

Since 1918



# PALMDALE WATER DISTRICT

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

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## Board of Directors

ROBERT E. ALVARADO  
Division 1

JOE ESTES  
Division 2

GLORIA DIZMANG  
Division 3

KATHY MAC LAREN  
Division 4

VINCENT DINO  
Division 5

ALESHIRE & WYNDER  
Attorneys

July 16, 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, July 20, 2015***

***2:00 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 June 29, 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)
- 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)
- 5) Project updates.
  - 5.1) Status on drought. (Water & Energy Resources Director Pernula)
  - 5.2) Drought Management Task Force. (Water & Energy Resources Director Pernula)
  - 5.3) Littlerock Dam Sediment Removal Project. (Assistant General Manager Knudson)
  - 5.4) Palmdale Recycled Water Authority. (General Manager LaMoreaux)
  - 5.5) City of Palmdale's Upper Amargosa Recharge Project. (Assistant General Manager Knudson)
  - 5.6) Palmdale Regional Groundwater Recharge and Recovery Project. (Assistant General Manager Knudson)
- 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.



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DENNIS D. LaMOREAUX,  
General Manager

DDL/dd

## AGENDA ITEM NO. 4.2

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	1,399.8	1,966.9
July	2,250.0	2,104.6	0.0	
August	2,250.0	2,165.7	0.0	
September	2,150.0	2,219.2	0.0	
October	2,000.0	2,002.1	0.0	
November	1,750.0	1,588.3	0.0	
December	1,450.0	1,402.5	0.0	
Current AF	7,950.0	7,318	6,696.2	7,786.0
Total	19,800.0	18,800	6,696.2	

-8.4%

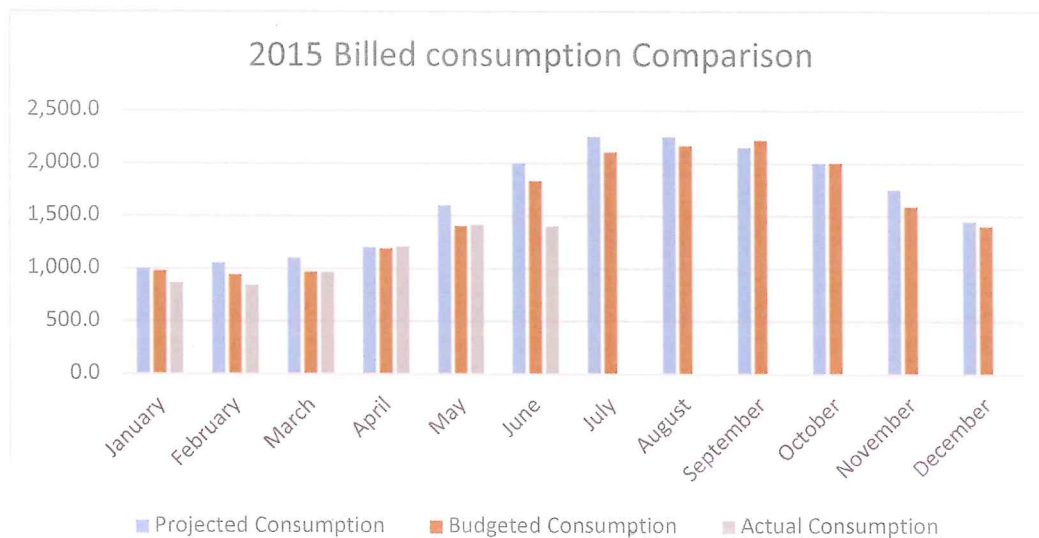
-8.4%

0.3%

-10.0%

-14.2%

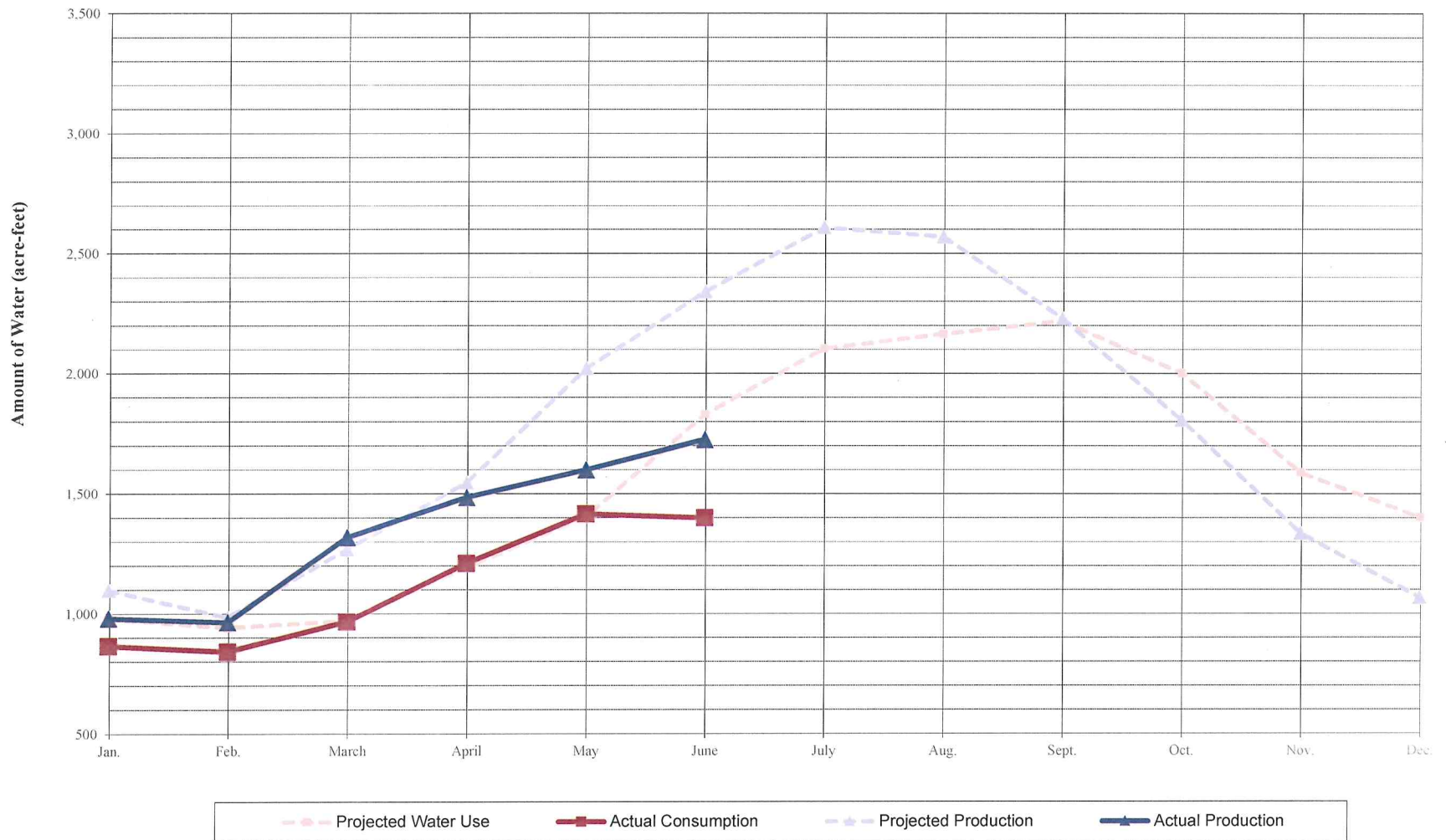
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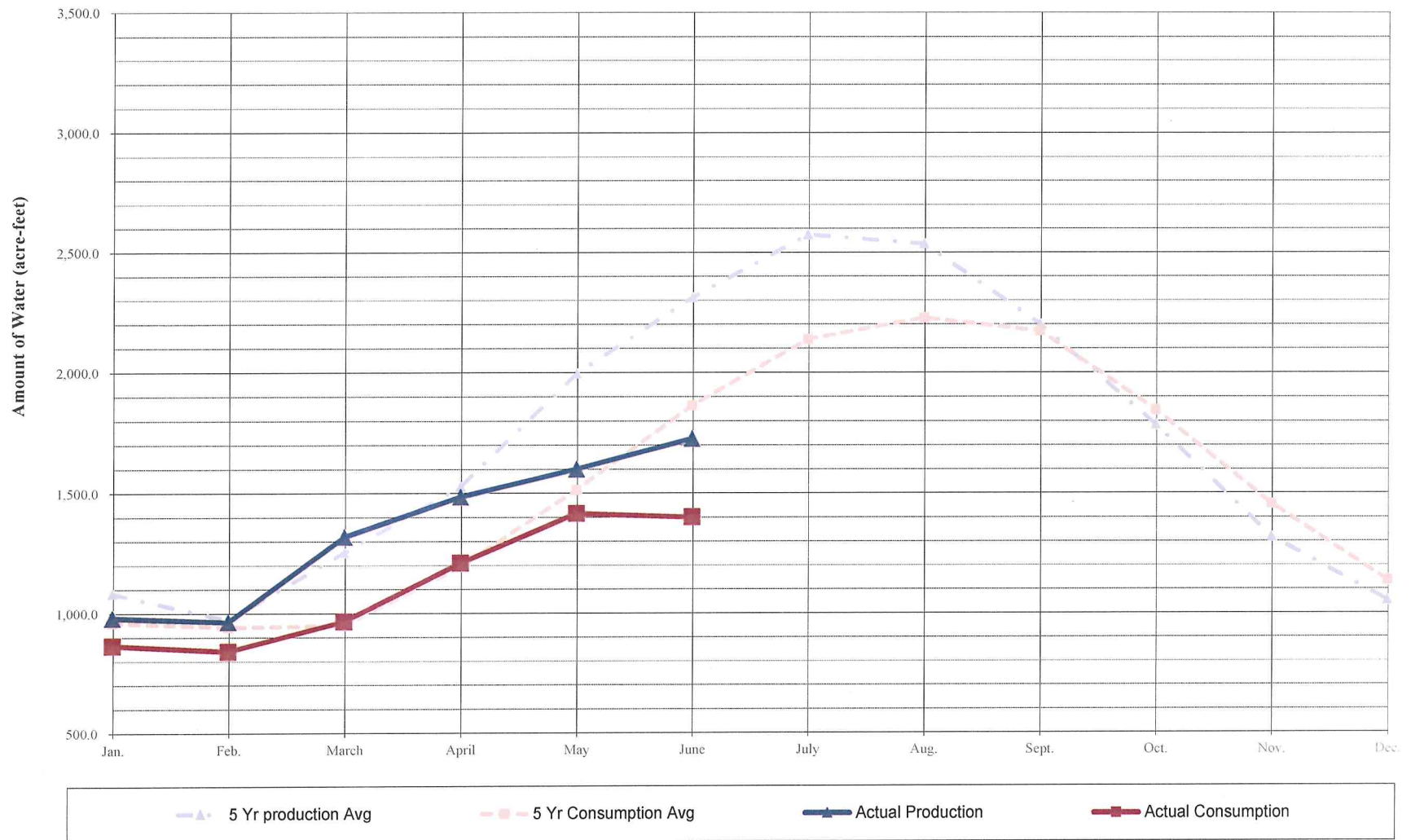
Month	Five-Year Aver. Consumption	Budgeted 2015 Consumption	Actual 2015 Consumption	Difference (Act. - Pred.)
	(ac.-ft.)	(ac.-ft.)	(ac.-ft.)	(ac.-ft.)
Jan.	960.5	979	865.0	(114.0)
Feb.	942.5	941	841.2	(99.8)
March	948.3	970	965.5	(4.5)
April	1193.4	1,192	1,209.3	17.8
May	1514.7	1,405	1,415.4	10.4
June	1863.8	1,831	1,399.8	(430.9)
July	2138.0	2,105		
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	7,317	6,696.2	-621.0
	18,401	18,800		-8.5%

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		
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	9,261	8,070.1	-1,191.3
	20,610	20,878		-12.9%

**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	0.0	0.0	0.0	0.00%	0.00%
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%

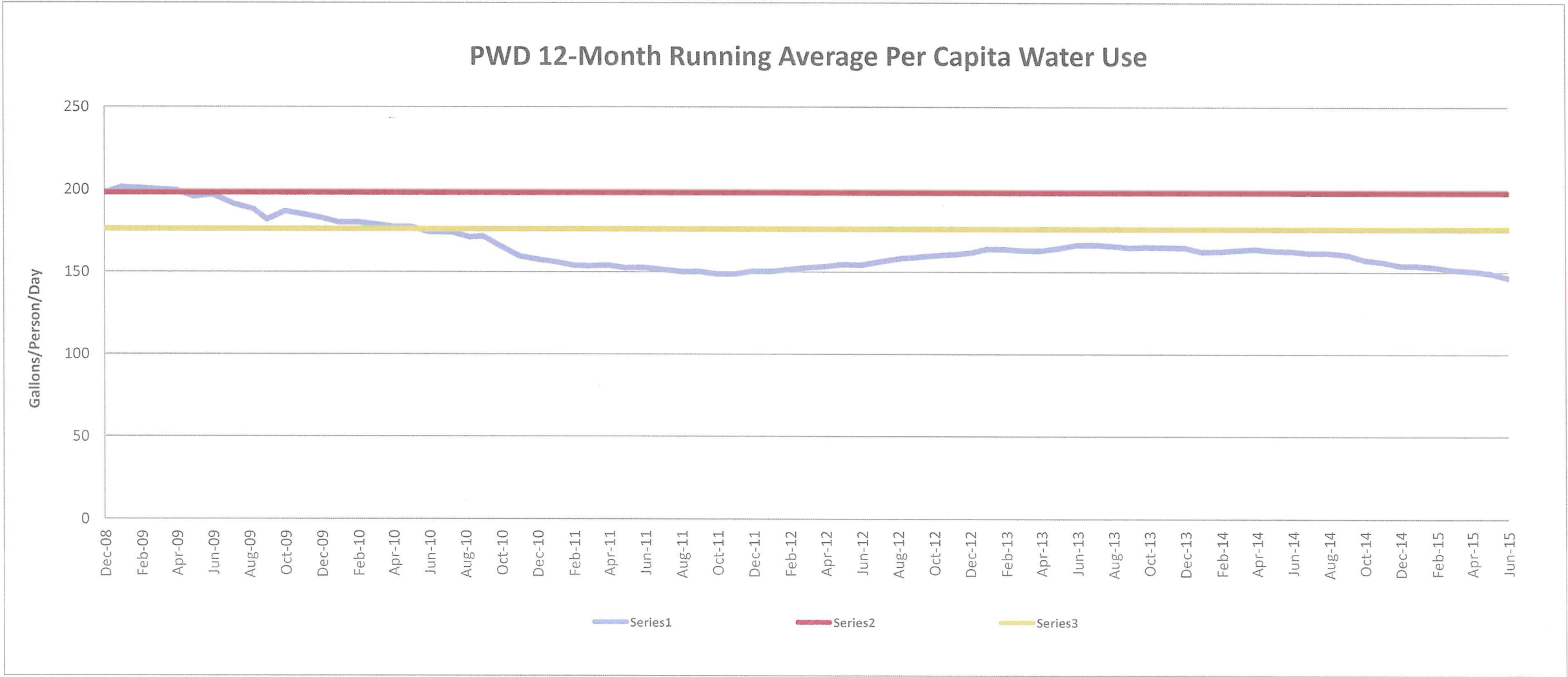
2015 Running Averages	SW	GW
January	0.00%	100.00%
Jan. thru February	12.58%	87.42%
Jan. thru March	12.88%	87.12%
Jan. thru April	20.52%	79.48%
Jan. thru May	23.94%	76.06%
Jan. thru June	26.59%	73.40%
Jan. thru July	22.79%	0.00%
Jan. thru August	19.95%	0.00%
Jan. thru September	17.73%	0.00%
Jan. thru October	15.96%	0.00%
Jan. thru November	14.51%	0.00%
Jan. thru December	13.30%	0.00%

## 2015 SW GW Comparison by AF





PWD 12-Month Running Average Per Capita Water Use



## 2015 Water Production Plan @20% Allocation

Month	Raw Surface Water Sources								Water Production						Metered	
	Surface				Water		Evaporation	Total	WTP		Groundwater		Total		Water	
	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)
January	0.0	0.0	0.0	0.0	998.0	0.0	0.00	998.00	0.0	0.0	1,000.0	980.4	1,000.0	980.4	1,000.0	865.0
February	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	350.0	242.6	625.0	721.5	975.0	964.1	1,050.0	841.2
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
April	0.0	0.0	400	0.0	669.5	381.4	-100.00	1350.90	1,000.0	644.6	550.0	839.4	1,550.0	1,483.9	1,200.0	1,209.3
May	0.0	0.0	475	0.0	300.0	0.0	-176.00	599.00	600.0	601.7	910.0	997.3	1,510.0	1,599.0	1,600.0	1,415.4
June	0.0	734.0	0.0	0.0	0.0	0.0	-188.00	546.00	1,300.0	687.6	990.0	1037.6	2,290.0	1,725.2	2,000.0	1,399.8
July	0.0	0.0	100	0.0	1000.0	0.0	-80.00	1020.00	1,100.0	0.0	960.0	0.0	2,060.0	2,060.0	2,250.0	0.0
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
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
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
November	116.0	221.0	0.0	390.0	0.0	0.0	0.00	506.00	800.0	0.0	950.0	0.0	1,450.0	1,450.0	1,750.0	0.0
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
	500.0	3205.0	875.0	500.0	1967.5	571.9	(769.00)	3,053.44	4,000.0	2,353.9	4,535.0	5,716.1	8,535.0	8,070.0	7,950.0	6,696
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	975.0	0.0	4,652.5	2,007.9	-1,250.0	8,600.4	9,050.0		10,095.0		18,921.0			
Remaining Allotment:	0	-734.0	254.0	500.0	2,292.5	428.1	81.0	3,985.6	4,921.0	8,946.1	5,465.0	4,283.9	12,765.0	13,229.98	11,850.0	12,103.8
					4,652.5		0.0									
Total:		0.0	0.0	2,500.0	0.0	0.0	-1,250.0									
UNUSED TO DATE	0.0	-734.0	254.0	500.0	2,292.5	0.0		3,046.5	0.0		1,000.0		1,000.0		1,000.0	
Planned Available for Carryover	3,047															