

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

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JOE ESTES

Division 2

GLORIA DIZMANG

Division 3

KATHY MAC LAREN

Division 4

VINCENT DINO

Division 5

ALESHIRE & WYNDER  
Attorneys

September 10, 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, September 14, 2015***

***10:30 a.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 August 24, 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) Consideration and possible action on selection of consultant for preparation of 2015 Urban Water Management Plan. (\$40,000.00 – Budgeted – Water & Energy Resources Director Pernula)
- 5) Project updates.
  - 5.1) Drought Management Task Force and status as of August 31, 2015. (Water & Energy Resources Director Pernula)
    - a) Summary of enforcement actions. (PIO/Conservation Director McNutt)
  - 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)
- 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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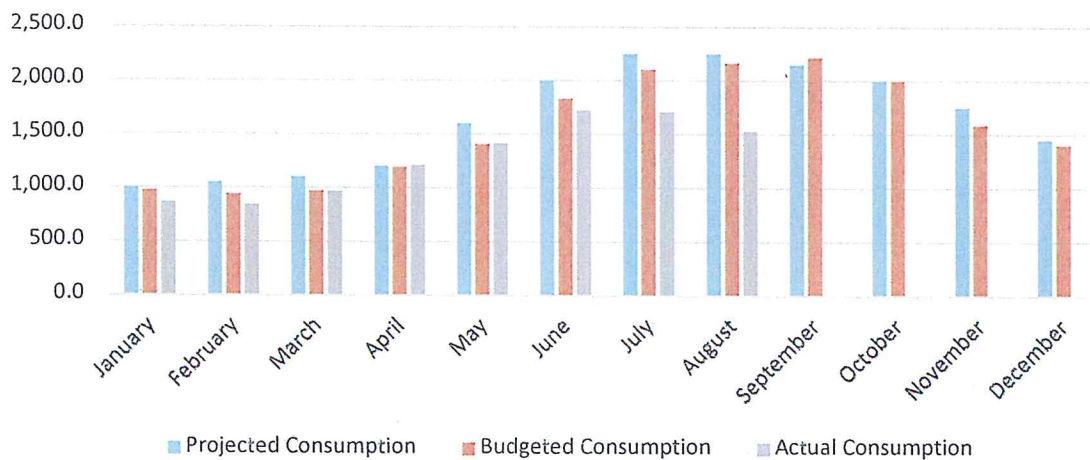
MATTHEW R. KNUDSON,  
Assistant General Manager

DDL/MRK/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	1,725.2	2,378.8
July	2,250.0	2,104.6	1,710.8	2,645.7
August	2,250.0	2,165.7	1,529.4	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
<b>Current AF</b>	<b>12,450.0</b>	<b>11,588</b>	<b>10,261.8</b>	<b>13,480.6</b>
<b>Total</b>	<b>19,800.0</b>	<b>18,800</b>	<b>10,261.8</b>	

2015 Billed consumption Comparison



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	1,399.8	(504.5)
July	2138.0	2,184	1,560.6	(623.8)
Aug.	2227.6	2,276	1,529.4	(746.5)
Sept.	2174.0	2,221		
Oct.	1845.4	1,885		
Nov.	1455.2	1,487		
Dec.	1137.5	1,162		
	11,789	12,045	9,786.3	-2,258.3
	18,401	18,800		-18.7%

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	1,710.9	(897.1)
Aug.	2,536.5	2,569.5	1,973.3	(596.2)
Sept.	2,200.4	2,229.0		
Oct.	1,784.0	1,807.2		
Nov.	1,318.1	1,335.2		
Dec.	1,057.1	1,070.8		
	14,254	14,439	11,754.3	-2,684.6
	20,613	20,881		-18.6%

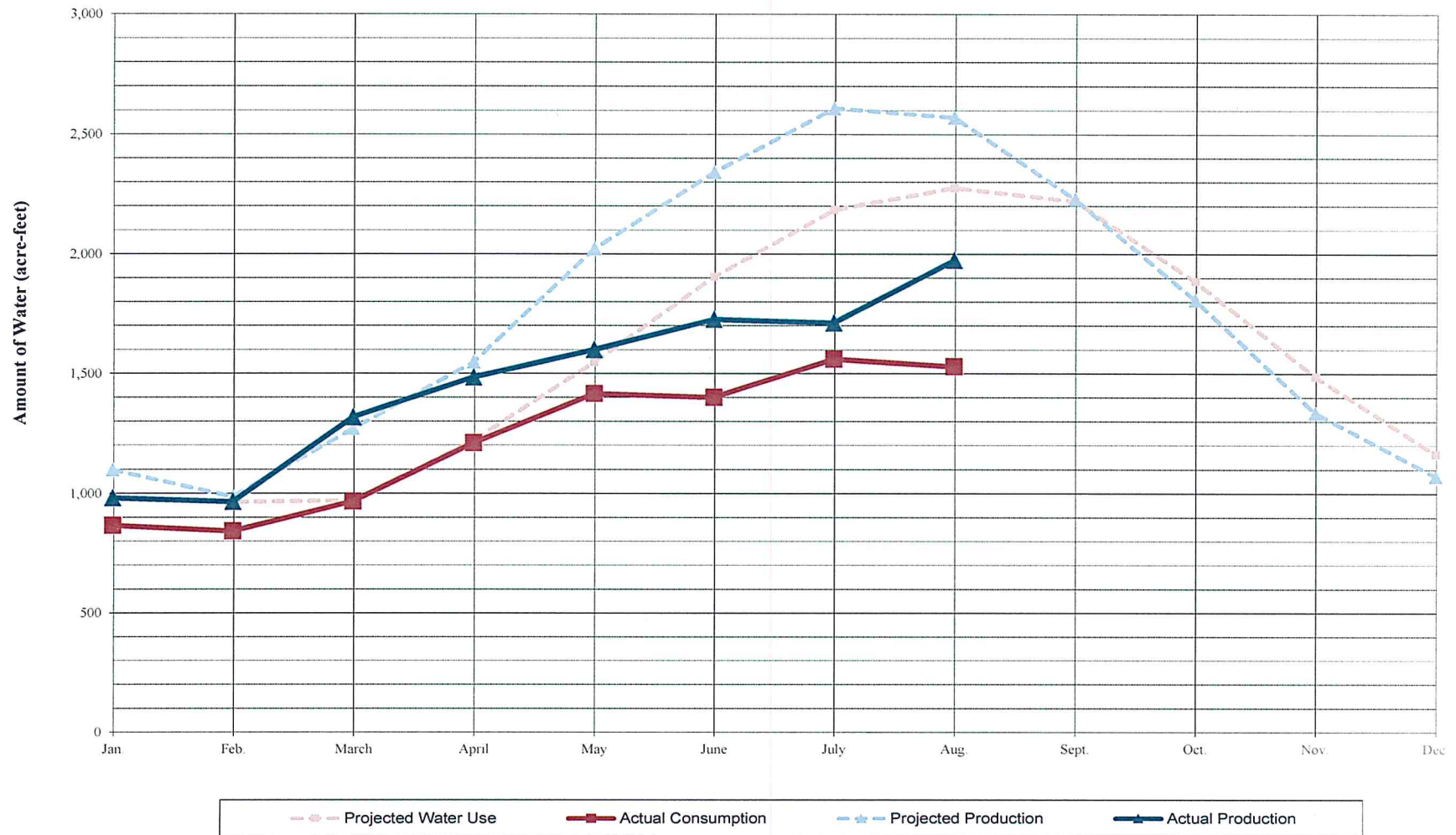
Month	5 yr avg '10 - '14		Amount over 5 yr avg	
	Production (ac.-ft.)	Consumption (ac.-ft.)	Production (ac.-ft.)	Consumption (ac.-ft.)
Jan.	1,083.2	960.5	(102.8)	(95.5)
Feb.	972.3	942.5	(8.2)	(101.2)
March	1,252.0	948.3	65.5	17.2
April	1,527.4	1,193.4	(43.5)	15.9
May	1,996.3	1,514.7	(397.3)	(99.3)
June	2,311.4	1,863.8	(586.2)	(464.0)
July	2,574.6	2,138.0	(863.7)	(577.4)
Aug.	2,536.5	2,227.6	(563.2)	(698.2)
Sept.	2,200.4	2,174.0		
Oct.	1,784.0	1,845.4		
Nov.	1,318.1	1,455.2		
Dec.	1,057.1	1,137.5		
Totals:	20,613.2	18,400.8	(2,499.3)	(2,002.5)

## PWD PRODUCTION & CUSTOMER WATER USE - 2015 vs. 2013





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

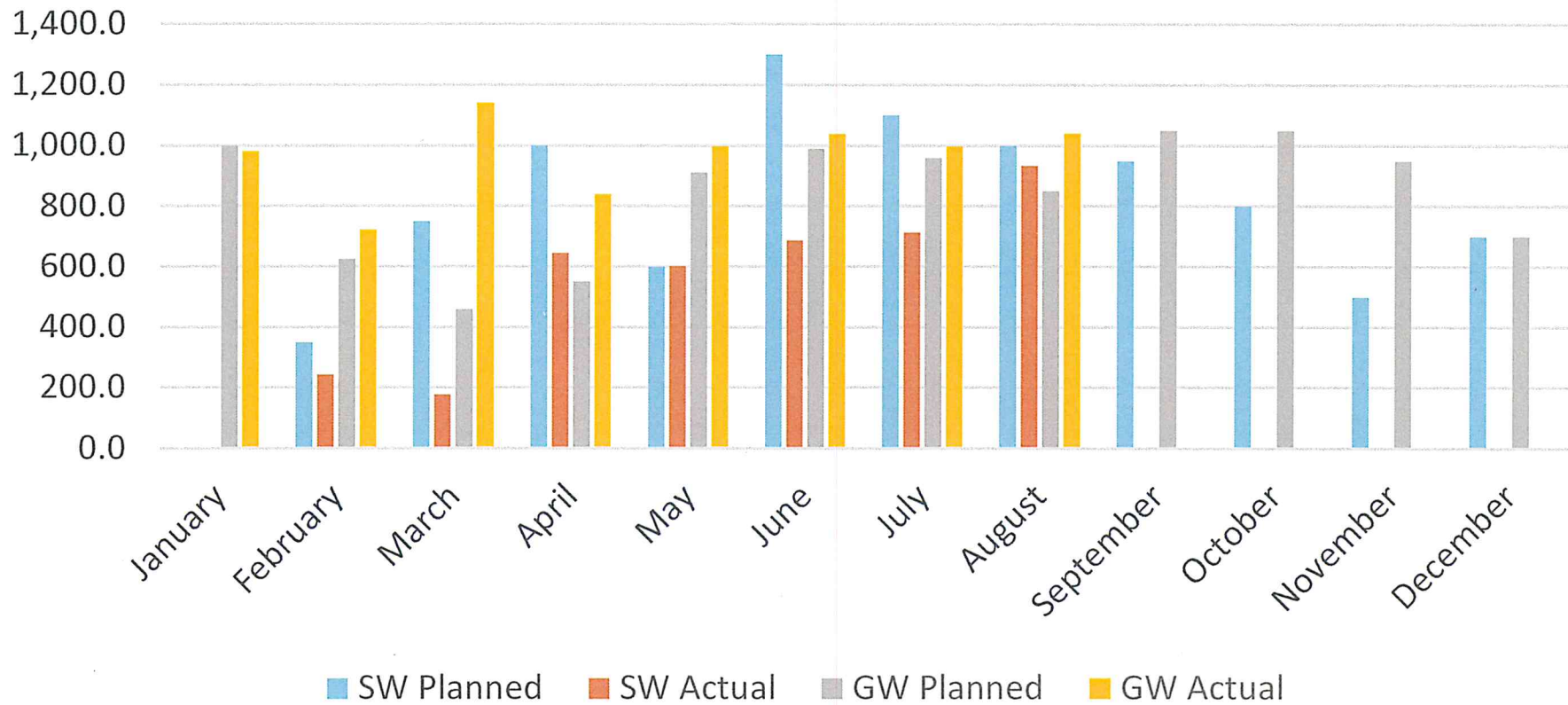


## 2015

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	1,973.3	934.7	1038.7	47.36%	52.64%
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%

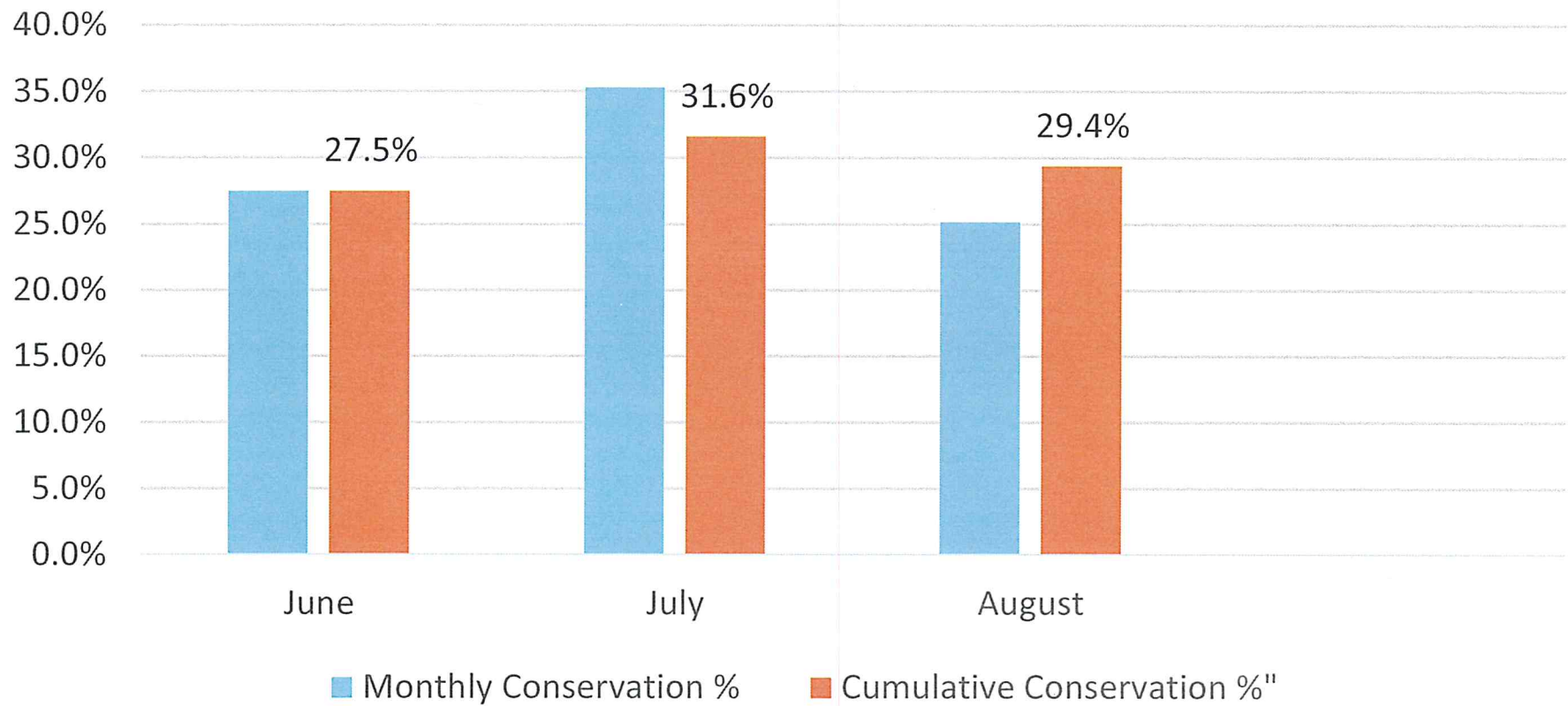
2015 Running Averages	SW	GW
January	0.00%	100.00%
Jan. thru February	12.58%	87.42%
Jan. thru March	12.88%	87.12%
Jan. thru April	20.52%	79.48%
Jan. thru May	23.94%	76.06%
Jan. thru June	26.59%	73.40%
Jan. thru July	28.75%	71.25%
Jan. thru August	31.07%	68.92%
Jan. thru September	27.62%	0.00%
Jan. thru October	24.86%	0.00%
Jan. thru November	22.60%	0.00%
Jan. thru December	20.72%	0.00%

## 2015 SW GW Comparison by AF

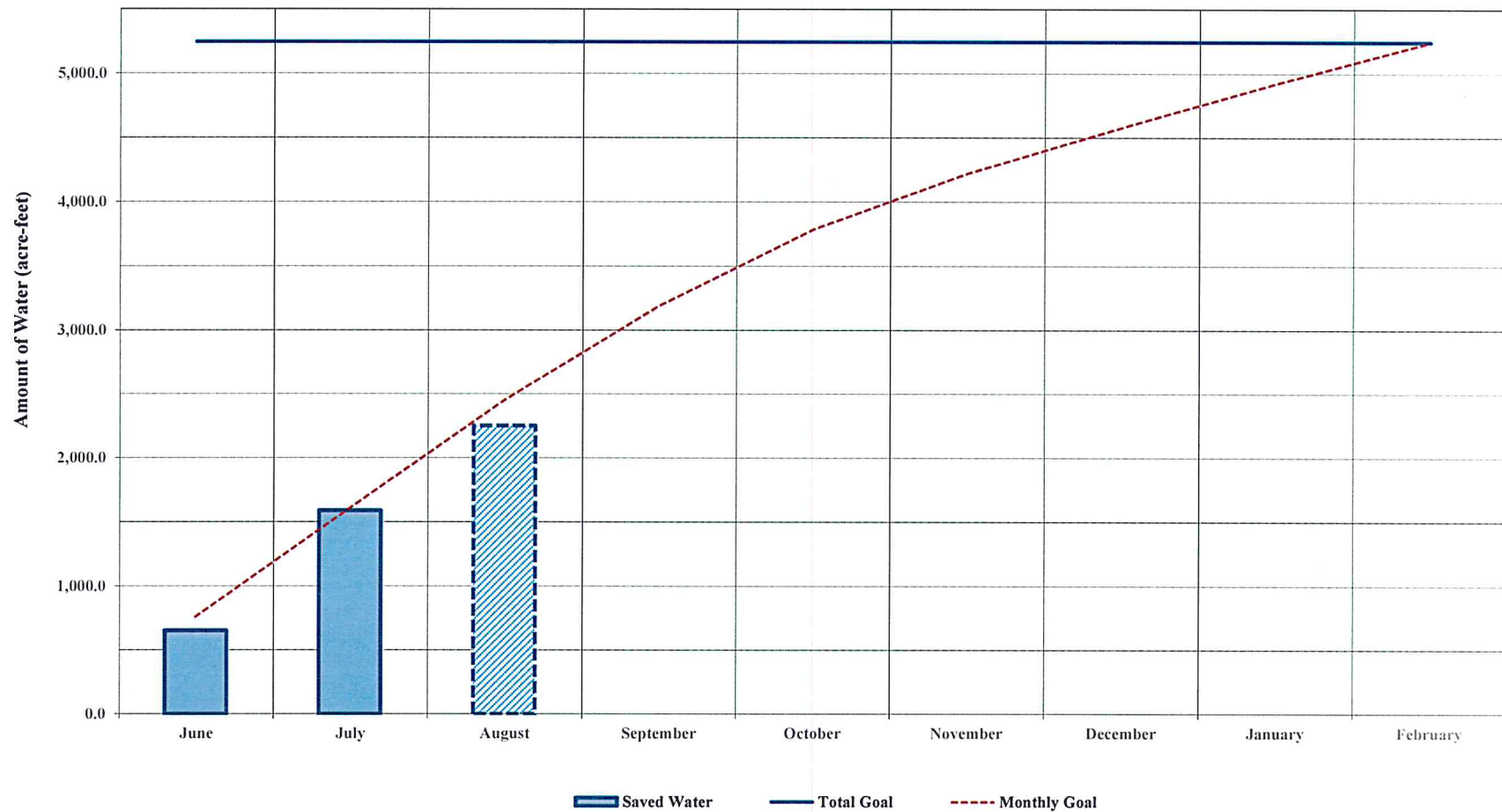




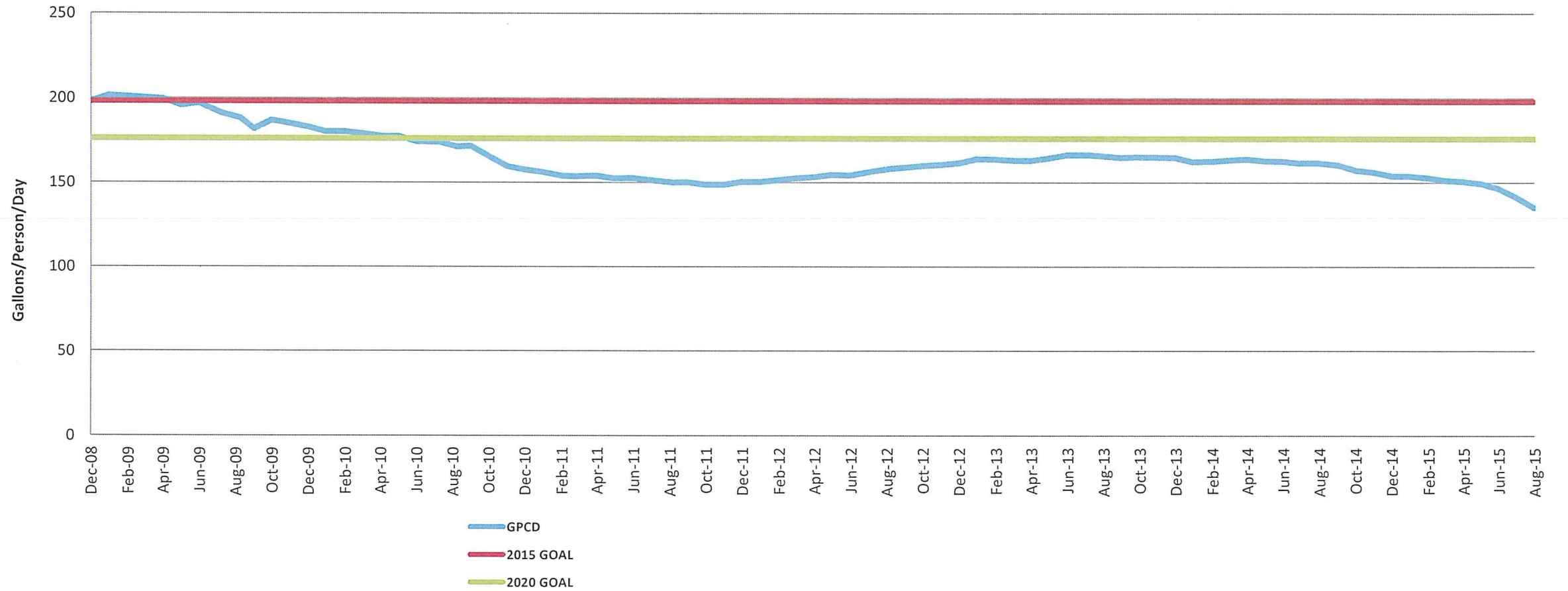
## SWRCB 32% Reduction Goal



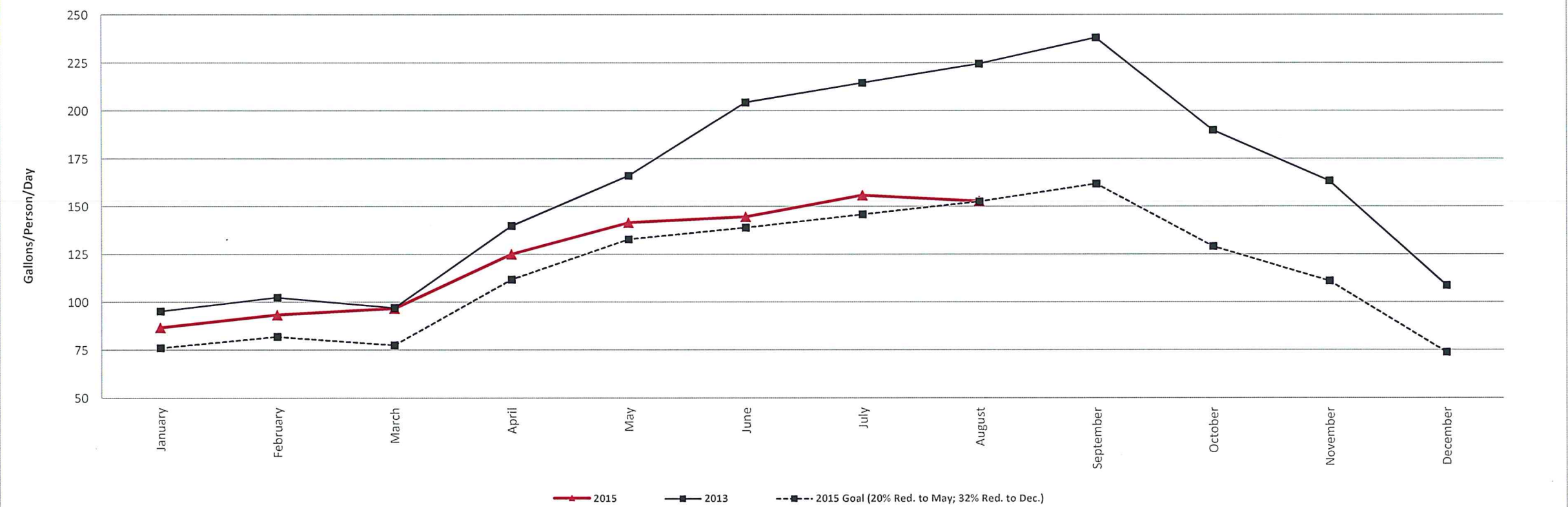
## PWD SWRCB Emergency Order Water Production Reduction Status (2015-2016)



PWD 12-Month Running Average Per Capita Water Use



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							
	Surface				Water		Evaporation		WTP		Groundwater		Total		Metered 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	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
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
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	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
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
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
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
August	0.0	849.6	0	0.0	0.0	0.0	-95.00	754.6	1,000.0	934.7	850.0	1038.7	1,850.0	1,973.3	2,250.0	1,529.4
September	0.0	650.0	0.0	0.0	285.0	730.0	-45.00	970.00	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	1307.0	730.0	526.0	1869.0	571.9	(814.00)	4,554.54	6,100.0	4,001.5	6,345.0	7,752.7	12,445.0	11,754.1	12,450.0	9,786
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	2,954.0	1,507.9	-1,250.0	7,530.5	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	2,484.5	2,821.0	7,298.5	3,655.0	2,247.3	8,855.0	9,545.86	7,350.0	9,013.8
					2,954.0		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	
Planned Available for Carryover									3,264							

Calculated  
Lk Elev.  
2811.33  
2810.27  
2810.24  
2811.39  
2811.14  
2810.48  
2810.53  
2809.72  
2809.81  
2809.81  
2809.83  
2809.83