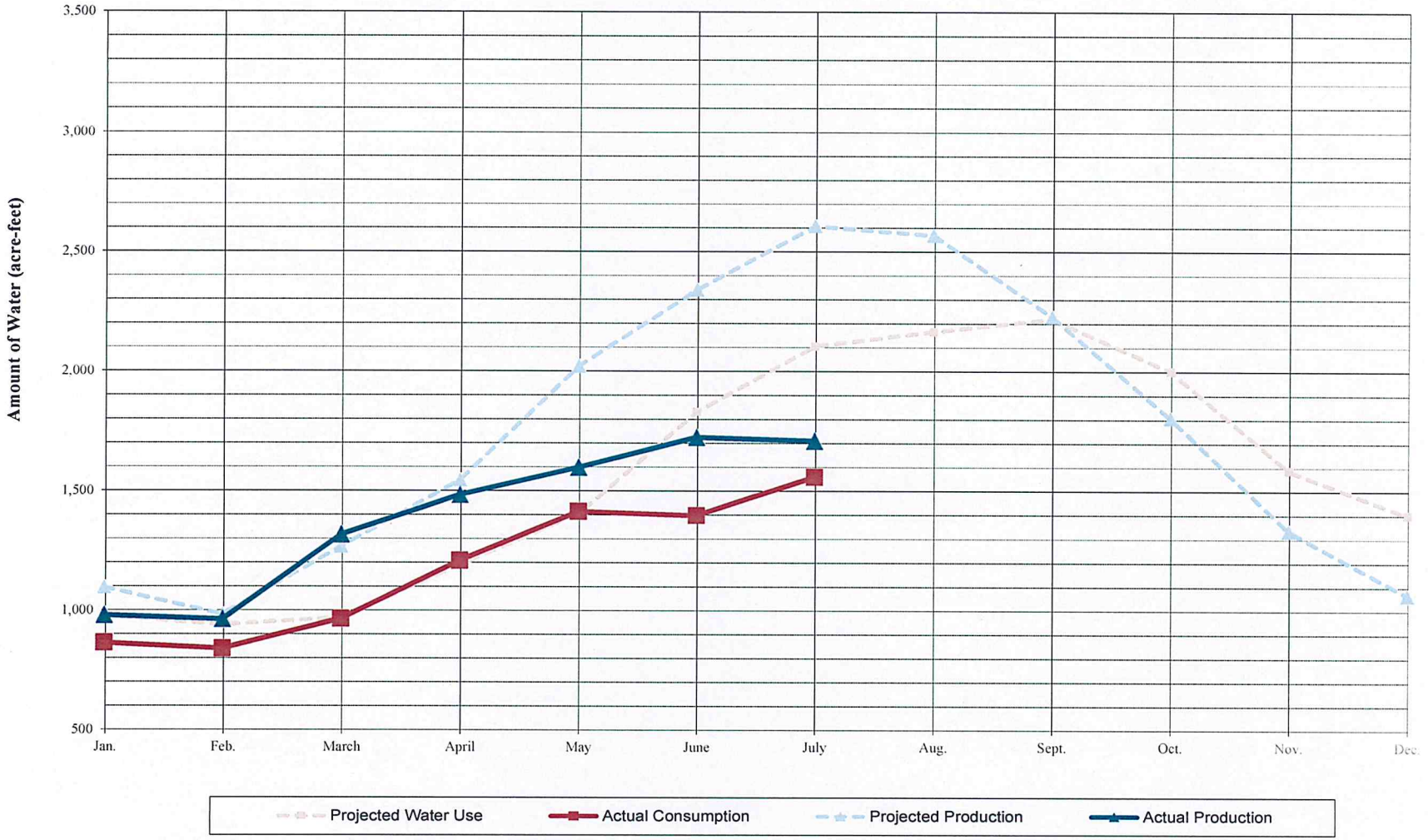
2015 BILLED CONSUMPTION				
Month	Projected	Budgeted	Actual	2013
January	1,000.0	979	865.0	944.3
February	1,050.0	941	841.2	918.3
March	1,100.0	970	965.5	962.7
April	1,200.0	1,191.5	1,209.3	1,344.2
May	1,600.0	1,405.0	1,415.4	1,649.6
June	2,000.0	1,830.7	1,725.2	2,378.8
July	2,250.0	2,104.6	1,710.8	2,645.7
August	2,250.0	2,165.7	0.0	2,637.0
September	2,150.0	2,219.2	0.0	2,299.6
October	2,000.0	2,002.1	0.0	1,866.2
November	1,750.0	1,588.3	0.0	1,364.0
December	1,450.0	1,402.5	0.0	1,103.2
Current AF	10,200.0	9,422	8,732.4	10,843.6
Total	19,800.0	18,800	8,732.4	



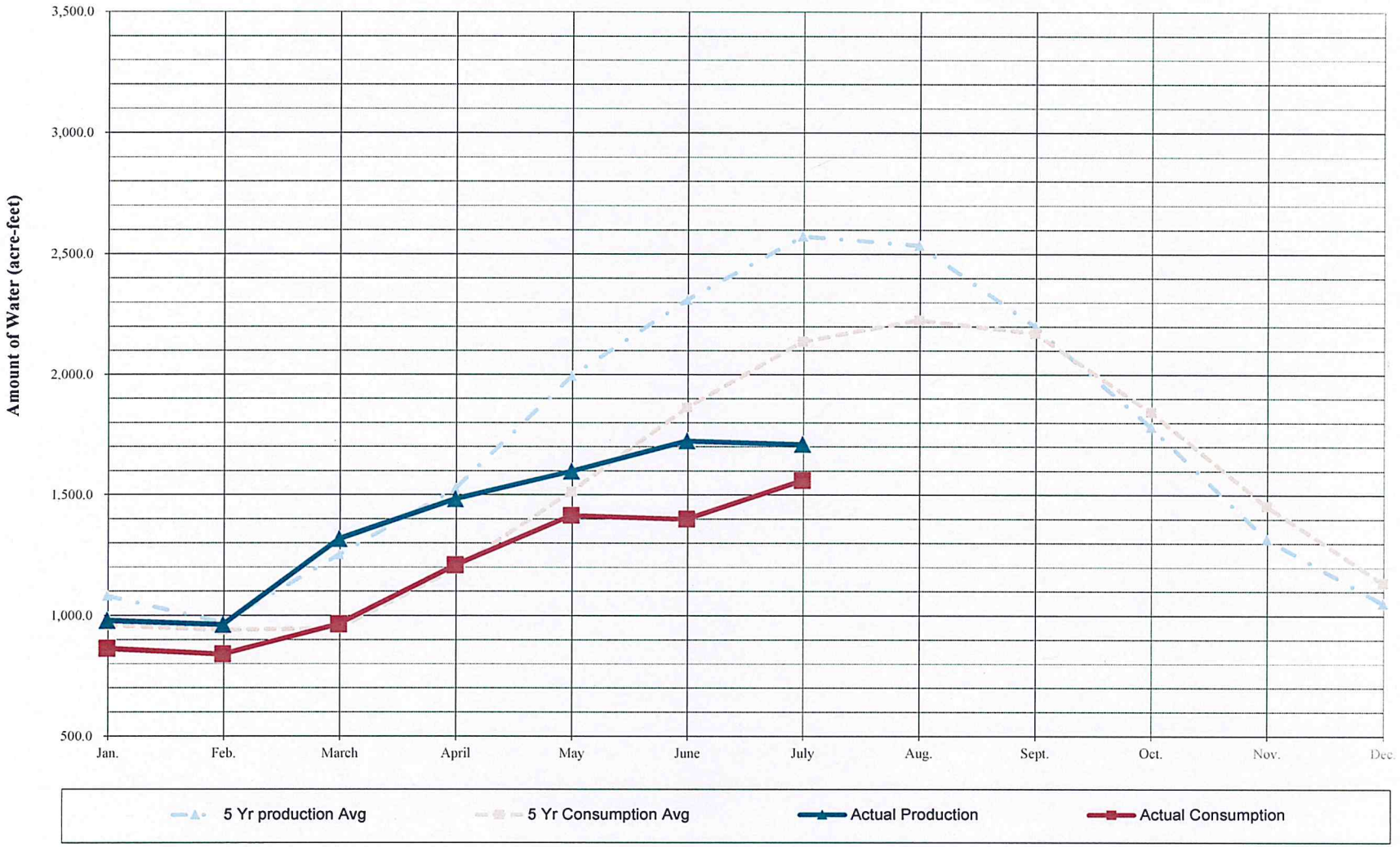
Month	Five-Year Aver. Consumption	Budgeted 2015 Consumption	Actual 2015 Consumption	Difference (Act. - Pred.)
	(ac.-ft.)	(ac.-ft.)	(ac.-ft.)	(ac.-ft.)
Jan.	**960.5**	**979**	**865.0**	**(114.0)**
Feb.	**942.5**	**941**	**841.2**	**(99.8)**
March	**948.3**	**970**	**965.5**	**(4.5)**
April	**1193.4**	**1,192**	**1,209.3**	**17.8**
May	**1514.7**	**1,405**	**1,415.4**	**10.4**
June	**1863.8**	**1,831**	**1,399.8**	**(430.9)**
July	**2138.0**	**2,105**	**1,560.6**	**(544.0)**
Aug.	2227.6	2,166		
Sept.	2174.0	2,219		
Oct.	1845.4	2,002		
Nov.	1455.2	1,588		
Dec.	1137.5	1,403		
	18,401	**9,422**	**8,256.8**	**-1,165.0**
	18,401	18,800		**-12.4%**

Month	Five-Year Aver. Production	Projected 2015 Production	Actual 2015 Production	Difference (Act. - Pred.)
	(ac.-ft.)	(ac.-ft.)	(ac.-ft.)	(ac.-ft.)
Jan.	**1,083.2**	**1,097.3**	**980.4**	**(116.9)**
Feb.	**972.3**	**985.0**	**964.1**	**(20.9)**
March	**1,252.0**	**1,268.2**	**1,317.5**	**49.3**
April	**1,527.4**	**1,547.2**	**1,483.9**	**(63.3)**
May	**1,996.3**	**2,022.3**	**1,599.0**	**(423.3)**
June	**2,311.4**	**2,341.4**	**1,725.2**	**(616.2)**
July	**2,574.6**	**2,608.0**	**1,710.8**	**(897.2)**
Aug.	2,536.5	2,569.5		
Sept.	2,200.4	2,229.0		
Oct.	1,784.0	1,807.2		
Nov.	1,318.1	1,335.2		
Dec.	1,053.7	1,067.4		
	20,610	**11,869**	**9,780.9**	**-2,088.5**
	20,610	20,878		**-17.6%**

2015
PWD PRODUCTION & CUSTOMER WATER USE - Actual vs. Budgeted



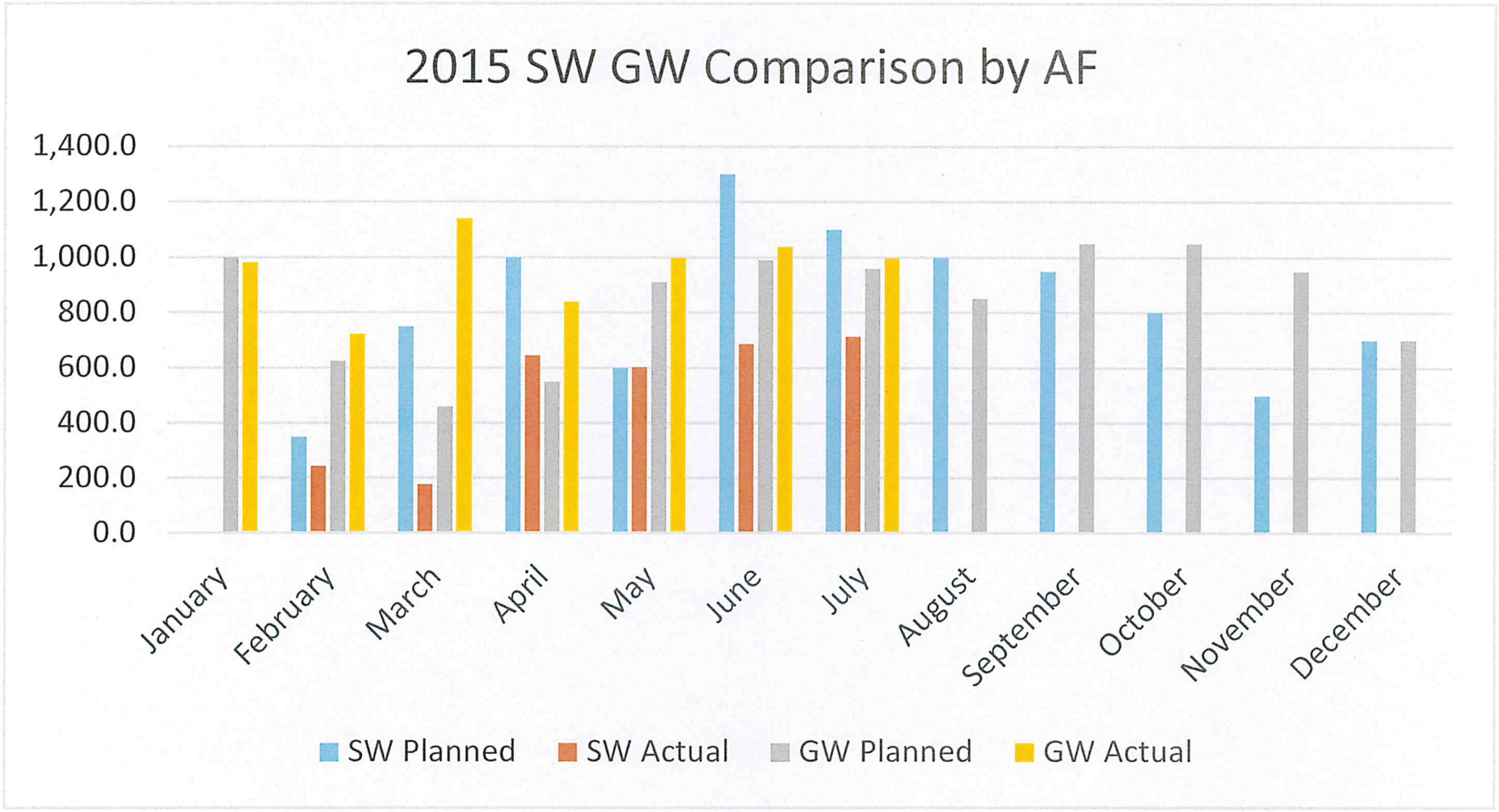
2015
PWD PRODUCTION & CUSTOMER WATER USE - Actual vs. 5 Year Averages

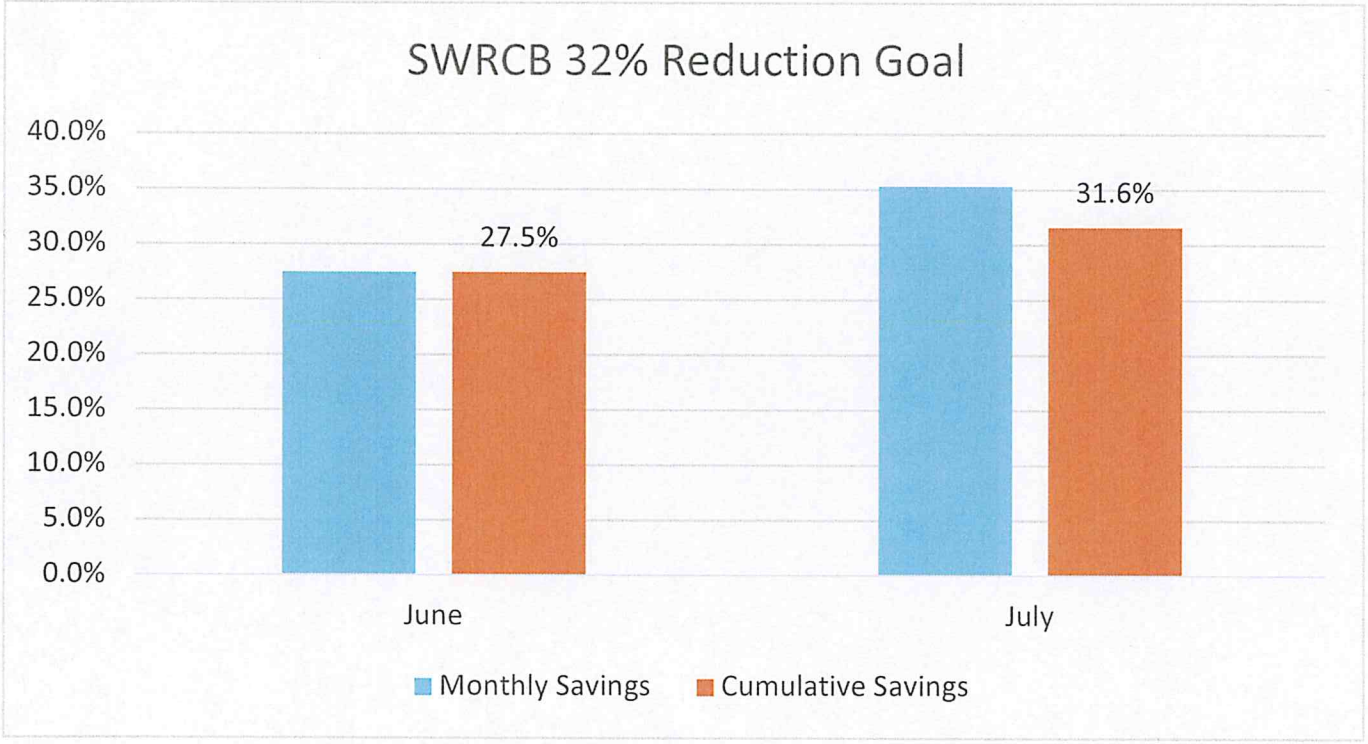


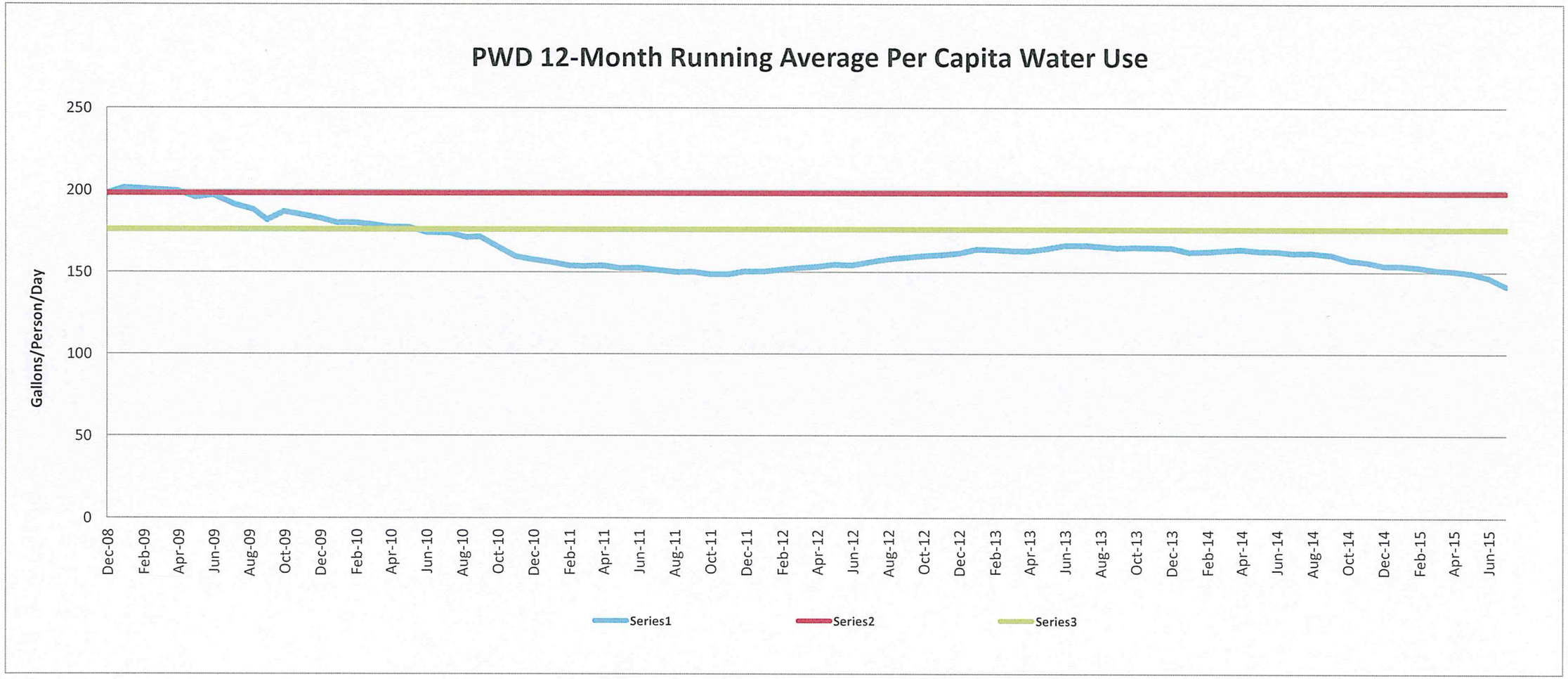
2015

MONTHLY TOTALS					
MONTH	TOTAL af	SW af	GW af	SW %	GW%
January	980.4	0.0	980.4	0.00%	100.00%
February	964.1	242.6	721.5	25.16%	74.84%
March	1,317.5	177.5	1140.0	13.47%	86.53%
April	1,483.9	644.6	839.4	43.44%	56.56%
May	1,599.0	601.7	997.0	37.63%	62.35%
June	1,725.2	687.6	1037.6	39.86%	60.14%
July	1,710.8	712.9	997.9	41.67%	58.33%
August	0.0	0.0	0.0	0.00%	0.00%
September	0.0	0.0	0.0	0.00%	0.00%
October	0.0	0.0	0.0	0.00%	0.00%
November	0.0	0.0	0.0	0.00%	0.00%
December	0.0	0.0	0.0	0.00%	0.00%

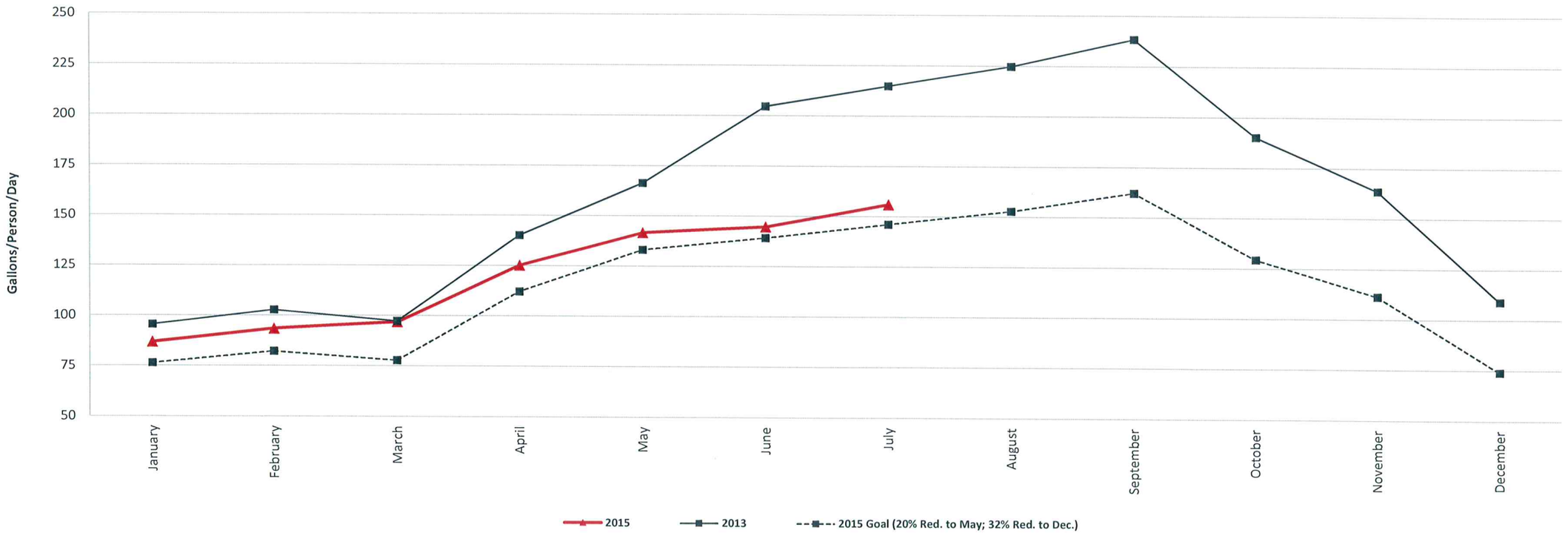
2015 Running Averages	SW	GW
January	0.00%	100.00%
Jan. thru February	12.58%	87.42%
Jan. thru March	12.88%	87.12%
Jan. thru April	20.52%	79.48%
Jan. thru May	23.94%	76.06%
Jan. thru June	26.59%	73.40%
Jan. thru July	28.75%	71.25%
Jan. thru August	0.00%	0.00%
Jan. thru September	0.00%	0.00%
Jan. thru October	0.00%	0.00%
Jan. thru November	0.00%	0.00%
Jan. thru December	0.00%	0.00%


2015 SW GW Comparison by AF
1,400.0
1,200.0
1,000.0
800.0
600.0
400.0
200.0
0.0
January
February
March
April
May
June
July
August
September
October
November
December
SW Planned
SW Actual
GW Planned
GW Actual


SWRCB 32% Reduction Goal
40.0%
35.0%
30.0%
25.0%
20.0%
15.0%
10.0%
5.0%
0.0%
27.5%
31.6%
June
July
Monthly Savings
Cumulative Savings


PWD 12-Month Running Average Per Capita Water Use
Gallons/Person/Day
250
200
150
100
50
0
Dec-08
Feb-09
Apr-09
Jun-09
Aug-09
Oct-09
Dec-09
Feb-10
Apr-10
Jun-10
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Dec-14
Feb-15
Apr-15
Jun-15
Series1
Series2
Series3

PWD 2015 Monthly Total Per Capita Water Use and 2013 Reduction Goals (20% to May, 32% to Dec.)



2015 Water Production Plan @20% Allocation

	Month	Raw Surface Water Sources								Water Production						Metered Water		
		Surface				Water		Evaporation	Total	WTP		Groundwater		Total				
		YUBA ACCORD	AVWB (ac-ft)	BUTTE (ac-ft) fromTA *	DRY YR-MYWP (ac-ft)	PWD/SWP (ac-ft)	LrD (ac-ft)	Plan (ac-ft)	Plan (ac-ft)	Plan (ac-ft)	Actual (ac-ft)	Plan (ac-ft)	Actual (ac-ft)	Plan (ac-ft)	Actual (ac-ft)	Plan (ac-ft)	Actual (ac-ft)	Calculated Lk Elv.
	January	0.0	0.0	0.0	26.0	969.0	0.0	0.00	995.00	0.0	0.0	1,000.0	980.4	1,000.0	980.4	1,000.0	*865.0*	2811.33
	February	0.0	0.0	0.0	0.0	30.0	0.0	0.00	0.00	350.0	242.6	625.0	721.5	975.0	964.1	1,050.0	841.2	2810.27
	March	0.0	0.0	0.0	0.0	0.0	190.5	-85.00	105.54	750.0	177.5	460.0	1140.0	1,210.0	1,317.5	1,100.0	965.5	2810.24
	April	0.0	0.0	0.0	0.0	636.0	381.4	-100.00	917.40	1,000.0	644.6	550.0	839.4	1,550.0	1,483.9	1,200.0	1,209.3	2811.39
	May	0.0	250.0	447	0.0	44.0	0.0	-176.00	565.00	600.0	601.7	910.0	997.3	1,510.0	1,599.0	1,600.0	1,415.4	2811.14
	June	0.0	250.0	283.0	0.0	190.0	0.0	-188.00	535.00	1,300.0	687.6	990.0	1037.6	2,290.0	1,725.2	2,000.0	1,399.8	2810.48
50 BUTTE?	July	0.0	807.0	0	0.0	0.0	0.0	-125.00	682.00	1,100.0	712.9	960.0	997.9	2,060.0	1,710.8	2,250.0	1,560.6	2810.53
	August	0.0	1000.0	0	0.0	600.0	500.0	-75.00	1025.00	1,000.0	0.0	850.0	0.0	1,850.0	1,850.0	2,250.0	0.0	2810.61
	September	0.0	650.0	0.0	0.0	285.0	730.0	-65.00	950.00	950.0	0.0	1,050.0	0.0	2,000.0	2,000.0	2,150.0	0.0	2810.61
	October	0.0	600.0	0.0	0.0	800.0	0.0	0.00	800.00	800.0	0.0	1,050.0	0.0	1,850.0	1,850.0	2,000.0	0.0	2810.61
	November	116.0	221.0	0.0	390.0	0.0	0.0	0.00	506.00	500.0	0.0	950.0	0.0	1,450.0	1,450.0	1,750.0	0.0	2810.63
	December	384.0	0.0	0.0	110.0	0.0	206.0	0.00	700.00	700.0	0.0	700.0	0.0	1,400.0	1,400.0	1,450.0	0.0	2810.63
		500.0	1307.0	730.0	526.0	1869.0	571.9	(814.00)	3,799.94	5,100.0	3,066.8	5,495.0	6,714.0	10,595.0	9,780.8	10,200.0	8,257	
	Allocated Total Use:	500	2,471.0	1,129.0	1,000.0	4,260.0	1,000.0	850.0	7,039.0	8,921.0	11,300.0	10,000.0	10,000.0	21,300.0	21,300.0	19,800.0	18,800.0	
	Actual Planned Use		0.0	730.0	26.0	3,554.0	2,007.9	-1,250.0	7,780.9	9,050.0		10,095.0		18,921.0				
	Remaining Allotment:	0	1,164.0	399.0	474.0	2,391.0	428.1	36.0	3,239.1	3,821.0	8,233.2	4,505.0	3,286.0	10,705.0	11,519.18	9,600.0	10,543.2	
						3,554.0		0.0		-		-		-	-	-	-	
	Total:		0.0	0.0	2,500.0	0.0	0.0	-1,250.0										
	UNUSED TO DATE	0.0	1,164.0	399.0	474.0	2,391.0	0.0		3,264.0	0.0		1,000.0		1,000.0		1,000.0		