PALMDALE WATER DISTRICT

2029 East Avenue Q • Palmdale, California 93550 • **Telephone (661) 947-4111**
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July 15, 2013

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

Friday, July 19, 2013

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. 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.

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 June 21, 2013.

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

4.3) Discussion of the District's water banking opportunities. (Chair Dexter)

4.4) Status on the operations of the State Water Project. (Water & Energy Resources Manager Pernula)

4.5) Consideration and possible action on establishment of a Water Supply Fee. (Engineering Manager Knudson/Water & Energy Resources Manager Pernula)

4.6) Consideration and possible action on a four-way agreement for the City of Palmdale's Upper Amargosa Recharge Project. (Engineering Manager Knudson)

5) Project updates.

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

5.2) Water purchase opportunities. (Water & Energy Resources Manager Pernula)

5.3) Littlerock Dam Sediment Removal Project. (Engineering Manager Knudson)

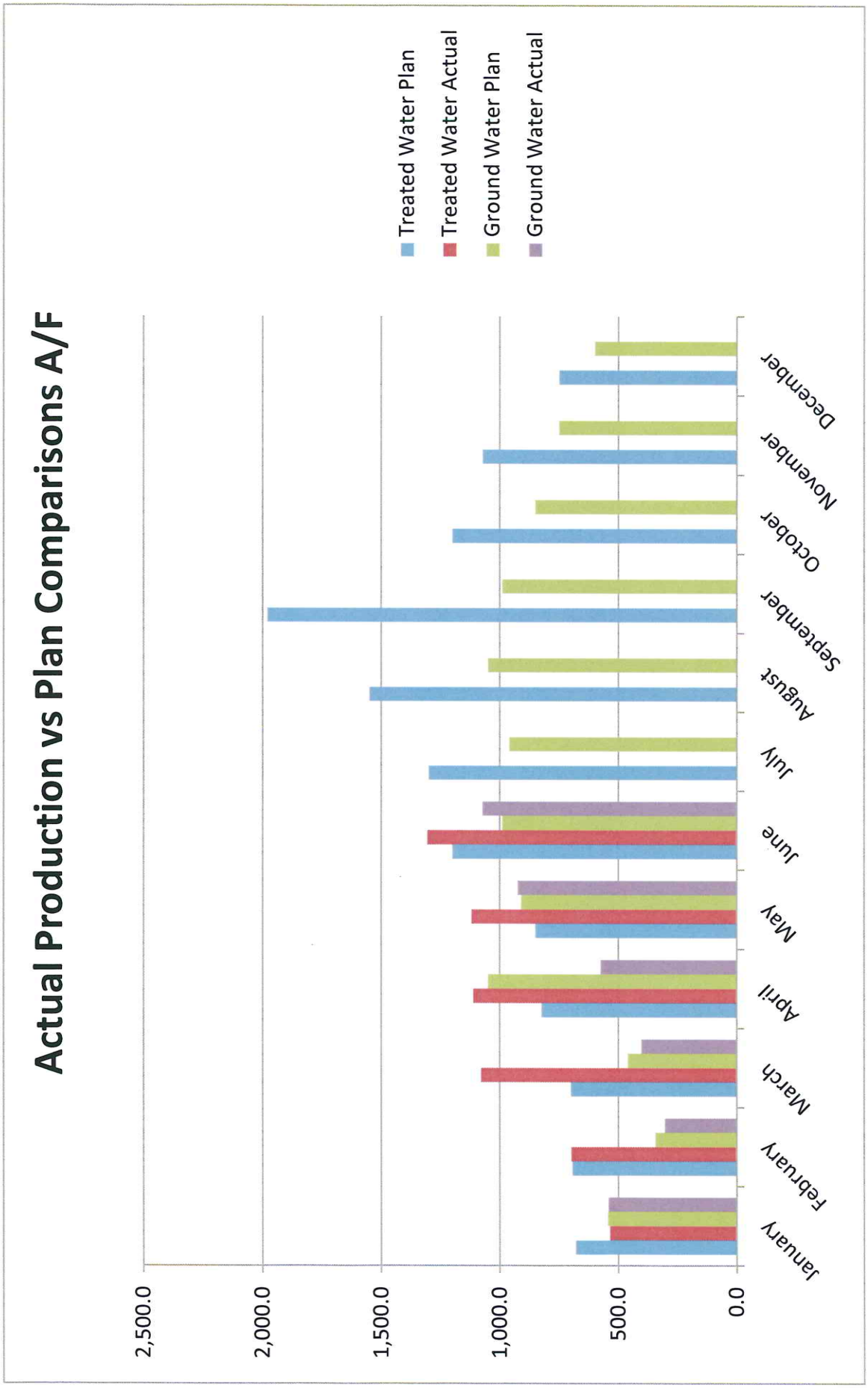
6) Information items.

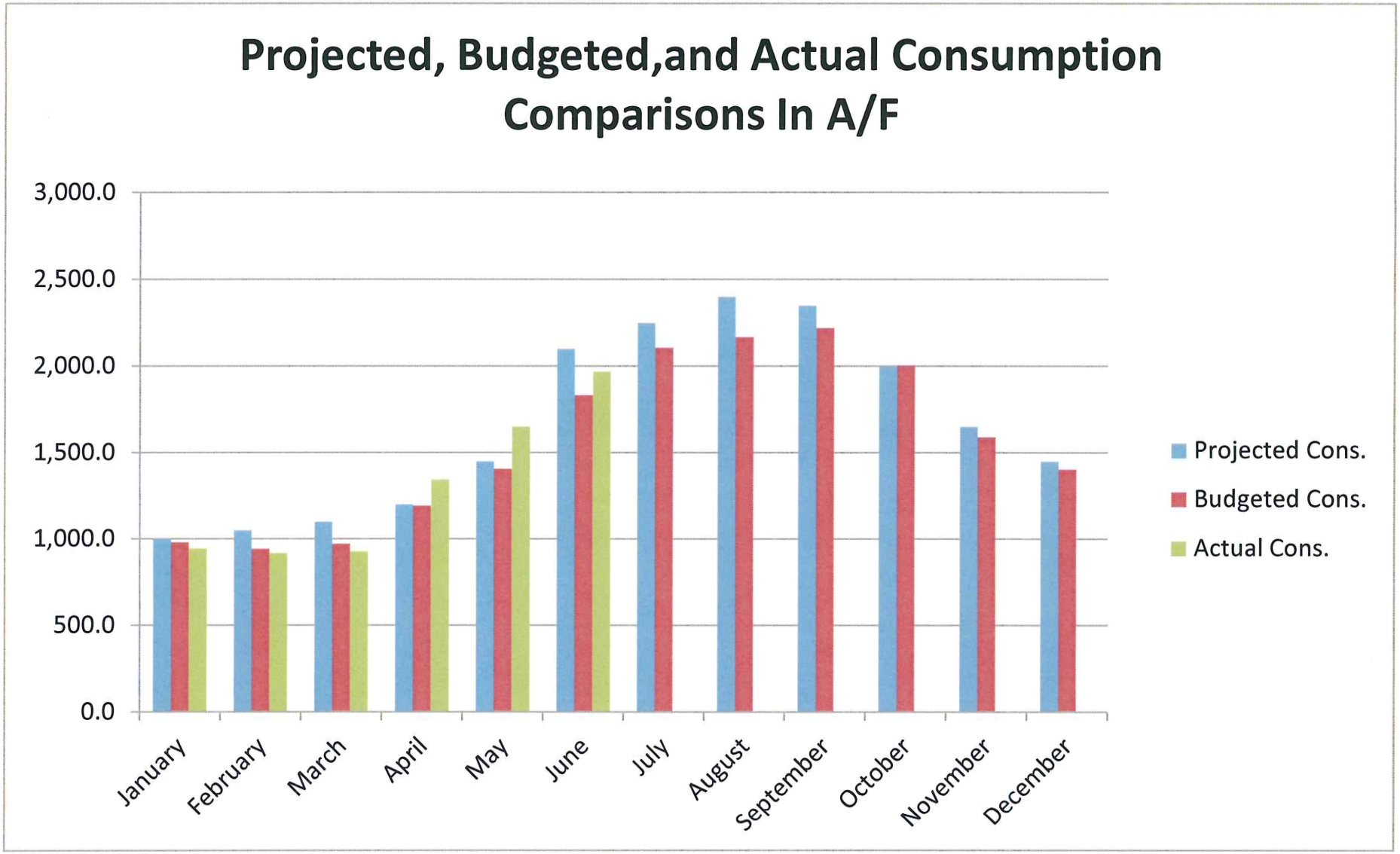
7) Board members' requests for future agenda items.

8) Adjournment.

DENNIS D. LaMOREAUX,
General Manager

DDL/dd

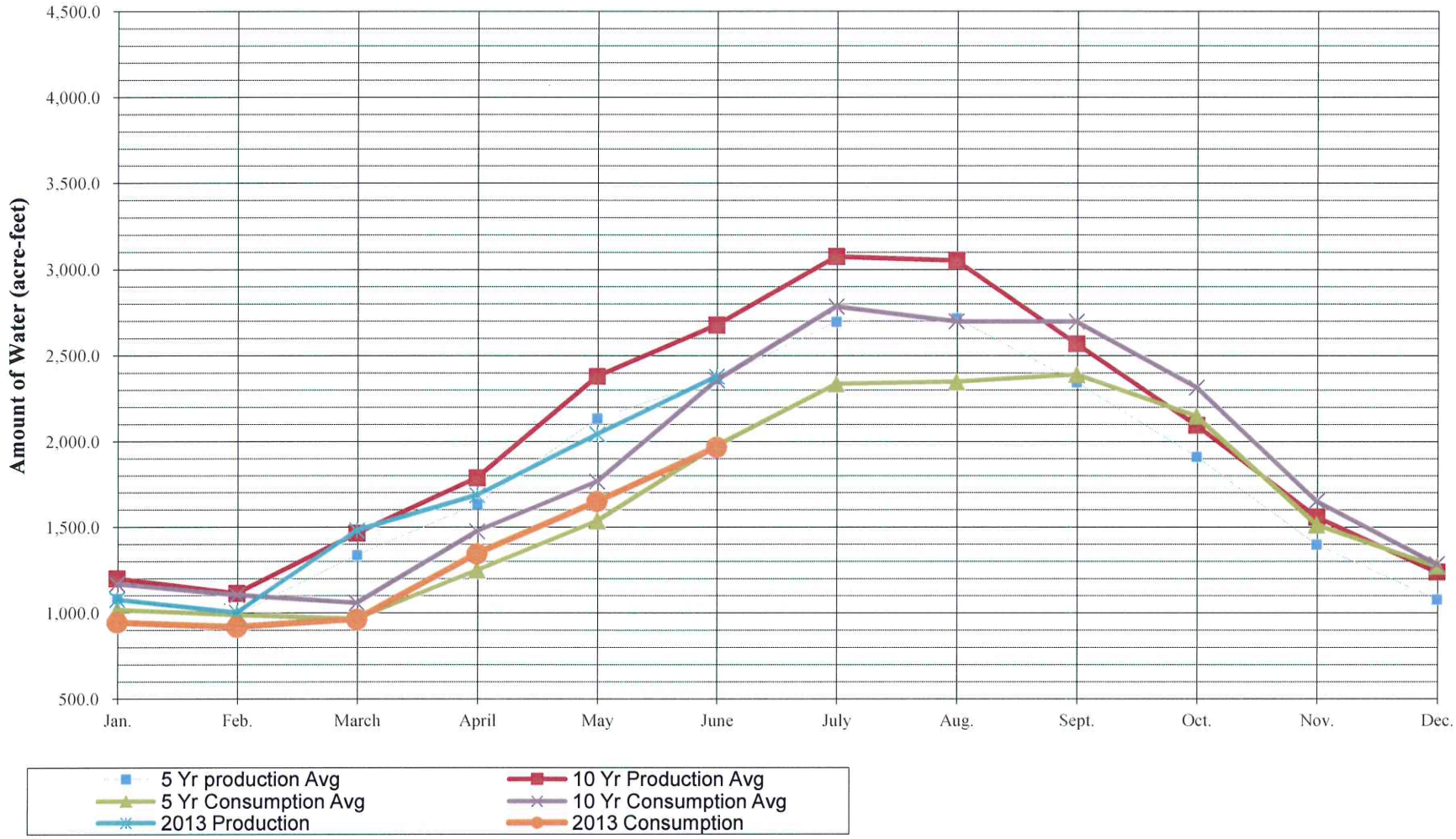

Actual Production vs Plan Comparisons A/F
Treated Water Plan
Treated Water Actual
Ground Water Plan
Ground Water Actual
2,500.0
2,000.0
1,500.0
1,000.0
500.0
0.0
January
February
March
April
May
June
July
August
September
October
November
December


Projected, Budgeted,and Actual Consumption Comparisons In A/F
3,000.0
2,500.0
2,000.0
1,500.0
1,000.0
500.0
0.0
January
February
March
April
May
June
July
August
September
October
November
December
Projected Cons.
Budgeted Cons.
Actual Cons.

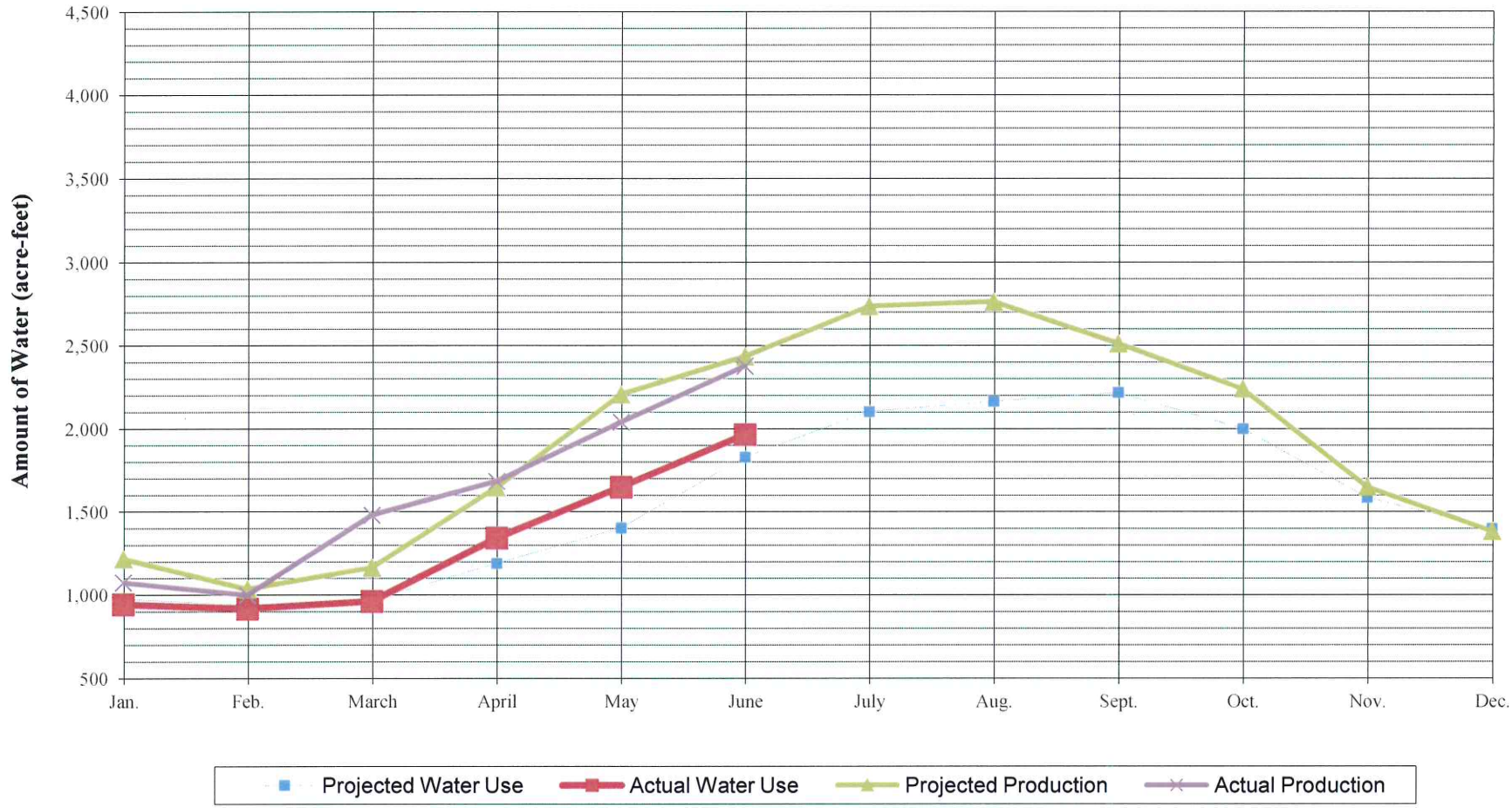
Month	Five-Year Aver. Consumption (ac.-ft.)	Budgeted 2013 Consumption (ac.-ft.)	Actual 2013 Consumption (ac.-ft.)	Difference (Act. - Pred.) (ac.-ft.)	
Jan.	1018.1	979	**944.3**	**-34.8**	
Feb.	987.5	941	**918.3**	**-22.4**	
March	966.0	970	**962.7**	**-7.8**	
April	1248.3	1,191.5	**1,344.2**	**152.7**	
May	1535.9	1,405.0	**1,649.6**	**244.6**	
June	1974.0	1,830.7	**1,966.9**	**136.2**	
July	2335.5	2,104.6	0.0	0.0	
Aug.	2347.3	2,165.7	0.0	0.0	
Sept.	2389.4	2,219.2	0.0	0.0	
Oct.	2149.1	2,002.1	0.0	0.0	
Nov.	1513.5	1,588.3	0.0	0.0	
Dec.	1272.0	1,402.5	0.0	0.0	
	19,736.6	7,317.6	**7,786.0**	**468.4**	**6.0%**
	2008 thru 2012	20,000.0			

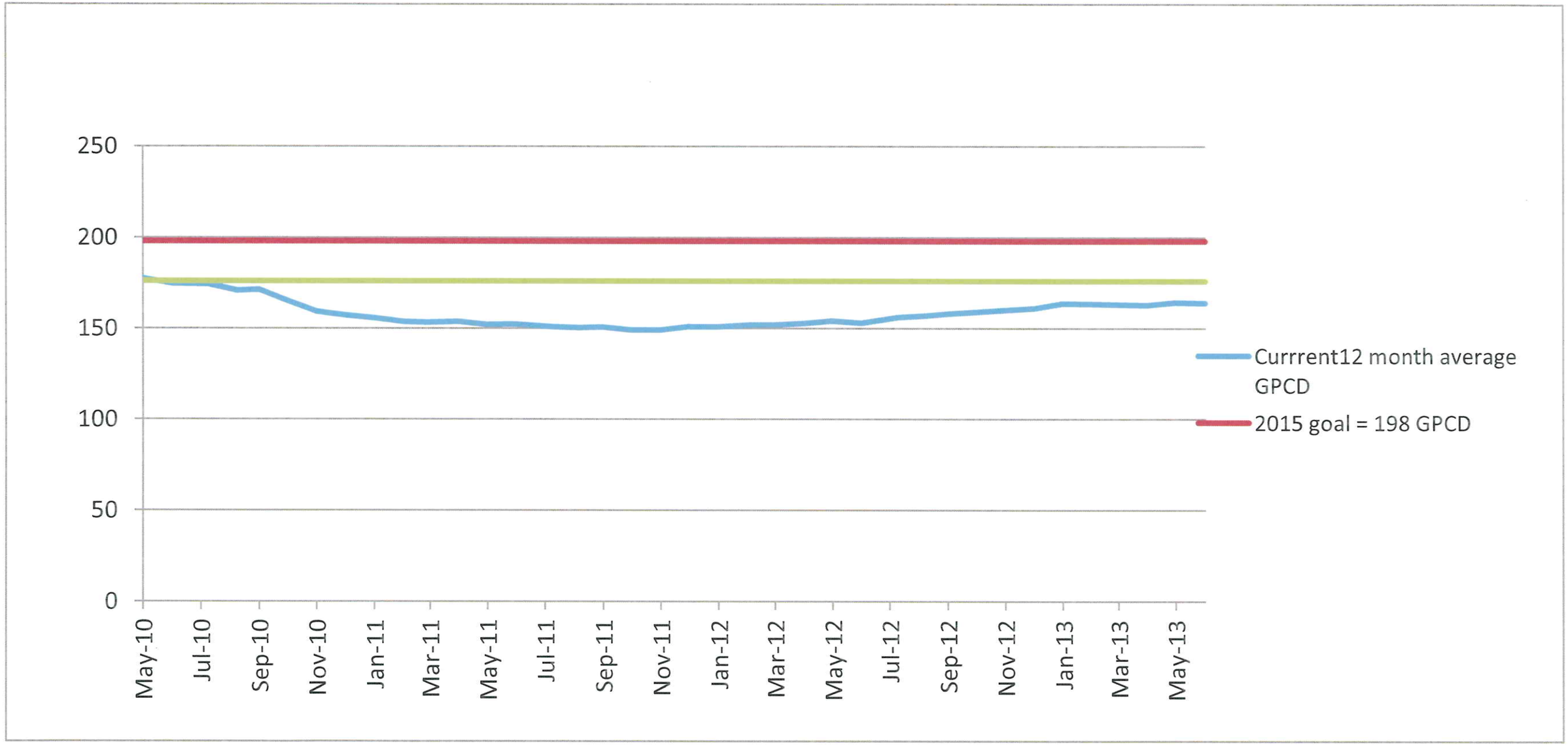
Month	Five-Year Aver. Production (ac.-ft.)	Projected 2013 Production (ac.-ft.)	Actual 2013 Production (ac.-ft.)	Difference (Act. - Pred.) (ac.-ft.)	
Jan.	1082.4	1,217.8	**1,076.7**	**-141.2**	
Feb.	990.3	1,036.3	**1,001.2**	**-35.1**	
March	1336.7	1,164.9	**1,481.1**	**316.2**	
April	1633.2	1,646.4	**1,686.0**	**39.6**	
May	2134.5	2,207.1	**2,042.1**	**-165.0**	
June	2362.4	2,434.8	**2,378.8**	**-56.0**	
July	2696.4	2,736.8	**0.0**	**0.0**	
Aug.	2717.7	2,763.3	**0.0**	**0.0**	
Sept.	2344.3	2,512.8	**0.0**	**0.0**	
Oct.	1910.8	2,241.9	**0.0**	**0.0**	
Nov.	1399.4	1,652.2	**0.0**	**0.0**	
Dec.	1078.2	1,385.6	**0.0**	**0.0**	
	21,686.3	9,707.3	**9,665.9**	**-41.5**	**-0.4%**
		23,000.0			
	2008 thru 2012				

2013
PWD PRODUCTION & CUSTOMER WATER USE



2013
PWD PRODUCTION & CUSTOMER WATER USE




250
200
150
100
50
0
May-10
Jul-10
Sep-10
Nov-10
Jan-11
Mar-11
May-11
Jul-11
Sep-11
Nov-11
Jan-12
Mar-12
May-12
Jul-12
Sep-12
Nov-12
Jan-13
Mar-13
May-13
Currrent12 month average GPCD
2015 goal = 198 GPCD

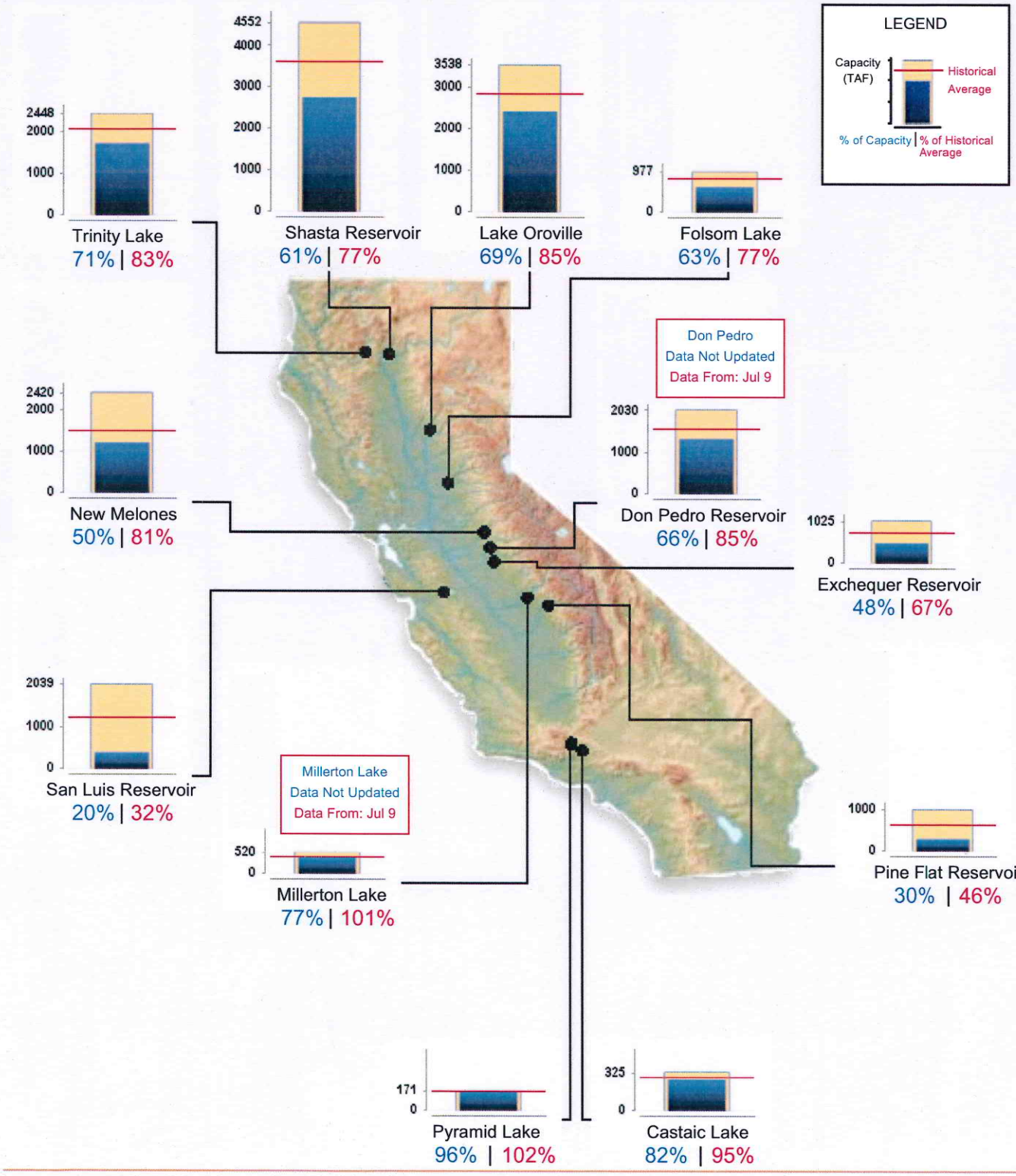
2013 Water Production Plan @ 35% Allocation

Month	Raw Surface Water Sources							Water Production						Metered Water	
	Surface			Water		Evaporation	Total	WTP		Groundwater		Total			
	Carry Over (ac-ft) *	Banking & Exchange (ac-ft) from CO *	Butte (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)
January	**522.5**	***0.0***	**0.0**	**0.0**	**0.0**	**0.00**	**522.50**	680.0	**534.5**	545.0	**542.2**	1,225.0	**1,076.7**	1,000.0	**944**
February	**707.5**	**0.0**	**0.0**	**0.0**	**0.0**	**0.00**	**707.50**	694.0	**697.6**	345.0	**303.7**	1,039.0	**1,001.3**	1,050.0	**918**
March	**1165.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.00**	**1165.00**	700.0	**1077.9**	460.0	**403.1**	1,160.0	**1,481.0**	1,100.0	**961**
April	**0.0**	**0.0**	**660**	619.6	**0.0**	-75.00	**1204.60**	824.0	**1111.8**	1,050.0	**574.2**	1,874.0	**1,686.0**	1,200.0	**1,344**
May	**0.0**	**0.0**	**1326.2**	**0.0**	**39.5**	-50.00	**1315.70**	850.0	**1118.1**	910.0	**924.0**	1,760.0	**2,042.1**	1,450.0	**1,650**
June	**0.0**	**0.0**	**734.9**	**0.0**	**963.9**	-135.00	**1563.80**	1,200.0	**1305.5**	990.0	**1073.3**	2,190.0	**2,378.8**	2,100.0	**1,967**
July	0.0	0.0	510	0.0	800.0	-285.00	1025.00	1,300.0	0.0	960.0	0.0	2,260.0	0.0	2,250.0	0
August	0.0	0.0	515	0.0	1080.0	-270.00	1325.00	1,550.0	0.0	1,050.0	0.0	2,600.0	0.0	2,400.0	0
September	0.0	0.0	0.0	1700.0	600.0	-210.00	2090.00	1,980.0	0.0	990.0	0.0	2,970.0	0.0	2,350.0	0
October	0.0	0.0	0.0	1516.0	0.0	-136.00	1380.00	1,200.0	0.0	850.0	0.0	2,050.0	0.0	2,000.0	0
November	0.0	0.0	0.0	1172.0	0.0	-50.00	1122.00	1,072.0	0.0	750.0	0.0	1,822.0	0.0	1,650.0	0
December	0.0	0.0	0.0	842.0	0.0	-39.00	803.00	750.0	0.0	600.0	0.0	1,350.0	0.0	1,450.0	0
	2,395.00	**0.0**	**2721.1**	5,849.6	**1,003.4**	**(1,250.00)**	**6,479.10**	**4,948.0**	**5,845.3**	**4,300.0**	**3,820.50**	**9,248.0**	**9,665.8**	**7,900.0**	**7,784**
Allocated Total Use:	2,577.0	2,000.0	**3,500.0**	**7,455.0**	**3,500.0**	1,250.0	13,000.0	13,000.0	11,000.0	9,500.0	9,000.00	23,000.0	21,500.00	20,000.0	19,999.0
Actual C.O. from 2012*	3,304.0		510.0	5,850.0											
Remaining Allotment:	**182.0**	**2,000.0**	**268.9**	**1,605.4**	**2,496.6**	**0.0**	**6,520.9**	8,052.00	-5,154.7	5,200.0	-5,179.50	13,752.0	11,834.16	12,100.0	12,214.6
WK returned Nov/Dec 2012		2,500.0				1,467.5		13,916.0		7,542.0		22,500.0	21,459.0	17,800.0	19,258
Total:	0.0	0.0	3,500.0	7,455.0	0.0	-1,250.0									
AVAILABLE FOR CARRYOVER	**182.0**	**0.0**	**268.9**	**1,605.4**	**0.0**		1,874.3					3,424.0			

Reservoir Conditions

Ending At Midnight - July 10, 2013

CURRENT RESERVOIR CONDITIONS



Graph Updated 07/11/2013 08:15 AM