

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

June 25, 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, June 29, 2015***

***3:00 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.

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 May 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) 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) Presentations:
  - 7.1) Urban Water Management Planning. (Mary Lou Cotton, Kennedy-Jenks Consultants/Water & Energy Resources Director Pernula)
- 8) Board members' requests for future agenda items.
- 9) Adjournment.

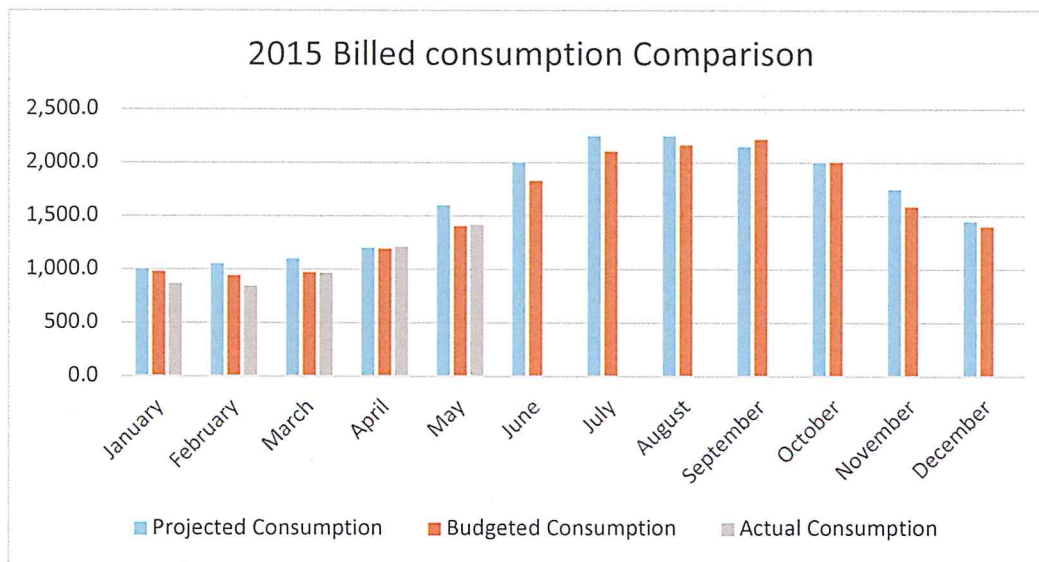


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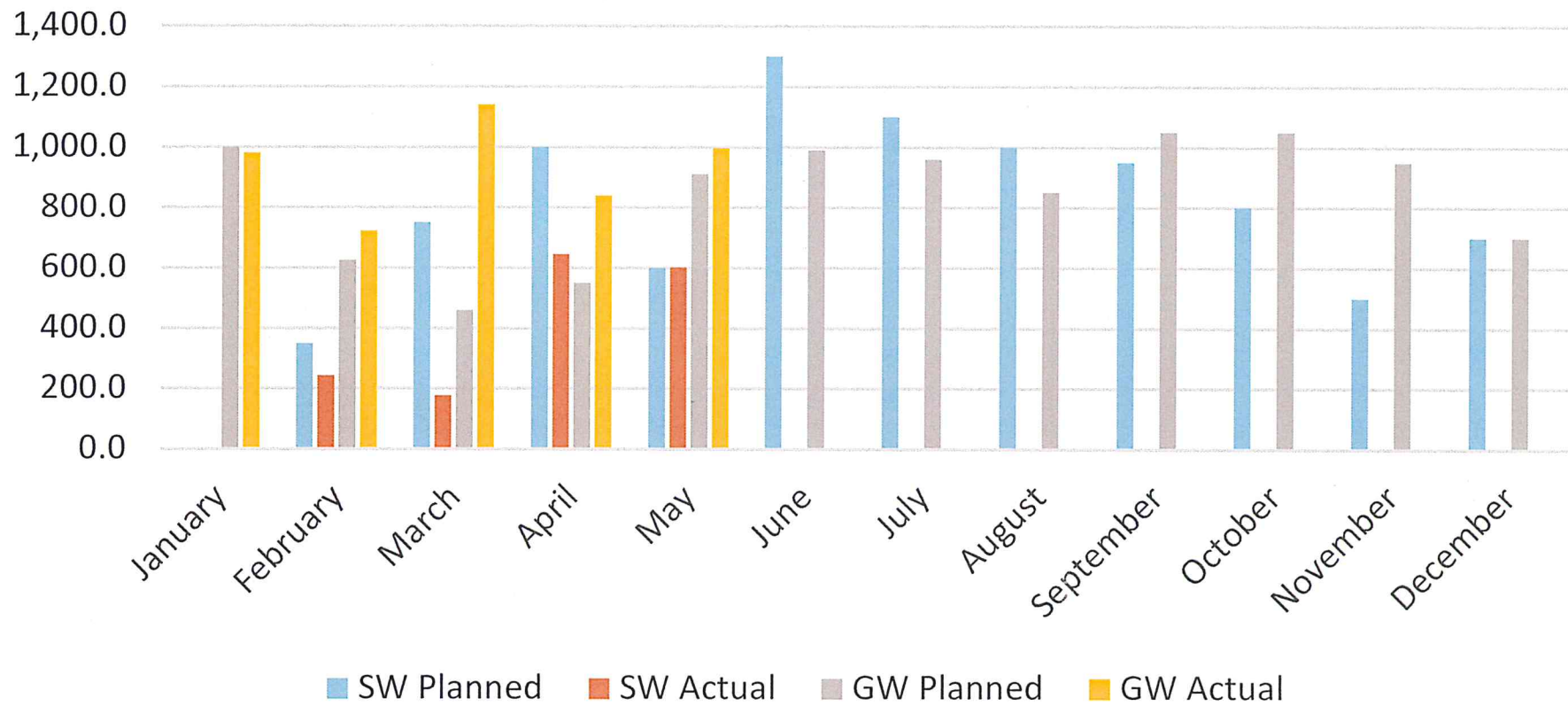
DENNIS D. LaMOREAUX,  
General Manager

## 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	0.0	
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	
<b>Current AF</b>	<b>5,950.0</b>	<b>5,487</b>	<b>5,296.4</b>	<b>5,819.1</b>
<b>Total</b>	<b>19,800.0</b>	<b>18,800</b>	<b>5,296.4</b>	



## 2015 SW GW Comparison by AF

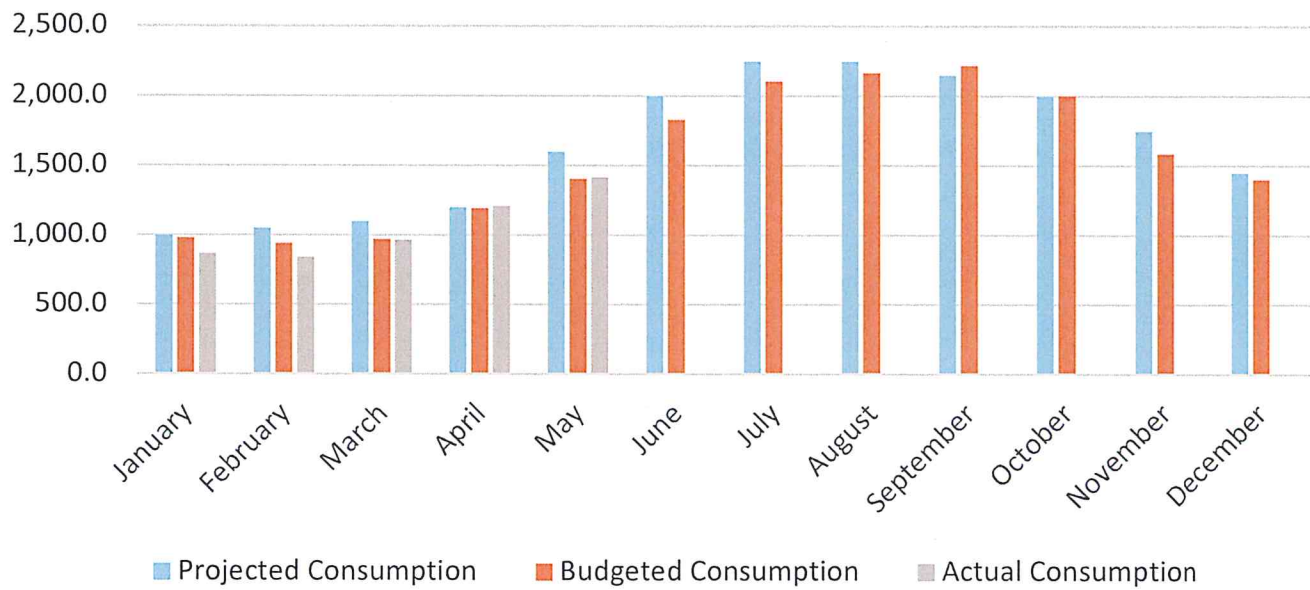


## 2015

MONTHLY TOTALS					
MONTH	TOTAL af	SW af	SW 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	0.0	0.0	0.0	0.00%	0.00%
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%

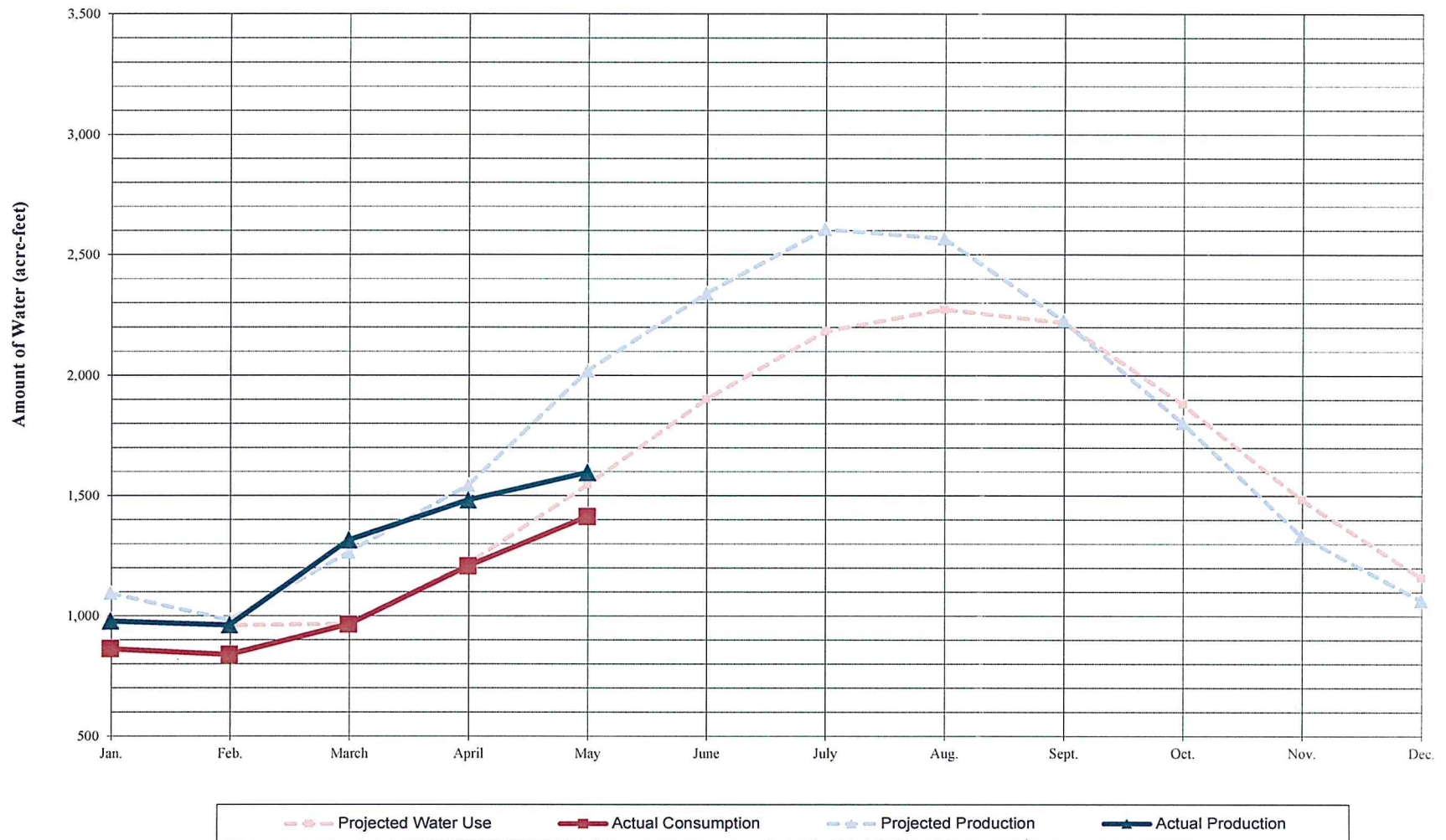
2015 Running Averages	SW	GW
January	0.00%	100.00%
Jan. thru February	12.58%	87.42%
Jan. thru March	12.88%	87.12%
Jan. thru April	20.52%	79.48%
Jan. thru May	23.94%	76.06%
Jan. thru June	19.95%	0.00%
Jan. thru July	17.10%	0.00%
Jan. thru August	14.96%	0.00%
Jan. thru September	13.30%	0.00%
Jan. thru October	11.97%	0.00%
Jan. thru November	10.88%	0.00%
Jan. thru December	9.98%	0.00%

## 2015 Billed consumption Comparison

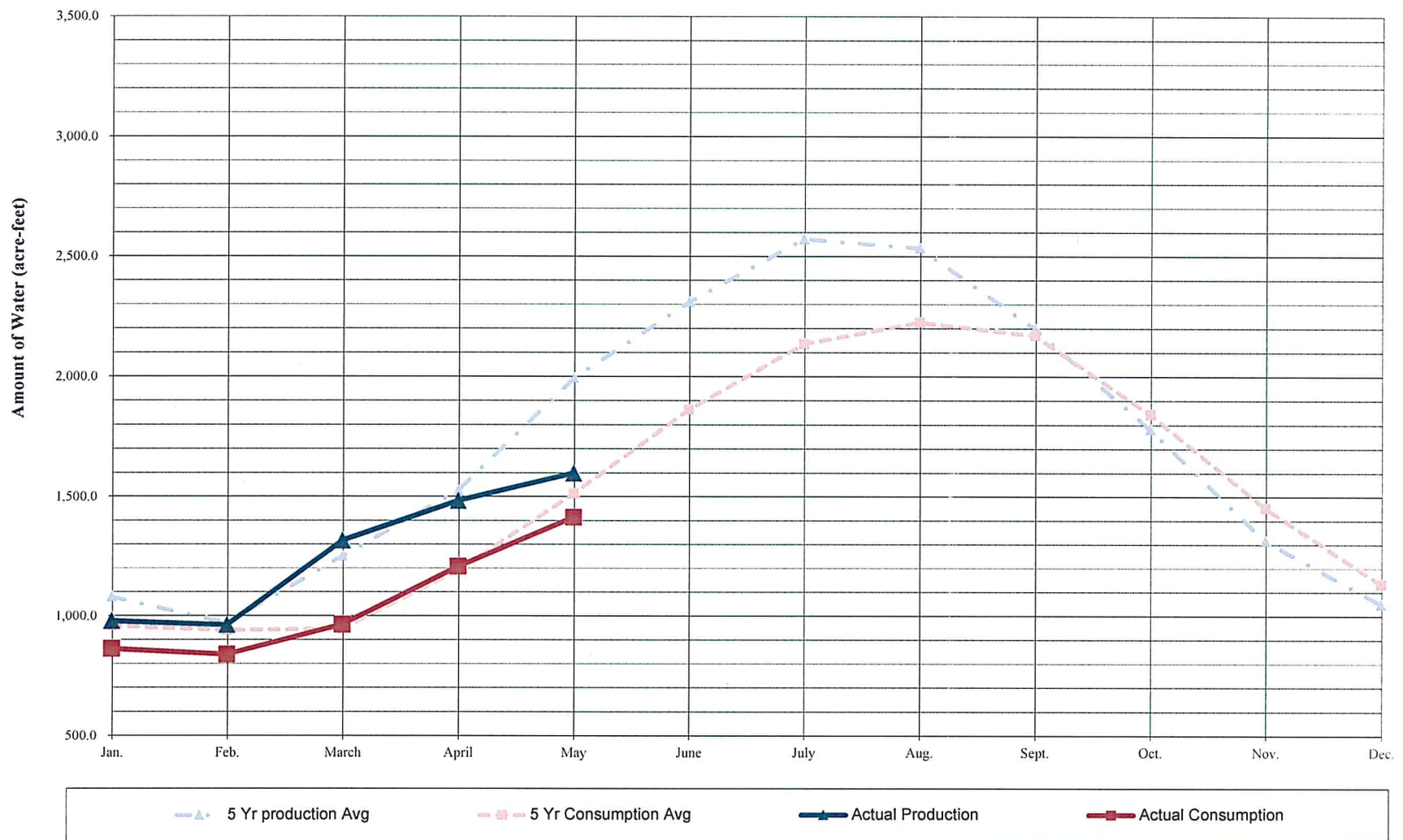




**2015**  
**PWD PRODUCTION & CUSTOMER WATER USE - Actual vs. Budgeted**



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





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	981	865.0	(116.3)
Feb.	942.5	963	841.2	(121.7)
March	948.3	969	965.5	(3.4)
April	1193.4	1,219	1,209.3	(10.0)
May	1514.7	1,548	1,415.4	(132.1)
June	1863.8	1,904		
July	2138.0	2,184		
Aug.	2227.6	2,276		
Sept.	2174.0	2,221		
Oct.	1845.4	1,885		
Nov.	1455.2	1,487		
Dec.	1137.5	1,162		
	18,401	5,680	5,296.4	-383.6
	18,401	18,800		-6.8%

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		
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	6,920	6,344.9	-575.1
	20,610	20,878		-8.3%

2015 Water Production Plan @20% Allocation

	Raw Surface Water Sources								Water Production						Metered		
Month	Surface				Water		Evaporation		Total	WTP		Groundwater		Total		Water	
	YUBA	AVWB	BUTTE	DRY YR-MYWP	PWD/SWP	LrD	Plan	Plan	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	
	ACCORD	(ac-ft)	(ac-ft) fromTA *	(ac-ft)	(ac-ft)	(ac-ft)	(ac-ft)	(ac-ft)	(ac-ft)	(ac-ft)	(ac-ft)	(ac-ft)	(ac-ft)	(ac-ft)	(ac-ft)	(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	0.0	360	500.0	600.0	0.0	-157.00	1303.00	1,300.0	0.0	990.0	0.0	2,290.0	2,290.0	2,000.0	0.0	
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	500.0	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	2471.0	875.0	1000.0	1967.5	571.9	(738.00)	3,053.44	2,700.0	1,666.3	3,545.0	4,678.5	6,245.0	6,344.8	5,950.0	5,296	
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	1,335.0	500.0	5,252.5	2,007.9	-1,250.0	9,357.4	9,050.0		10,095.0		18,921.0				
Remaining Allotment:	0	0.0	254.0	0.0	2,292.5	428.1	112.0	3,985.6	6,221.0	9,633.7	6,455.0	5,321.5	15,055.0	14,955.18	13,850.0	13,503.6	
				5,252.5			0.0		-		-		-	-	-	-	
Total:		0.0	0.0	2,500.0	0.0	0.0	-1,250.0										
UNUSED TO DATE	0.0	0.0	254.0	0.0	2,292.5	0.0		2,546.5	0.0		1,000.0		1,000.0		1,000.0		
Planned Available for Carryover	2,547																

Calculated

Lk Elev.

2811.34

2810.28

2810.24

2811.73

2811.30

2811.31

2810.96

2811.07

2811.07

2811.07

2811.10

2811.10